



THE KNUTH MACHINE 2025

Reliable

Robust and durable under demanding conditions

Powerful

Maximum power for any challenge

Top Prices

Best quality and performance at a top price-performance ratio



From hardware dealers to leading suppliers of CNC and conventional machining technologies - customers worldwide now rely on KNUTH machines.

Visit our company headquarters in Wasbek! Here, you will find machines from all areas of metalworking. Our warehouse contains over 1000 machines, with many ready for demonstration.

Let us advise you! The KNUTH consulting team consists of experienced sales consultants and engineers from the metalworking industry who will help you find the perfect machine and solution for your company.

Our highly qualified service team ensures we can respond quickly to your needs. KNUTH technicians ensure the implementation of strict quality assurance, from the manufacturer to the delivery of the machine.

100 years of competence in metalworking

Read our story on www.knuth.com

**SERVICE WITHOUT COMPROMISE
WE ENSURE THAT YOUR
PRODUCTION RUNS
SMOOTHLY**

Our one-stop service by our qualified staff is fast and professional. A network of suppliers for spare and worn parts, plus our main warehouse at our headquarters in Wasbek, also guarantees

high availability.

All information on our service packages can be found on our website www.knuth.com

- Installation - Commissioning - Instruction
- Inspection and maintenance

- User and maintenance training
- Repair and spare parts



Dear Customers,

At KNUTH Werkzeugmaschinen, we focus on what sets us apart: High-quality machine tools that effortlessly meet the ever-increasing demands for productivity and functionality. Our optimized product range enables us to develop a proven series and offer more powerful and reliable machines.

Our goal? To provide you with the best solution for your manufacturing tasks. By concentrating on our core competencies, we can offer you better service and more efficient cooperation.

We are proud of our team of highly qualified engineers and technicians who use their expertise to support major customer projects from selection to installation and maintenance. With a network of service technicians, we are at your side for installation, commissioning, and maintenance. Our tailored training programs ensure your employees master new machines and technologies quickly and sustainably.

Put your trust in KNUTH - discover the future of manufacturing with KNUTH machine tools!

Your KNUTH team



www.knuth.com

FOR THE **BEST**
DECISIONS



RELIABLE SOURCE OF INFORMATION

As our products become more powerful and complex, decision makers need reliable, clear data and sources of information. Our website is our response to meet this growing demand for information.

- ✓ Overview of the complete KNUTH Machine Tool Program
- ✓ Complete Information at a Glance
- ✓ Up-to-Date News
- ✓ Additional Decision-Making Aids (Downloads, Videos)
- ✓ Clearly Structured Navigation

Online shop for tools and accessories



www.knuth.com

CNC Lathes



CNC Slant Bed Lathes

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CNC Flat Bed Lathes

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CNC Slant Bed Lathes

Roturn C Series

This machine of the ROTURN C series impresses with the classic virtues of a compact CNC production lathe. With its Siemens 828 D Basic control, it meets all the requirements for current control technology. The inclined bed machine with 8-station tool turret and powerful 15 kW (20 hp) main spindle motor has a hydraulic 3-jaw chuck with through-hole. The tailstock is equipped with a hydraulically operated quill and a large stroke.

- Powerful main spindle motor
- 8 station tool turret
- Includes chip conveyor
- Siemens 828 control
- Chuck with through-hole



STANDARD EQUIPMENT

Siemens 828 D control, Hydr. tailstock, Automatic central lubrication, Chain-type chip conveyor, Heat exchanger for electric control cabinet, Enclosed work space, LED work lamp, Coolant system, Compressed air gun, Coolant gun, Operating tools, Operator manual



Additional options available upon request.

TECHNICAL SPECS

Workpiece length (max.)	17 in
Turning diameter over bed	16 in
Speed range	50 - 2000 - 50 - 3000 rpm
Main motor rating	20 / 15 Hp
Weight	7348 - 7480 lbs



CNC Turning





TECHNICAL SPECS

Workpiece length (max.)	13 in
Travel Z-axis	14 - 15 in
Speed range	50 - 2000 - 50 - 3000 rpm
Main motor rating	15 / 11 Hp
Weight	8228 - 8272 lbs

CNC Slant Bed Lathes Roturn M Series

Compact CNC lathe with driven tools and tailstock

- Powerful main spindle motor
- High-resolution C-axis
- 12-station tool turret with driven tools
- Chip conveyor included
- Siemens 828 control



STANDARD EQUIPMENT

Siemens 828 D control, Hydraulic 3-jaw lathe chuck, Ø 200 mm with bore, Hydr. tailstock, Automatic central lubrication, Chain-type chip conveyor, Heat exchanger for electric control cabinet, Enclosed work space, LED work lamp, Coolant system, Compressed air gun, Coolant gun, Operating tools, Operator manual, 12-station tool changer with driven tools, 1 Driven tool holder, radial, 1 Driven tool holder, axial, Rod loader interface, measuring cycles (6FC5800-0AP28-0YB0)

Additional options available upon request.

CNC Flat Bed Lathes Forceturn Series

Precision flatbed lathe with Fagor control, 4-fold tool changer and electronic handwheels for manual operation

- Powerful main drive for heavy machining
- Servo-driven 4-station tool changer
- 2 electronic hand-wheels for manual operation
- Cycle programming for series production



STANDARD EQUIPMENT

Fagor 8055i FL-TC control, 2 electronic hand-wheels, 3-jaw chuck Ø 12", Automatic 3-step gears, 4-station servo tool holder, Coolant system, Central lubrication, Tailstock, Work lamp, Operating tools, Operating manual and programming instructions

Additional options available upon request.



TECHNICAL SPECS

Turning diameter over bed	26 - 32 in
Workpiece length (max.)	63 - 201 in
Speed range	20 - 1500 - 27 - 2250 rpm
Motor rating main drive	29.5 Hp
Weight	9020 - 17600 lbs



Roturn 402 M

KNUTH on YouTube Information to the point

You can find videos for most machines on our YouTube channel. We show the machines from current deliveries, and you get an impression of the handling, processing quality, and machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**

Services

Our qualified service team will gladly assist you with an installation and training for your new machine!
We put your machine into operation and instruct your employees - worldwide!

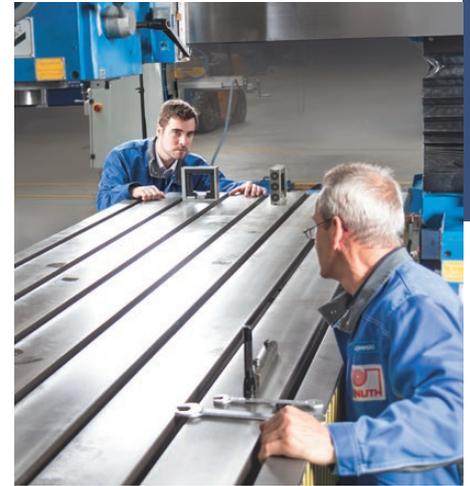
Assembly and Start-up Services

Start-up Package

- ✓ **Initial Setup**
Removing transportation locks, assembly of machine components, levelling of the machine tool
- ✓ **Machine Tool Commissioning**
Filling up operating fluids, conducting machine test run
- ✓ **Operator Training**
Training on all machine functions and maintenance

Add-ons

- ✓ **CNC Operator Training**
- ✓ **KNUTH-Protect - Machine Insurance**
- ✓ **First maintenance service**



Maintenance Services

With our preventive maintenance packages, we make sure your machine remains a reliable cornerstone of your production. In addition to the necessary service jobs according to the KNUTH maintenance schedule for the specific machine, our service technician will also provide you with a detailed service protocol containing a condition rating of your machine tool, results of the accuracy tests, and a proposal for further maintenance and repair jobs.

Conventional Machines

- ✓ **Testing of machine function**
- ✓ **Testing of safety features**
- ✓ **Geometric accuracy testing**
- ✓ **Checking all maintenance and wear points**
- ✓ **Service protocol**

CNC Machines

- ✓ **Testing of machine function**
- ✓ **Testing of safety features**
- ✓ **Geometric accuracy testing**
- ✓ **Checking all maintenance and wear points**
- ✓ **Control and software check-up**
- ✓ **Service protocol**

Cutting Machines

- ✓ **Testing of machine function**
- ✓ **Testing of safety features**
- ✓ **Geometric accuracy testing**
- ✓ **Checking all maintenance and wear points**
- ✓ **Control and software check-up**
- ✓ **Pump / laser source / plasma source check-up**
- ✓ **Service protocol**

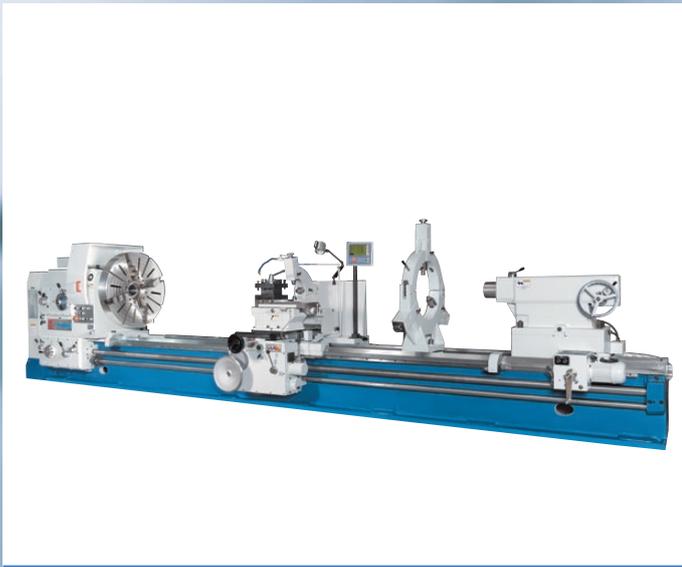
Spare Parts

In case of unforeseen emergency situations, you will always have a KNUTH Machine Service available. Our Spare Parts Department at our headquarters in Wasbek keeps more than 10,000 parts in stock at all times.

The KNUTH Service Help Desk is at your side with advice and solutions. They offer technical support by phone or upon agreement in person at your site. Just give us a call or send us an e-mail.



Conventional Lathes



Heavy-Duty Lathes

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NC Lathes

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Engine Lathes

from Page 8



Mechanics Lathes

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Conventional Horizontal Lathes DL E Heavy Series

With the machines of the DL E Heavy series, you can machine really large turning diameters and workpiece lengths. This lathe series is the solution for conventional machining of workpieces up to 315 in in length and over 63 in mm in diameter.

- Center widths up to 315 in
- Spindle bore of 5.12 in
- Powerful motor
- Rapid feed in X and Z directions
- Complete with assembled 3-axis position indicator



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Coolant system, LED work lamp, Center points, Reducing sleeve, Foundation bolts, Central lubrication, Operating tools, Operator instructions



Additional options available upon request.

TECHNICAL SPECS

Workpiece length (max.)	59 - 315 in
Turning diameter over bed	49 - 63 in
Turning-Ø over support	35 - 50 in
Motor rating main drive	29.5 Hp
Weight	21450 - 46244 lbs

KNUTH on YouTube Information to the point

Visit us on YouTube and experience our machines in operation before a test in our company.

Subscribe to our YouTube channel - Go to KNUTH Machine Tools!

Are you interested in a machine for which you cannot find a current video? Please feel free to contact us!



Conventional Turning



DL E Heavy

Conventional Horizontal Lathes DL S Series



TECHNICAL SPECS

Workpiece length (max.)	59 - 197 in
Turning diameter over bed	39 in
Turning-Ø over support	28 in
Spindle speed	5 - 630 rpm
Motor rating main drive	29.5 Hp
Weight	12320 - 20900 lbs

Designed for large workpieces, with powerful motor and with rapid feed on X and Z axes

- Center widths up to 197 in.
- Spindle bore of 4 in.
- Powerful motor
- Spindle speed can be adjusted in 4 steps
- Rapid feed in X and Z direction
- Complete with assembled 3-axis position indicator



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, 4-jaw face plate chuck Ø 40", 4-station tool holder, Dead centers, Reducing sleeve, Chuck guard, Protective shield for the toolpost, Coolant system, Foundation bolts, Work lamp, Operating tools, Operator instructions

Additional options available upon request.

NC Lathes Servoturn® 410 NC



TECHNICAL SPECS

Center width	40 in
Turning diameter over bed	16 in
Turning diameter over support	9 in
Spindle speed	30 - 2000 rpm
Motor rating main drive	5 Hp
Weight	3850 lbs

A modern conventional lathe extended with CNC functions for turning tapers and radii

- Intuitive operation
- Servo drive for feed and tapping
- Turning of tapers and radii
- Clear touchscreen
- Electronic handwheels



STANDARD EQUIPMENT

Delta servoconventional CNC control, Fixed splash guard (wall), Chuck guard, Protective shield for support, Coolant system, Leadscrew cover, Work lamp, Manual central lubrication, 4-station tool holder, Fastening bolts, Operator instructions

Additional options available upon request.

Conventional Horizontal Lathes Sinus - D Series



TECHNICAL SPECS

Workpiece length (max.)	59 - 118 in
Turning diameter over bed	26 - 31 in
Turning-Ø over support	17 - 22 in
Spindle speed	25 - 1600 rpm
Motor rating main drive	10.1 Hp
Weight	6160 - 8514 lbs

Classic design with extensive standard equipment, including 3 axis read out

- One-piece heavy-duty cast bed for increased rigidity
- Sturdy headstock design with large spindle bearings
- Rapid feed on 2 axes for fast positioning
- Well-designed safety functions



STANDARD EQUIPMENT

3-jaw chuck Ø 12 inch, Operator instructions, Dead center, Chuck guard, Reducing sleeve, Fixed splash guard (wall), 3-axis position indicator X.Pos 3.2, Toolbox with operating tools, Coolant system, Steady and follow rests, LED Work light, Rapid feed on Z and X axes

Additional options available upon request.

Vertical Turret Lathes VDM S Series

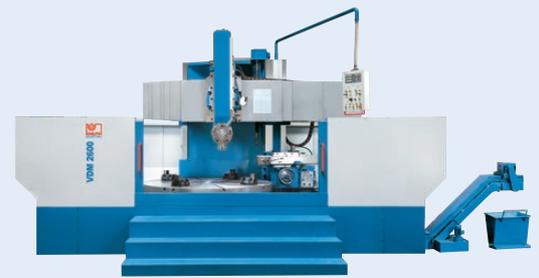
With movable crossbeam, infinitely variable servo feed and additional lateral support for very large turning diameters

- Optimum assembly with crane and forklift
- Infinitely variable feed control via servo motor
- Long, sturdy vertical boom
- Side support with boom and independent feed
- Reduction gear drive for high torque

STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Fully enclosed housing, Chip conveyor, Tool holder vertical, Tool holder horizontal, Automatic central lubrication, Work lamp, Anchor bolts, Operating tools, Operator manual

Additional options available upon request.



TECHNICAL SPECS

Rotating diameter (max.)	63 - 102 in
Turning diameter of side tool holder	55 - 91 in
Workpiece length (max.)	39 - 59 in
Speed range	1.4 - 45 - 5 - 160 rpm
Motor rating main drive	40.2 - 49.6 Hp
Weight	27500 - 60500 lbs

Conventional Horizontal Lathes Turnado PRO Series

Top model of the Turnado series with infinitely variable spindle speed and constant cutting speed, as well as rapid traverse and modern ergonomic design

- Infinitely variable speed range
- Support with rapid feed motor
- Extensive standard equipment
- Constant cutting speed



TECHNICAL SPECS

Center width	39.37 - 59.06 in
Turning-Ø over bed	18 - 22 in
Turning-Ø over support	9 - 14 in
Speed range, low	25 - 200 - 30 - 600 rpm
Speed range, high	200 - 1600 - 600 - 3000 rpm
Motor rating main drive	10.1 Hp
Weight	3784 - 5214 lbs

STANDARD EQUIPMENT

Operator instructions, Dead center, Follow and steady rests, Reducing sleeve, Rapid feed, Micrometer longitudinal stop, 3-axis position indicator, X.pos 3.2 VC, Traveling cover for the toolpost, Toolbox with operating tools, Chuck guard, Fixed splash guard (wall), Foot brake pedal, Thread gauge, Coolant system, Work light

Additional options available upon request.

Conventional Horizontal Lathes Turnado Series

Proven classic with extensive standard equipment and powerful motor

- Classic design with sturdy construction
- One-piece heavy cast bed for increased rigidity
- 3-axis position indicator with various turning functions
- Adjustable feed stoppers for longitudinal feed
- Extensive standard equipment package



TECHNICAL SPECS

Workpiece length (max.)	39 - 79 in
Turning-Ø over bed	18 - 22 in
Turning-Ø over support	9 - 14 in
Spindle speeds	(12) 25 - 1,600 - (12) 25 - 2,000 rpm
Motor rating main drive	7.4 Hp
Weight	3784 - 5984 lbs

STANDARD EQUIPMENT

Adjustable feed stoppers, Operator instructions, Dead center, Chuck guard, Follow and steady rests, Reducing sleeve, Protective shield for the toolpost, Fixed splash guard (wall), Micrometer longitudinal stop, 3-axis position indicator X.Pos 3.2, Toolbox with operating tools, Foot brake pedal, Thread gauge, Coolant system, Work light

Additional options available upon request.

Conventional Horizontal Lathe Machines

V-Turn 410 PRO



TECHNICAL SPECS

Center width	39.37 in
Turning-Ø over support	10 in
Speed range, high	550 - 3000 rpm
Speed range, low	30 - 550 rpm
Motor rating main drive	7.4 Hp
Weight	2662 lbs

Top model of the V-Turn series with infinitely variable spindle speed and constant cutting speed, as well as rapid traverse and modern ergonomic design

- Ergonomic machine housing
- Improved apron with automated feed
- Constant cutting speed
- High spindle speed and motor power
- Roller bearings from world-leading manufacturer NSK



STANDARD EQUIPMENT

3-axis position indicator, X.pos 3.2 VC, 4-jaw face plate chuck Ø 10 inch, Face plate (13" diam.), Quick-change tool holder head WB, Quick change tool holder WBD 25120, Coolant system, Steady rest, Chip tray, Fixed splash guard (wall), Traveling cover for the toolpost, Follow rest, Turret stop, Micrometer stop, Foot brake pedal, Chuck guard, Work light, Toolbox with operating tools, Dead center, Reducing Sleeve, Fixed safety cover made of stainless steel for feed shaft and leadscrew, Operator instructions

Additional options available upon request.

Conventional Horizontal Lathes

V-Turn Series



TECHNICAL SPECS

Center width	39.37 - 59.06 in
Turning diameter over bed	15 in
Speed range, high	550 - 3000 rpm
Speed range, low	30 - 550 rpm
Motor rating main drive	7.4 Hp
Weight	2640 - 3960 lbs

Best selling machine class featuring constant cutting speed and extensive package of accessories

- Constant cutting speed
- High spindle speed and motor power
- Extensive standard equipment
- Roller bearings from world-leading manufacturer NSK



STANDARD EQUIPMENT

3-axis position indicator, X.pos 3.2 VC, 4-jaw face plate chuck Ø 10 inch, Face plate (13" diam.), Quick-change tool holder head WB, Quick change tool holder WBD 25120, Coolant system, Steady rest, Follow rest, Turret stop, Micrometer stop, Chip tray, Fixed splash guard (wall), Protective shield for the toolpost, Chuck guard, Foot brake pedal, Work light, Reducing Sleeve, Dead center, Thread gauge, Toolbox with operating tools, Operator instructions

Additional options available upon request.

Conventional Horizontal Lathes

Basic 180 V



TECHNICAL SPECS

Center width	39.37 in
Turning diameter over bed	14 in
Speed range, high	550 - 3000 rpm
Speed range, low	30 - 550 rpm
Motor rating main drive	5.4 Hp
Weight	1936 lbs

With extra wide bed, infinitely variable spindle speed and constant cutting speed

- Largest bed width in this machine class
- Constant cutting speed
- High spindle speed and motor power
- Extensive standard equipment for a wide range of applications



STANDARD EQUIPMENT

3-axis position indicator, X.pos 3.2 VC, Quick change tool holder head WE, Quick change tool holder WED 20100, 4-jaw face plate chuck Ø 8", Face plate Ø 12", Steady and follow rests, Coolant system, Micrometer stop, Thread gauge, Reducing sleeve, Dead center, Protective shield for the toolpost, Chuck guard, Foot brake pedal, Fixed splash guard (wall), Work light, Chip tray, Toolbox with operating tools, Operator instructions

Additional options available upon request.

Conventional Horizontal Lathes Basic 180 Super

Heavy mechanic's lathe with extensive accessories, extra wide bed and high cutting performance

- Heavy-duty wide machine bed
- Rugged construction for minimal vibration
- Powerful motor for demanding operations
- Extensive standard equipment for a wide range of applications



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Quick change tool holder head WE, Quick change tool holder WED 20100, 3-jaw chuck Ø 6", 4-jaw face plate chuck Ø 8", Face plate Ø 12", Steady and follow rests, Coolant system, Micrometer stop, Thread gauge, Reducing sleeve, Dead center, Protective shield for the toolpost, Chuck guard, Foot brake pedal, Fixed splash guard (wall), Work light, Chip tray, Operator instructions, Toolbox with operating tools

Additional options available upon request.

TECHNICAL SPECS

Center width	39.37 in
Turning diameter over bed	14 in
Spindle speed	45 - 1800 rpm
Motor rating main drive	3.2 Hp
Weight	1936 lbs

Conventional Horizontal Lathes Basic 170 Super

Solid precision bench lathe with large center width

- Compact design for small footprint
- Extensive standard equipment for a wide range of applications
- 3-axis position indicator with turning functions



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Quick change tool holder head WE, Quick change tool holder WED 20100, 3-jaw chuck Ø 6", 4-jaw face plate chuck Ø 8", Face plate Ø 11", Steady and follow rests, Micrometer stop, Thread gauge, Reducing sleeve, Dead center, Protective shield for the toolpost, Chuck guard, Foot brake pedal, Fixed splash guard (wall), Work light, Chip tray, Toolbox with operating tools, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Center width	39.37 in
Turning diameter over bed	13 in
Spindle speed	70 - 2000 rpm
Motor rating main drive	2 Hp
Weight	1144 lbs

Conventional Horizontal Lathes Basic Plus

Best-selling entry-level lathe with extended list of standard accessories, also ideal for training

- Robustness and precision
- Compact design with small footprint
- Extensive standard equipment
- Quick change tool holder
- Assembled 3-axis position indicator



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Quick change tool holder head WA, Quick change tool holder WAD 1675, 3-jaw chuck Ø 6", 4-jaw face plate chuck Ø 8", Face plate Ø 10", Steady and follow rests, Micrometer stop, Thread gauge, Reducing sleeve, Dead center, Protective shield for the toolpost, Chuck guard, Fixed splash guard (wall), Work light, Toolbox with operating tools, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Center width	31.89 in
Turning diameter over bed	12 in
Turning-Ø over support	7 in
Spindle speed (9x2)	60 - 1550 rpm
Motor rating main drive	1.5 Hp
Weight	1144 lbs

CNC Milling Machines



CNC Vertical Machining Centers

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CNC Milling and Boring Machines

Page 14

Vertical Machining Centers **VECTOR 1400 M SI**

Premium milling solution for machining large workpieces in multi-shift operation, with extensive customisation and automation options

- Spindle on multiple bearings ensures minimal vibrations
- 30-bar CTS to ensure optimum machining quality
- Designed for multi-shift operation
- Many customization and automation possibilities
- 2-year standard warranty



STANDARD EQUIPMENT

Siemens 828D control with Shopmill, Coolant flow through spindle, 30 bar with double filter, 24-station tool changer with dual-arm, ST 40 mount, Spindle oil cooler, Chain-type conveyor with chip container, Electronic hand-wheel, Oil skimmer, Automatic central lubrication, Coolant gun, Chip flushing system, Heat exchanger for electric control cabinet, Telescoping axis cover, USB port, Work lamp, 3-color signal lamp, CF card reader, Totally enclosed work space, Coolant system, Adjustable machine feet, Operating tools, Operator instructions, Prepared for Renishaw TS 27

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	59 x 28 in
Travel X-axis	55.1 in
Spindle speed	10000 rpm
Spindle mount	SK 40 ISO 7388-1 (DIN 69871)
Main drive, continuous load	22.8 Hp
Weight	20900 lbs

Vertical Machining Centers **VECTOR 1200 M SI**

Premium milling solution for mould making and production with extensive customisation and automation options

- Spindle on multiple bearings ensures minimal vibrations
- 30-bar CTS to ensure optimum machining quality
- Designed for multi-shift operation
- Many customization and automation possibilities
- 2-year standard warranty



STANDARD EQUIPMENT

Siemens 828D control with Shopmill, Coolant flow through spindle, 30 bar with double filter, 24-station tool changer with dual-arm, ST 40 mount, Spindle oil cooler, Chain-type conveyor with chip container, Electronic hand-wheel, Oil skimmer, Automatic central lubrication, Coolant gun, Chip flushing system, Heat exchanger for electric control cabinet, Telescoping axis cover, USB port, Work lamp, 3-color signal lamp, CF card reader, Totally enclosed work space, Coolant system, Adjustable machine feet, Operating tools, Operator instructions, Prepared for Renishaw TS 27

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	51 x 24 in
Travel X-axis	48 in
Spindle speed	10000 rpm
Spindle mount	SK 40 ISO 7388-1 (DIN 69871)
Main drive, continuous load	16.09 Hp
Weight	14300 lbs

Vertical Machining Centers **Vector M Series**

Premium milling solution for production and one-off manufacturing with extensive customisation and automation options

- Extra-wide Y-shaped Meehanite column for maximum stability
- 30-bar CTS to ensure optimum machining quality
- Designed for multi-shift operation
- Many customization and automation possibilities



STANDARD EQUIPMENT

Siemens 828D control with Shopmill, Coolant flow through spindle, 30 bar with double filter, 24-station tool changer with dual-arm, Main spindle motor 12 HP, ST 40 mount, Spindle oil cooler, Chain-type conveyor with chip container, Electronic hand-wheel, Oil skimmer, Automatic central lubrication, Coolant gun, Chip flushing system, Heat exchanger for electric control cabinet, Telescoping axis cover, USB port, Work lamp, 3-color signal lamp, CF card reader, Totally enclosed work space, Coolant system, Adjustable machine feet, Operating tools, Operator instructions, Prepared for Renishaw TS 27

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	31 x 22 - 43 x 22 in
Travel X-axis	25.6 - 39.4 in
Spindle speed	10000 rpm
Spindle mount	SK 40 ISO 7388-1 (DIN 69871)
Main drive, continuous load	12.07 Hp
Weight	8800 - 10120 lbs



TECHNICAL SPECS

Table dimensions	35 x 18 - 43 x 22 in
Travel X-axis	27.6 - 39.4 in
Spindle speed	10000 rpm
Spindle mount	SK 40 ISO 7388-1 (DIN 69871)
Motor rating main drive	12.1 - 14.8 Hp
Weight	9240 - 10120 lbs

Vertical Machining Centers X.mill T Series

Compact all-in-one solution for complex solutions and powerful 3-axis machining

- Optimized frame design using FEM analysis
- Extra wide Y-shaped column for increased rigidity
- Ø32 mm C3 preloaded ball screws for high accuracy
- Available with Siemens or Fanuc control
- High customization and automation possibilities



STANDARD EQUIPMENT

Shield-type 20-station tool changer, Screw-type chip conveyor with bucket, Rigid tapping, Autom. Power-Off, Manual coolant spray gun, Coolant system, Spindle air system, Heat exchanger for electric control cabinet, Fully enclosed work space (without top cover), Electronic hand-wheel, USB port, Automatic central lubrication, Work lamp, 3-color signal lamp, Operating tools, Alignment bolts and alignment plates, Prepared for Renishaw TS 27

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	28 x 10 in
Travel X-axis	17.7 in
Spindle mount	SK 40 ISO 7388-1 (DIN 69871)
Spindle speed	10000 rpm
Weight	3960 lbs

Vertical Machining Centers X.mill 450

Compact machining centre for high-performance 3-axis machining

- Compact design
- High-quality components and extensive equipment
- Siemens 828D control
- Robust 12-station tool changer



STANDARD EQUIPMENT

Siemens 828D control, Carousel-type 12-station tool changer, Enclosed work area (without top cover), Automatic central lubrication, Coolant System, Manual coolant spray gun, Air gun, Heat exchanger for electric control cabinet, Electronic hand-wheel, Work lamp, 3-color signal lamp, Operating tools, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	25 x 31 in
Travel X-axis	33.1 in
Spindle speed	10 - 6000 rpm
Spindle mount	BT 40 JIS (MAS 403)
Motor rating main drive	14.8 Hp
Weight	13200 lbs

CNC Milling and Boring Machines BO 90 CNC

Stable CNC milling solution for heavy machining with an easily manually swivelled work table for up to 1 t workpiece weight

- Compact machine design
- Powerful main motor
- Manual table with 5° indexing
- Siemens 828D controller for advanced machining
- Telescoping guideway covers made of stainless steel in the work area



STANDARD EQUIPMENT

Siemens 828 D control, Pneumatic rotary table, Electronic hand-wheel, Halogen lights, Central lubrication, Drill chuck .12 - .63 in / B18, Tool-holder bits MT4 / B18, Reducing sleeves MT3, MT4, MT5, Foundation bolts, Operating manual and programming instructions, Machine guard screen system

Additional options available upon request.

Visit our In-House Expo 2025

SAVE THE DATE

14th-15th May
from 9:00 AM to 2:00 PM

Visit our annual in-house exhibition in Lincolnshire on May 14 and May 15, 2025. At our 64,000 ft² North American headquarters near Chicago, we have a full-service facility, offering a large inventory of new machine tools for fast shipment. In addition, our facility includes an on-site machine shop and paint facilities, QC testing room, spare parts distribution center, and more!



Visit us at the FABTECH 2025

FABTECH

**Innovation.
Inspiration.
Impact.**

North America's Largest Metal Forming,
Fabricating, Welding, and Finishing Event

**SEPTEMBER 8-11, 2025
CHICAGO, IL**

BOOTH A6127



More Information

CNC Milling

Conventional Milling Machines



Boring Machines

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Bed-Type Milling Machines

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Servo-conventional

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Universal Milling Machines from Page 20



Multipurpose Milling Machines Page 21/22



Drill Press/Milling Machines Page 24

Conventional Milling and Boring Machines



Large workpieces such as beds, racks and housings usually have to be machined laterally. Both boring machines and milling machines allow drilling, turning and conventional milling on all four sides in just one operation. The machines in heavy cross-bed construction combine a drilling and milling bed. Thanks to the long travel and long strokes of the quill combined with the facing slide and the heavy, height-adjustable tailstock, you can also modify large universal components.



Conventional Milling and Boring Machines BO 130

For heavy and demanding machining
of up to 10 T workpiece weight

- Large work area with W-axis and facing slide
- Thread cutting unit
- 4 x 90° rotatable set-up table
- Telescoping stainless steel covers on all guides



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Alignment wedges, Central lubrication, Work lamp, Foundation bolts, Operating tools, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Table set up area	63 x 71 in
Travel X	78.7 in
Spindle diameter	5 in
Spindle mount	Taper 50
Weight	64460 lbs

Conventional Milling and Boring Machines BO 110

For heavy and demanding machining
of up to 2.5 T workpiece weight

- Large work area with W-axis and facing slide
- Thread cutting unit
- 4 x 90° rotatable set-up table
- Telescoping stainless steel covers on all guides



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Alignment wedges, Central lubrication, Work lamp, Foundation bolts, Operating tools, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Table set up area	43 x 38 in
Travel X	35.4 in
Spindle diameter	4 in
Spindle mount	Taper 50
Weight	25300 lbs

KNUTH SERVO-CONVENTIONAL

Easier to use, more precise and efficient due to integrated electronics

Are you using conventional lathes and milling machines in your workshop for flexible production of single parts and small batches? Are you considering modernizing your equipment to optimize the quality of the finished parts? Do you want to increase productivity, while reducing costs and maintenance and make work simpler and more comfortable? Our range of servo-conventional machine tools provide the right solution.



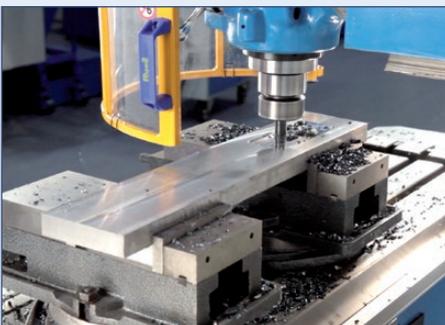
Elektronische Endanschläge

Servomill® Highlights

- Control developed and built in Germany
- Positioning control for traveling pre-selected paths on all axes
- Constant cutting speed, whereby the feed speed is based on the spindle speed
- Zero-backlash preloaded ball screws
- Servo motors on all axes, infinitely variable feed, rapid feed, and speed control
- Electronic spindle load indicator
- Electronic hand-wheels on all axes
- X-, Y- and Z-axes can be controlled via joystick
- Integrated position indicator with glass scale

Your Advantages

- **Simple:** Intuitive operation - practical layout of control elements and streamlined function
- **Faster:** Rapid feed on all axes reduces down-time
- **More precise:** Operated via electronic hand-wheels - axes are powered by high-quality servo drives that translate your hand movements with the precision and dynamics of modern CNC machines
- **More reliable:** Drives, spindles, and measuring systems are totally enclosed or mounted in protective enclosures and virtually maintenance-free
- **More capacity:** This machine only uses premium drive components that are designed for continuous operation
- **Maintenance-free:** No regular maintenance needed for the entire feed drive



Pocketing

Advanced Feed Technology

- Electronic hand-wheels: smoother and more precise than conventional machines
- Operation via joystick: easy handling, perfect for processing of work sequences
- Electronic fixed stops: set 2 limit stops at 3 positions on each axis by the push of a button
- High repeatability and more positions than on conventional machines
- Constant cutting speed: in a selectable feed-per-spindle revolution ratio in the range of 0.01 to 1 mm/rev – ensures increased efficiency and benefit



Face milling

Servomill® UWF Series

The versatile Servomill UWF with servo-conventional feed technology and on two levels swiveling cutter head is the top model of the Universal Milling Machine series. This series features an extra large work area and more powerful main spindle drives. Electronic stops, electronic hand wheels and additional milling functions give the Servomill many of the advantages of the CNC series production technology even without programming. These machines are mainly used in tool making, manufacturing and training.

- Large work area
- Servo-conventional feed technology
- Preloaded ball screws on all axes
- Electronic hand-wheels
- Universal cutter head with 2 swivel axes
- Infinitely variable spindle speed



STANDARD EQUIPMENT

control panel with X.Pos 3.2 and extended functions, preloaded ball screws and direct servo drives on all axes, automatic feed with electric limit switch on all axes, electronic hand-wheels, automatic central lubrication, heat exchanger for electric control cabinet, height-adjustable protective cover, coolant System, LED work lights, operating tools, Operator instructions



TECHNICAL SPECS

Table dimensions	49 x 18 - 79 x 20 in
Travel X-axis	35.4 - 55.1 in
Speed range (2)	30-390 / 390-2050 rpm
Spindle mount	SK 40 DIN 2080
Motor rating main drive	10.1 - 14.8 Hp
Weight	8800 - 9900 lbs





TECHNICAL SPECS

Table dimensions	63 x 14 in
Travel X-axis	51.2 in
Speed range	60 - 1750 rpm
Spindle mount	SK 50 DIN 2080
Weight	6490 lbs

Conventional Vertical Milling Machines UWF 6

With extended travel on axes, universal type milling head, ISO50 spindle, automatic feed on all axis and swiveling table

- Universal cutter head swivels on 2 levels
- Horizontal milling spindle with its own drive
- Swiveling milling table
- Servo-feed on all axes with rapid feed
- Extensive standard equipment



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Reducing sleeve ISO 50 / MT4, Milling arbor Ø 1.25", Horizontal milling arbor, 27 mm diam., Outer arbor support for horizontal milling, Chip tray, Coolant system, Work lamp, Manual central lubrication, Draw bar, Operating tools, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	52 x 14 in
Travel X-axis	29.5 in
Speed range	60 - 1750 rpm
Spindle mount	SK 50 DIN 2080
Weight	6270 lbs

Conventional Vertical Milling Machines UWF 5

Heavy console milling machine with stable SK 50 spindle in the universal milling head, horizontal milling spindle, as well as swivel table and automatic feed in all axes.

- Universal cutter head swivels on 2 levels
- Horizontal milling spindle with its own drive
- Swiveling milling table
- Automatic feed in all axes with rapid feed
- Extensive standard equipment



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Reducing sleeve ISO 50 / MT4, Milling arbors (27, 32 mm), Outer arbor support for horizontal milling, Collet chuck ISO 50 incl. collets 3-25mm (8 pieces), Coolant system, Work lamp, Chip tray, Draw bar, Operating tools, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Table set up area	54 x 13 in
Travel X-axis	39.4 in
Spindle mount	SK 40 DIN 2080
Spindle speed (vertical)	45 - 1660 rpm
Weight	4290 lbs

Conventional Vertical Milling Machines UWF 3.2

With universal type milling head, automatic feed on all axis, swiveling table and horizontal spindle

- Universal cutter head swivels on 2 levels
- Outer arbor support for horizontal milling
- Swiveling milling table
- Servo-feed on all axes with rapid feed
- Extensive standard equipment



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Collet chuck with collets (0.16",0.2",0.24",0.31",0.39",0.47",0.55",0.63" diam.), Horizontal milling arbor, 27 mm diam., Outer arbor support for horizontal milling, Chip tray, Coolant system, Central lubrication, M16 draw bar, LED work lamp, Operating tools, Operator instructions

Additional options available upon request.

Our Vertical Mills

Servomill® FPK Series

The next generation of servo-conventional toolroom milling machines.

- Servo feed technology with electronic handwheels
- Ball screws in all axes
- 3-fold electronic stop
- Large vertical console and work table
- Vertical and horizontal spindle
- Infinitely variable spindle speed

STANDARD EQUIPMENT

control panel with X.Pos 3.2 and extended functions, preloaded ball screws and direct servo drives on all axes, automatic feed with electric limit switch on all axes, , , auto-matic central lubrication, heat exchanger for electric control cabinet, height-adjustable protective cover, coolant System, LED worklight, Operator instructions



TECHNICAL SPECS

Table dimensions	31 x 16 - 33 x 18 in
Travel X-axis	19.7 - 23.6 in
Spindle speed	40 - 2000 rpm
Spindle mount	SK 40 DIN 2080
Motor rating main drive	5 - 7.4 Hp
Weight	3410 - 3850 lbs

Additional options available upon request.

Conventional Vertical Milling Machines

FPK 4.3 • FPK 6.3 Series

Our new generation of machine tools with automated feed and infinitely variable spindle drive

- Vertical and horizontal spindle
- Precise preloaded ball screws on all axes
- Large vertical console and work table
- Automatic feed on all axes with rapid feed
- Infinitely variable main spindle drive
- Extensive accessory package included



TECHNICAL SPECS

Table dimensions	16 x 31 - 18 x 33 in
Travel X-axis	19.7 - 23.6 in
Speed range	40 - 2000 rpm
Spindle mount	SK 40 DIN 2080
Motor rating main drive	4.3 - 7.4 Hp
Weight	3410 - 3850 lbs

Additional options available upon request.

Conventional Vertical Milling Machines

MF 5 VP

With large traverse paths, automatic feed in the X and Y axes, swiveling milling head and pneumatic tool clamping

- Swiveling cutter head with quill feed
- Pneumatic tool tightening system
- Infinitely variable spindle speed
- Feed on X-axis with rapid feed
- Heavy construction with wide guideways



TECHNICAL SPECS

Table set up area	54 x 10 in
Travel X-axis	31.5 in
Spindle speed (vertical)	70 - 3600 rpm
Spindle mount	ISO 40
Weight	3498 lbs

Additional options available upon request.

Conventional Milling



TECHNICAL SPECS

Table set up area	49 x 9 in
Travel X-axis	29.9 in
Spindle mount	R8
Spindle speeds	60 - 4200 rpm
Motor rating main drive	3 Hp
Weight	2090 lbs

Conventional Vertical Milling Machines MF 1 VP (R8)

Vertical milling machine featuring automatic feed on X axis, tilt and swivel head, and pneumatic tool clamping

- Swiveling, tiltable cutter head with quill feed
- Pneumatic tool tightening system
- Infinitely variable spindle speed
- Feed on X-axis with rapid feed
- Extensive standard equipment



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Automatic table feed in X direction (TV 1000), Pneumatic tool clamping, Coolant system, Central lubrication, Vertical guideway cover, LED work lamp, Operating tools, Operator manual, R8 spindle taper

Additional options available upon request.



TECHNICAL SPECS

Table set up area	54 x 13 in
Travel X-axis	39.4 in
Spindle mount	SK 40 DIN 2080
Spindle speed (infinitely variable) (L)	70 - 450 rpm
Spindle speed (infinitely variable) (H)	450 - 3600 rpm
Spindle speeds	35 - 1500 rpm
Weight	4290 lbs

Conventional Vertical Milling Machines VHF 3.2

With swiveling vertical milling head, automatic servo feed in all axes, horizontal spindle and swivel table

- Swiveling cutter head with automated quill feed
- Horizontal spindle with its own drive
- Swiveling milling table
- Servo-motor for infinitely variable feed on all axes
- Extensive standard equipment



STANDARD EQUIPMENT

Chip tray, Coolant system, Central lubrication, 3-axis position indicator X.Pos 3.2, Operator instructions, M16 draw bar, Operating tools, Cutter arbor Ø 1"

Additional options available upon request.



VHF 3.2

KNUTH on YouTube Information to the point

You can find videos for most machines on our YouTube channel. We show the machines from current deliveries, and you get an impression of the handling, processing quality, and machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**

Conventional Vertical Milling Machines

SBF 40 TV 1000

Universal milling/drilling machine with automated drilling feed, compound sliding table with driven X axis and swiveling gear head

- Infinitely variable feed on X axis
- Automated drilling feed with depth display
- Gearbox milling head for powerful machining
- Swiveling head for wide range of applications



STANDARD EQUIPMENT

Thread cutting function, Table feed TV 1000, Draw bar, Drill chuck, Tool-holder bits, Coolant system, Operator manual

Additional options available upon request.



TECHNICAL SPECS

Table set up area	29 x 8 in
Travel X-axis	19.7 in
Spindle mount	MT 4 DIN 228
Speed range	75 - 3200 rpm
Main motor rating	2 / 1,5 Hp
Weight	858 lbs

Conventional Vertical Milling Machines

Mark Super Series

Multi-side milling/drilling machine with automated feed in the X axis, automated quill feed and tapping unit

- Infinitely variable feed on X axis
- Automated drilling feed with depth display
- Gearbox milling head for powerful machining
- Swiveling head for wide range of applications
- Infinitely variable spindle speed with digital display (SV model only)



STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Automatic quill feed, Base, Table feed TV 1000, Drill chuck 1/2", Tool-holder bits, Operator manual

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	31 x 9 in
Drilling capacity in steel	1 in
Travel X-axis manual / autom.	19 / 22 in
Spindle mount	R8
Main motor rating	2 Hp
Weight	836 lbs

KNUTH on Instagram

Do you already know our Instagram account?

We regularly post interesting content, news and updates on our products and services.

Keep up to date and follow us on Instagram.
We look forward to seeing you!



FOLLOW US

5-Year Warranty

See our range of machines with industry-leading 5-year warranty. We trust in our quality, you can too!

For example:



Basic 180 V



V-Turn 410 Series



MF 5 VP



SSB 50 F Super



See all our
5-Year Warranty
Machines



ABS 320 B



KNWP HM Series

Accessories Milling

Tool Holders



The tool holder segment includes various items for milling, drilling, turning and other machining processes. In most cases they allow the forces to be transferred between the tool and the machine. In addition to milling arbors and adapters, there are also drill chucks, drilling tools and tool holders in a wide variety of sizes.



Workpiece Holding



Precise positioning and fixing of the workpiece is crucial for precise machining. Depending on the processing and type of processing required, various fixing elements are available. In addition to the classic vises and clamping tables, dividing devices for precise angular alignment are also available. The range is expanded by clamping tools such as collets and chucks for precisely fitting fixation.



Machining Tools



The tool segment includes wear and tear parts as well as spare parts for machining types such as milling, turning and drilling. In addition to broaches for making grooves and other notches, there are various end mills for roughing and finishing. Furthermore, reamer and countersinking tools are included in this category with which, for example, bores can be reworked. Various tools are also available for turning and drilling. When selecting the suitable tool, attention must be paid not only to the tool dimensions but also to compatibility with the respective tool holder.



Measuring technology



The required tolerances and dimensions can only be adhered to by constantly monitoring the decisive parameters. For this purpose, KNUTH Machine Tools provides various measuring equipment and control elements. In addition to dial gauges and analog or digital micrometers, measuring and control plates can also be used.



The new KNUTH Accessory Shop is now live! → [Shop now](#)



Grinding Machines



NC Surface Grinders

Page 27



Conventional Cylindrical Grinders

Page 28/29



Tool Grinders

Page 28

Conventional Surface Grinders HFS F NC Series

Moving column design with automated control of X and Z axes and Siemens HMI

- Moving column design for maximum stability
- Magnetic clamping plate with built-in demagnetizing function
- Siemens Smart Line PLC control with grinding cycles
- NC-controlled Y/Z axes driven by servo motors
- User-friendly HMI with touchscreen
- Electronic handwheel for Y/Z axes

STANDARD EQUIPMENT

2-axis position indicator X.Pos 3.2, Electronic hand-wheel Y/Z axis, Grinding wheel flange, Workspace enclosure, Coolant system, Grinding wheel dresser (without dressing diamond), Balancing station, Balancing shaft, LED work lamp, Magnetic clamping plate, Adjustment screws, Operating tools, Operator manual, Siemens PLC with touchscreen, Grinding wheel, Automatic central lubrication

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	20 x 39 - 31 x 118 in
Spindle center-to-table distance	24 - 36 in
Travel X-axis	39.4 - 118.1 in
Travel Y-axis	20 - 32 in
Grinding wheels dimensions (length x width)	14 x 2 x 5 - 20 x 3 x 12 in
Weight	12100 - 30800 lbs

Conventional Surface Grinders HFS F Advance Series

Surface grinders with automated control of Z axis and Siemens HMI

- Magnetic clamping plate with built-in demagnetizing function
- Vertical axis with ballscrew and servo motor for high precision
- Easy auto-mode programming with Siemens PLC and touchscreen
- Extensive standard equipment package

STANDARD EQUIPMENT

2-axis position indicator X.Pos 3.2, Electronic hand-wheel, Grinding wheel flange, Automatic central lubrication, Workspace enclosure, Coolant system and vacuum system, Grinding wheel dresser, Balancing station, Balancing shaft, LED work lamp, Magnetic clamping plate, Adjustment screws, Operating tools, Degausser, Siemens PLC with touchscreen, Operator manual, Grinding wheel

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	20 x 10 - 40 x 16 in
Workpiece weight (max.)	396 - 1320 lbs
Spindle nose-to-table surface distance	18 - 23 in
Travel X-axis	22 - 44.5 in
Motor rating main drive	3 - 5.4 Hp
Grinding wheel dimensions	7.87 x 0.79 x 1.25 - 13.78 x 1.57 x 5 in
Weight	3960 - 8140 lbs

Conventional Surface Grinders FSM 480

Ideal grinder featuring many standard features for workshop applications

- Cast-iron machine base absorbs vibrations
- Magnetic clamping plate 4.9 x 11.8 in.
- Extensive standard equipment included
- Angle-adjustable grinding vise

STANDARD EQUIPMENT

Exhaust vacuum, Work lamp, Magnetic clamping plate 5"x11.75", Balancing shaft, Balancing station, Angle - adjustable grinding vise, Operating tools, Operator manual, Grinding wheel flange, Grinding wheel dresser, Grinding wheel

Additional options available upon request.



TECHNICAL SPECS

Table dimensions	8 x 18 in
Spindle axis-to-table surface distance	17.72 in
Travel X-axis	18.9 in
Grinding wheel dimensions	7.87 x 0.51 x 1.26 in
Motor rating main drive	2 Hp
Weight	1606 lbs

Conventional Cylindrical Grinders RSM C Series



Inside and outside machining with auto feed on transverse axis

- Internal and external grinding
- Hydrostatic bearings for high surface quality
- Heavy machine frame to support large workpieces
- Swiveling headstock for conical grinding of short parts
- Integrated rapid feed on X-axis with manual return
- Extensive package of standard accessories



TECHNICAL SPECS

Center height	5 - 7 in
Working spindle taper	4 MT
Grinding length	30 - 79 in
Work piece weight between centers (max.)	176 - 330 lbs
Grinding diameter	0.3 - 7.9 - 0.6 - 12.6 in
Grinding wheel dimensions	15.75 x 1.97 x 7.99 - 19.69 x 1.97 x 7.99 in

STANDARD EQUIPMENT

3-jaw chuck, Ø 7.87", Balancing mandrel, Balancing station, Center point, Coolant system, Grinding wheel dresser, Grinding wheel flange, Internal grinding equipment, Operator manual, Operating tools

Additional options available upon request.

Conventional Cylindrical Grinders RSM A Series



Inside and outside machining with manual feed on transverse axis

- Internal and external grinding
- Hydrostatic bearings for high surface quality
- Swiveling headstock for conical grinding of short parts
- Integrated rapid feed on X-axis with manual return
- Extensive package of standard accessories



TECHNICAL SPECS

Center height	5 in
Workpiece length (max.)	25 - 37 in
Grinding length	20 - 31 in
Grinding diameter	0.3 - 7.9 in
Work piece weight between centers (max.)	110 lbs
Grinding wheel dimensions	15.75 x 1.97 x 7.99 in

STANDARD EQUIPMENT

2-axis position indicator X.Pos 3.2, Internal grinding equipment, 3-jaw chuck, Ø 7.87", Chuck flange, Balancing station, Balancing mandrel, Truing feature, Center point, Grinding wheel flange, Coolant system, Drivers, Work lamp, Operating tools, Operator instructions, Open rest, Closed rest

Additional options available upon request.

Tool Grinders Multi-Grind



Multifunctional machine with inner and outer grinding device, ideal for sharpening tools and light grinding work

- Outer and inner cylindrical grinding
- Surface grinding
- Tool grinding
- Hydraulic table feed
- Wide range of accessories



TECHNICAL SPECS

Grinding diameter	7.9 in
Workpiece length (max.)	20 in
Workpiece weight (max.)	22 lbs
Travel Z-axis	19 in
Grinding spindle speed	2500 rpm
Motor rating main drive	1.5 Hp

STANDARD EQUIPMENT

Coolant system, Exhaust vacuum, Tool mount / indexing head MT 4, Internal grinding unit including 2 die grinders, 3-jaw chuck (4" diam.), Left tailstock, Right tailstock MT 2, Center point, Half center points, Balancing station, Spindle extension, Vise for surface grinding (3-D angle adjustment), Spring stop, 5 drivers, Various splash guards, Grinding wheel guard (2x), Automatic central lubrication, Operator manual, Test certificate

Additional options available upon request.

Servogrind® RSM NC Series

Servo-conventional cylindrical grinding with NC-controlled cycles for internal and external machining

- NC control with touchscreen
- Grinding cycles for internal and external cylindrical grinding
- Servomotors in both axes
- Swivelling table and swivelling work spindle
- Extensive range of standard accessories



STANDARD EQUIPMENT

NC control with touchscreen, electronic handwheel Y-, Z-axis, internal grinding device, work area protection, pneumatic tailstock quill, 3-B chuck Ø 8 in, grinding wheel dresser, balancing arbor and balancing stand, open and closed steady rest, coolant device, automatic central lubrication, accessories for grinding, LED work light, operating instructions



Additional options available upon request.

TECHNICAL SPECS

Center height	7 in
Working spindle taper	4 MT
Grinding length	24 - 59 in
Grinding diameter	0.3 - 12.6 in
Workpiece weight between centers (max.)	220 - 330 lbs
Grinding wheel dimensions	15.75x1.97x7.99 in



Drilling Machines



Radial Drilling Machines Page 31/32



Quick-Action Radial Drilling Machines Page 32



Column Drilling Machines from Page 33



Bench Drilling Machines Page 34 / 35



on the **Touchscreen**

Radial Drilling Machines **R-VT PRO Series**

NEW

3 Year Warranty on the **Touchscreen**

Servo-conventional radial drilling machine with advanced functions and large touchscreen

- Unique operating concept
- Advanced control of machine functions
- Servomotor-driven quill feed
- Rigid design with proven high stability



STANDARD EQUIPMENT

Automatic thread cutting cycles, Touchscreen control panel, Servo motor for quill feed, Manual central lubrication, Coolant system, LED work lights, Height adjustable spindle cover, Operator instructions

Additional options available upon request.

Radial Drilling Machines **R-V Series**

Infinitely variable spindle speed, feed gear and a wide range of sizes characterise our proven bestseller series

- Infinitely variable spindle speed with digital display
- A cube table offers extended clamping possibilities
- Robust construction for constant high accuracy
- Modern design for easy and comfortable operation



STANDARD EQUIPMENT

Coolant system, Cube table, LED work lamp, Operator instructions

Additional options available upon request.



Drilling

TECHNICAL SPECS

Drilling capacity	1.57 - 3.15 in
Drilling depth (max.)	10 - 16 in
Spindle nose-to-table surface dist.	12 - 47 - 14 - 61 in
Speed range	30 - 1400 - 74 - 2200 rpm
Spindle mount	4 - 6 MT
Motor rating main drive	3 - 10.1 Hp



TECHNICAL SPECS

Drilling capacity	1.57 - 3.15 in
Drilling depth (max.)	10 - 16 in
Spindle nose-to-table surface dist.	12 - 47 - 16 - 62 in
Speed range	30 - 1400 - 54 - 2150 rpm
Spindle mount	4 - 6 MT
Motor rating main drive	3 - 10.1 Hp



TECHNICAL SPECS

Drilling capacity	1.26 in
Spindle nose-to-table surface dist.	13 - 34 in
Quill stroke	9 in
Speed range	75 - 1220 rpm
Spindle mount	4 MT
Motor rating main drive	2 Hp



TECHNICAL SPECS

Drilling capacity	1.97 in
Spindle nose-to-table surface dist.	30 in
Quill stroke	8 in
Spindle mount	4 MT
Spindle speed (infinitely variable)	50 - 2000 rpm
Motor rating main drive	4 Hp

Radial Drilling Machines R 32 Basic

Compact radial drilling machine with a large throat, manual axis clamping and automatic quill feed

- Easy positioning on all axes
- Motorized height adjustment of the boom
- Spindle made of premium hardened steel
- Mechanical clamping for head, column, and arm



STANDARD EQUIPMENT

Coolant system, Cube table, Halogen lights

Additional options available upon request.

Radial Drilling Machines KSR 50 VT



Fast smooth positioning of the drilling quill on 3 possible workstations, with servo quill feed and infinitely variable spindle speed, large touchscreen control panel and extra drilling power

- Unique operating concept
- 3 work stations
- Expanded control of machine functions
- Servomotor-driven quill feed
- Linear guides for smooth, high-precision movement of the arm



STANDARD EQUIPMENT

Touchscreen monitor, Additional setup areas at the side and rear, Cube table, Swiveling horizontal table, Work lamp, Coolant system, Thread cutting function, Reduction sleeves, Operating tools, Operator manual

Additional options available upon request.



KSR 50 VT

KNUTH on YouTube Information to the point

You can find videos for most machines on our YouTube channel. We show the machines from current deliveries, and you get an impression of the handling, processing quality, and machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**

Column Drilling Machines SSB 70 Xn Advanced

NEW

3 Year
Warranty on the Touchscreen

Heavy drill press with high drilling power, touchscreen and motorized table height adjustments

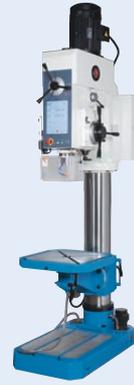
- High drilling power
- Touchscreen control panel
- Precision-stepped gear drive
- Quill feed shifted via manual transmission
- Motorized table height adjustment
- Work table swivels and rotates



STANDARD EQUIPMENT

Control panel with touchscreen, Thread cutting function, Automatic spindle feeds, Motorized table height adjustment, Drilling accessories, Coolant system, Protective shield, LED work lamp, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Drilling capacity	2.76 in
Quill stroke	11 in
Spindle nose-to-table surface distance manual	31 in
Spindle nose-to-table surface distance motorised	29 in
Spindle mount	5 MT
Speed range	38 - 1230 rpm
Motor rating main drive	7.4 Hp

Column Drilling Machines SSB F Super VT Series

3 Year
Warranty on the Touchscreen

Drill presses with touchscreen, modern inverter technology, and motorized table height adjustment

- Touchscreen control panel with extra functions
- Automatic feed with manual transmission
- Infinitely variable speed control
- Motorized table height adjustment
- Swiveling and rotating work table



STANDARD EQUIPMENT

Touchscreen controller, Thread cutting function, automatic spindle feeds, Motorized table height adjustment, drilling accessories, Coolant system, Protective shield, LED work lamp, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Drilling capacity	1,97 in
Quill stroke	7 - 8 in
Spindle nose-to-table surface dist.	23 in
Speed range	50 - 2000 - 60 - 2600 rpm
Spindle mount	MK 4
Motor rating main drive	2.7 - 4 Hp

Column Drilling Machines SSB F 60 Super VT PRO

3 Year
Warranty on the Touchscreen

Powerful drill with touchscreen control panel, servo quill feed with advanced functions

- High drilling and thread cutting capacity
- Servo motor for quill feed
- Touchscreen control panel with additional features
- Infinitely variable speed
- Motorized table height adjustments
- Swiveling and rotating setup table



STANDARD EQUIPMENT

Touchscreen controller, Automatic thread cutting cycles, Automatic drilling feed mandrino automatici, Motorized table height adjustment, drilling accessories, Coolant system, Protective shield, LED work lamp, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Drilling capacity	2,36 in
Quill stroke	8 in
Spindle nose-to-table surface dist.	20 in
Speed range	50 - 316 316 - 2000 rpm
Motor rating main drive	5.4 Hp



Column Drilling Machines SSB Xn Series

Our best selling, gear driven drill press for your workshop

- Tilting table for drilling at an angle
- Automatic drilling feed
- Work table with 2-axes of rotation for flexibility in operation
- Well-considered safety protection
- Integrated coolant system



TECHNICAL SPECS

Drilling capacity	1.26 - 1.57 in
Spindle nose-to-table surface distance	24 - 25 in
Quill stroke	6 - 7 in
Speed range	75 - 2020 - 125 - 3030 rpm
Motor rating main drive	1.6 - 2 Hp

STANDARD EQUIPMENT

Thread cutting function, drilling accessories, Coolant system, Protective shield, LED work lamp, Operator instructions

Additional options available upon request.



Column Drilling Machines SSB F Super Series

The bestseller with infinitely variable speed control, motorised moving clamping table and extensive features

- High drilling and thread cutting capacity
- Infinitely variable speed
- Motorized table height adjustment
- Swiveling and rotating setup table
- Fully equipped



TECHNICAL SPECS

Drilling capacity	1.57 - 1.97 in
Spindle nose-to-table surface distance	22 - 23 in
Quill stroke	7 - 8 in
Speed range	50 - 2200 - 60 - 2600 rpm
Spindle mount	4 MT
Motor rating main drive	2.7 - 3 Hp

STANDARD EQUIPMENT

Thread cutting function, Protective shield, LED work lamp, Coolant system, Operating tools, Operator manual

Additional options available upon request.



Column Drilling Machines SSB 60 F Super VT

Powerful drill with touchscreen control panel, servo quill feed with advanced functions

- High drilling and thread cutting capacity
- Servo motor for quill feed
- Touchscreen control panel with additional features
- Infinitely variable speed
- Motorized table height adjustments
- Swiveling and rotating setup table



TECHNICAL SPECS

Drilling capacity	2.36 in
Spindle nose-to-foot distance	44 in
Quill stroke	8 in
Speed range	50 - 316 316 - 2000 rpm
Spindle mount	5 MT
Motor rating main drive	5.4 Hp

STANDARD EQUIPMENT

Touchscreen controller, Thread cutting function, Protective shield, Coolant system, LED work lamp, Operating tools, Operator instructions

Additional options available upon request.

Column Drilling Machines KB 32 SF

Column drilling machine with manual feed and heavy-duty belt drive

- Compact and powerful
- Digital speed display
- Tapping feature
- Integrated work light
- Delivered with drill chuck and vise



STANDARD EQUIPMENT

Drill chuck, Tool-holder bits, Drill press vise, Thread cutting function, Operating tools, Coolant system

Additional options available upon request.

TECHNICAL SPECS

Drilling capacity	1.26 in
Spindle nose-to-table surface distance	32 in
Quill stroke	6 in
Speed range	320 - 1820 rpm
Spindle mount	3 MT
Motor rating main drive	2 Hp

Column Drilling Machines TSB Series

Featuring gear drive, swivel drilling head and digital display for spindle speed

- Compact table design
- Swiveling drill head
- Manual transmission for high torque



STANDARD EQUIPMENT

Base, Protective shield, LED work lamp, Drill chuck, Operating tools, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Drilling capacity	0.98 - 1.38 in
Spindle nose-to-foot distance	25 - 26 in
Spindle speed	125 - 2825 - 125 - 3030 rpm
Spindle mount	3 - 4 MT
Quill stroke	4 - 6 in
Motor rating main drive	1 - 1.6 Hp

Accessories Clamping Tool

Vises



Workpieces must be held firmly on the machine table. For small and medium workpieces, a vise is the optimum solution for a firm hold and precise angular and parallel clamping. The machine or milling vise must be matched to the application to provide the required high stability and clamping force to withstand the strong vibrations and lateral forces that are exerted on the workpiece during machining. For drilling operations axial forces are the greatest concern, while for grinding and electric discharge machining maximum precision is top priority. KNUTH has the right vise for every application.



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Mitre Cutting Bandsaws from Page 37



Horizontal Cutting Bandsaws from Page 38



Vertical Bandsaws Page 41



Manual Circular Saws Page 41

Horizontal Mitre Cutting Bandsaws

ABS S NC Series

Double-column design, Omron NC control with high-precision servo material feed and hydraulic bundle clamping device for series processing

- Double-column design with precise linear guidance
- Miter cutting with hydraulic workpiece clamping and digital display
- Omron touchscreen controller for fast programming and setup
- Material servo-feeding for high precision $\pm 0.079''$
- Automated stroke height control with optical sensor



STANDARD EQUIPMENT

Omron control with touchscreen, Automatic workpiece feed (servo), Hydraulic part clamping, Hydraulic clamping of cutting angle, Digital angle display, Optical height adjustment, Saw-band, Mechanical saw blade tensioning with hydraulic pressure gauge, Saw blade cleaner brush, Coolant system, Operating tools, Operator manual

Additional options available upon request.

TECHNICAL SPECS

Cutting capacity 0° (round)	13 - 21 in
Cutting capacity 30° (round)	13 - 21 in
Cutting capacity 45° (round)	12 - 20 in
Motor rating main drive	3 - 5.4 Hp
Blade dimensions	172.44 x 1.34 x 0.04 - 236.22 x 1.61 x 0.05 in
Weight	4092 - 9218 lbs

Horizontal Mitre Cutting Bandsaws

ABS NC Series

NC controlled double column design with programmable cutting angle adjustment, as well as hydraulic feed, workpiece and bundle clamping

- Stable double-column design
- Miter cutting with programmable cutting angle
- NC control with touchscreen for faster programming and set-up
- Hydraulic top vises for bundle cutting



STANDARD EQUIPMENT

Siemens PLC control, Autom. cleaning brush, Feed roller table (6.5 feet), 1 saw blade, Touchscreen monitor, Automatic parts counter, Bundle vise, Chip conveyor, Coolant system, Operating tools, Operator manual

Additional options available upon request.

TECHNICAL SPECS

Cutting capacity 0° (round)	12 - 16 in
Cutting capacity 30° (round)	11 - 16 in
Cutting capacity 45° (round)	9 - 14 in
Motor rating main drive	4 - 5.4 Hp
Blade dimensions	174.41x1.34x0.04 - 220.08x1.61x 0.04 in
Weight	4180 - 6380 lbs

Horizontal Mitre Cutting Bandsaws

ABS 350 C

Fully automatic miter band saw with vice integrated feed rollers and touch screen control panel

- Vice with feed rollers
- Angle cutting possibility for increased versatility
- Facile operation via touchscreen
- Height adjustment with switch to speed up the cutting process
- Workpiece counter to facilitate continuous production
- Manual top vise for bundle cutting



STANDARD EQUIPMENT

Automatic band break control, Bundle vise, Coolant system, Hydraulic part clamping, Operating tools, Saw-band, Chip wiper, Feed roller table 47", Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Cutting capacity 0° (round)	14 in
Cutting capacity 30° (round)	13 in
Cutting capacity 45° (round)	13 in
Motor rating main drive	3 Hp
Blade dimensions	163.78x1.34x0.04 in
Weight	2310 lbs



TECHNICAL SPECS

Cutting capacity 0° (round)	13 in
Cutting capacity 0° (square)	12 in
Cutting speed	65.4 - 327 fpm
Motor rating main drive	2 Hp
Blade dimensions	144.09x1.06x0.04 in
Weight	1683 lbs

Horizontal Straight Cutting Bandsaws ABS 320 PLC

Fully automatic band saw with motorized material feed

- Touchscreen for automatic feed
- Hydraulic workpiece clamping
- Bundling vise
- Infinitely variable cutting speeds



STANDARD EQUIPMENT

Coolant gun, Hydraulic part clamping, Bundle vise, Mechanical saw blade tensioning with hydraulic pressure gauge, Optical height adjustment, Automatic band break control, Feed roller table 47", Coolant system, Saw-band, Saw blade cleaner brush, Operating tools, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Cutting capacity 0° (round)	15 - 32 in
Cutting capacity 45° (round)	12 - 32 in
Cutting speed	65.4 - 327 fpm
Motor rating main drive	4 - 5.4 Hp
Blade dimensions	188.98x1.34x0.04 - 322.83x1.61x0.05 in
Weight	2530 - 5060 lbs

Horizontal Mitre Cutting Bandsaws HB L Series

Stable double column construction with linear guide for large diameters with hydraulically clamping and swivelling vise

- Double column design with linear guide
- Semi-automatic operation
- Automatic stroke height adjustment with optical sensor
- 45° swiveling vise for miter cutting
- Short setup time for machine and workpiece



STANDARD EQUIPMENT

Bimetallic band saw blade, Hydraulic part clamping, Automatic stroke height adjustment, Feed roller table 3 ft, PAS system, Coolant system, Operator instructions

Additional options available upon request.



TECHNICAL SPECS

Cutting capacity 0° (round)	13 in
Cutting capacity 45° (round)	13 in
Cutting capacity 60° (round)	10 in
Motor rating main drive	3 Hp
Blade dimensions	163.78x1.34x0.04 in
Weight	2200 lbs

Horizontal Mitre Cutting Bandsaws HB 320 BS

Miter bandsaw with swivel frame and hydraulic machine vise

- Saw frame can swivel 60° for miter cutting
- Semi-automated operation
- Automated stroke height control with optical sensor
- Low machine and workpiece setup times



STANDARD EQUIPMENT

Hydraulic part clamping, Coolant system, Linear stop, Feed roller table 47", Operator manual

Additional options available upon request.

Horizontal Straight Cutting Bandsaws ABS 320 B

Fully automatic swing frame band saw with feed rollers in the vice for series production

- Material feed through feed rollers in the vice
- Height stroke limitation reduces unproductive idle time
- Workpiece counting for series production
- Manual top vise for bundle cutting



STANDARD EQUIPMENT

Automatic band break control, Bundle vise, Coolant system, Operating tools, Saw-band, Chip wiper, Feed roller table 47", Operator instructions, Hydraulic part clamping

Additional options available upon request.

TECHNICAL SPECS

Cutting capacity 0° (round)	13 in
Cutting capacity 0° (square)	12 in
Cutting capacity 0° (flat) (L x w)	13 x 8 in
Motor rating main drive	3 Hp
Blade dimensions	144.09x1.06x0.04 in
Weight	1452 lbs

Horizontal Straight Cutting Bandsaws ABS 280 T

Affordable dual column band saw loaded with features and with hydraulic clamping and part fee

- Torsion-resistant dual-column construction
- Hydraulic material clamping
- Hydraulic feed with easy-to-use adjustable stop
- Bundle vise
- Complete standard equipment



STANDARD EQUIPMENT

1 saw blade, Bundle vise, Coolant system, Work lamp, Material support block, Operator manual

Additional options available upon request.

TECHNICAL SPECS

Cutting capacity 0° (round)	11 in
Motor rating main drive	4 Hp
Blade dimensions	137.99x1.06x0.04 in
Weight	2222 lbs

Horizontal Straight Cutting Bandsaws ABS L Series

Sturdy double-column design with large cutting capacity and robust fully automatic feed for efficient series production

- Dual column design for superior stability
- Material feed system with workpiece guide rollers
- Hydraulic workpiece clamping
- Optical detection of the workpiece height
- Feed roller table 4 ft



STANDARD EQUIPMENT

Saw-band, Parts counter, Band break control, Coolant system, Hydraulic clamping, Mechanical saw blade tensioning with hydraulic pressure gauge, Feed roller table 47", Linear stop, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Cutting capacity 0° (round)	13 - 22 in
Stop length	20 in
Cutting speed infinitely variable	65 - 327 fpm
Blade dimensions	163.78x1.34x0.04 - 236.22x1.61x0.05 in
Motor rating main drive	4 - 5.4 Hp
Weight	2750 - 4620 lbs



Horizontal Mitre Cutting Bandsaws **SBS Series**

Double miter bandsaw with great cutting performance in the best processing quality and with an outstanding price-performance ratio

- One-piece cast-iron saw frame
- Rigid vise with long stroke
- High cutting capacity
- Compact design
- Quick-action angle adjustment left and right



TECHNICAL SPECS

Cutting capacity 0° (round)	9 - 14 in
Cutting capacity 45° (round) L	6 - 11 in
Cutting capacity 45° (round) R	5 - 14 in
Cutting capacity 60° R (round)	4 - 9 in
Cutting capacity 60° R (square)	4 - 7 in
Motor rating main drive	1.5 - 3 Hp
Weight	649 - 1771 lbs

STANDARD EQUIPMENT

1 saw blade, Coolant system, Base, Pressure gauge for saw blade tension, Hydraulic cylinder for saw frame, Operator instructions

Additional options available upon request.



Horizontal Mitre Cutting Bandsaws **HB 250 A**

Affordable workshop bandsaw with quick action clamping and miter cutting

- Cast-iron saw frame, one-piece construction
- Two speeds for cutting optimization
- Vise with quick-action clamping feature



TECHNICAL SPECS

Cutting capacity 0° (round)	9 in
Cutting capacity 45° (round)	6 in
Cutting capacity 60° round	4 in
Belt speed	131 / 295 fpm
Main motor rating	1.5 Hp
Weight	407 lbs

STANDARD EQUIPMENT

1 saw blade, Coolant system, Base, Hydraulic cylinder for saw frame, Operator instructions, Quick-action vise

Additional options available upon request.



Horizontal Mitre Cutting Bandsaws **B 200 S**

Economical mobile bandsaw for workshop use with swiveling vise for miter cuts

- One-piece cast-iron saw frame
- 45° swiveling vise for miter cutting
- Compact design
- Hydraulic cylinder-adjustable saw frame feed
- Coolant unit in machine base



TECHNICAL SPECS

Cutting capacity 0° (round)	8 in
Cutting capacity 45° (round) L	5 in
Belt speed	79 / 135 / 200 / 269 fpm
Motor rating main drive	1.5 Hp
Blade dimensions	92.91x0.79x0.04 in
Weight	418 lbs

STANDARD EQUIPMENT

Coolant system, Quick-action vise, Mobile base, Saw-band, Operator instructions

Additional options available upon request.

Vertical Bandsaws VB-A Series

The solution for contour sawing with a particularly stable saw frame, table that can be swivelled on both sides, minimum quantity cooling and strip welding unit

- Swiveling table
- Infinitely variable belt speed
- Adjustable saw blade guide with carbide jaws
- Saw blade welder with shearing and grinding unit



STANDARD EQUIPMENT

Saw blade welder assembly, Saw blade shears, Work lamp, Saw-band, Coolant system, Adjustable table stop, Operator instructions

Additional options available upon request.

Circular Sawing Machines KKS T Series

Robust manual cold circular saw for workshop use with precise mitre adjustment and space-saving base frame

- High-precision angle cuts
- Rigid vise
- Rigid machine base included
- Built-in coolant system



STANDARD EQUIPMENT

Base, Coolant system, 1 saw blade

Additional options available upon request.

Accessories Sawing

Roller Conveyors



Roller conveyors are an excellent addition to circular and band saws. The fed material is reliably and continuously supported. This makes material handling much easier and ensures safety. Roller conveyors are available in various lengths and in versions with length stops.



TECHNICAL SPECS

Table dimensions	20x16x35 - 28x26x39 in
Cutting speed	32.7 - 588.6 - 49.05 - 1072.56 fpm
Motor rating main drive	0.7 - 2 Hp
Blade width	0.12 - 0.59 - 0.24 - 0.75 in
Blade length	111.61 - 114.76 - 174.41 - 177.95 in
Weight	605 - 1221 lbs



TECHNICAL SPECS

Max. saw blade diameter	10 - 14 in
Speed	18/36 - 42 rpm
Cutting capacity 0° (round)	2 - 5 in
Cutting capacity 45° (round) L	2 - 4 in
Main motor rating	0,75 / 1,3 - 1,1 Hp
Weight	315 - 519 lbs



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EDM Machines



CNC Wire Cut EDM Machines

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Die Sinker EDM Machines

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Wire Cut EDM Neospark T 500

CNC wire eroding machine with reciprocal high-speed eroding wire system

- Electrical discharge machining with highest cost-efficiency
- C3 class ballscrew transmission on XYUV axis
- Easily programmable CNC control with integrated CAD/CAM software
- Real-time system diagnostics, high process reliability
- Time-saving programming during the machining process

STANDARD EQUIPMENT

IPC-based control system, Electronic manual control unit, Aluminum cutting function, USB port, Ethernet, Standard wire guides, Dielectric tank with pump, Work lamp, Leveling plates and jacks, Central lubrication, Operating tools, Operator instructions



TECHNICAL SPECS

Table dimensions	31 x 20 in
Workpiece weight (max.)	1320 lbs
Travel X-axis	20 in
Travel Y-axis	16 in
Travel Z-axis	12 in
Generator	10 A

Additional options available upon request.

Die Sinker EDM ZNC-EDM Series

ZNC-controlled electrical discharge machine with manually positioned work reservoir for tool and die making

- User-friendly CNC control
- Preloaded ball screws on all axes
- High-precision preloaded ball screws on Z-axis
- High quality components
- Integrated diagnostic system



TECHNICAL SPECS

Table dimensions	18 x 11 - 28 x 18 in
Workpiece weight (max.)	440 - 4400 lbs
Quill stroke	8 - 12 in
Travel X-axis	9.8 - 27.6 in
Travel Y-axis	8 - 24 in
Mean generator capacity	40 - 100 A

Additional options available upon request.

Consumables

for Eroding



Wire erosion or Electronic Discharge Machining (EDM) is used for precise machining of conductive materials of any hardness, like steel, stainless steel, or titanium. Use only high-grade EDM wire, precise wire guides and process-specific dielectric to ensure long service life and low operating cost.



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Cutting Machines



Laser Cutting Machines

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Plasma Cutting Machines

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Laser Cutting Machines



Laser cutting systems have developed into one of the most versatile metalworking tools, as well as becoming more affordable as technology advances. Today's fiber optic lasers can cut ferrous and non-ferrous materials of different thickness utilizing only a photonic beam and assist gasses. Fiber lasers offer blistering speed for thinner applications, as well as high cutting capacities with greater kilowatts, while simultaneously offering excellent edge finish and high throughput. KNUTH's ACE Fiber Laser Cutting System provides extensive standard options including a shuttle table and available sizes for just about every metalworking need.



Cutting

Laser Cutting Machines ACE Laser IPG Series

The machines of the ACE Laser series offer a cutting system that sets new standards in price and performance. They are optimally designed for the cutting process and excellent part quality. The machines guarantee productivity, safety and reliability. Comprehensive standard equipment ensures efficiency and versatility.

- Rugged design with high quality components
- Complete cutting package including dust collector
- Comprehensive KNUTH service: setup, commissioning, and maintenance



STANDARD EQUIPMENT

CypCut CNC controller, IPG fiber laser, Fiberoptic cable, Precitec high-pressure cutter head, Automatic focus position adjustment, Full protective housing, Automatic changing table system, Dust collector and filtration unit, Central lubrication, Recirculating water cooling system for the laser source, CAD/CAM software (CypCut), Operating manual and programming instructions, Automatic gas console with electrovalves for Oxygen and Nitrogen



Additional options available upon request.

TECHNICAL SPECS

Workpiece weight (max.)	2200 - 4400 lbs
Travel X-axis	59.8 - 79.5 in
Travel Y-axis	120 - 238 in
Travel Z-axis	4 - 5 in
Fiber laser	2000 - 4000 W
Weight	17600 - 39160 lbs



TECHNICAL SPECS

Cutting width	59 - 118 in
Cutting length	118 - 236 in
Table height	28 in
Table load capacity	106 lbs/ft ²
Rapid feed	709 in/min
Weight	6820 - 20900 lbs

Plasma Cutting Machines Plasma-Jet TrueCut H Series

First-class performance through Hypertherm CNC control with a large machining and power spectrum.

- Independent table for high accuracy
- Powerful ProNest LT nesting software for optimised production
- Customised for the use of HYPERTHERM plasma sources (option)
- High productivity, designed for multi-shift operation
- Extensive options for customised solutions



STANDARD EQUIPMENT

Table is prepared for filter system (automatic closure control), Panasonic servo-motors and drives, Automatic torch height control with Hypertherm THC sensor, Cutter torch with magnetic coupling and crash sensor, Hypertherm Edge Connect CNC Unit, 19" touchscreen by ELO, Ethercat-E, Laser pointer, ProNest LT

Additional options available upon request.



TECHNICAL SPECS

Cutting width	59 in
Cutting length	118 in
Table height	31 in
Table load capacity	205 lbs/ft ²
Rapid feed	591 in/min
Weight	5610 lbs

Plasma Cutting Machines Plasma-Jet Eco Compact 1530

Plasma cutting system for personal use providing high value at a lost cost

- Compact design
- With Powermax 105 plasma source
- Gear drives for X/Y movement
- Dual-drive bridge
- Integrated linear guide with preloaded ball screws for Z axis



STANDARD EQUIPMENT

Powermax 105 plasma source, ESA CNC control, Work table with vacuum connector and mechanic shutter control, Dual-drive bridge, Gear drives for X/Y movement, ESA servo drives, Integrated linear guide with preloaded ball screws for Z axis, Torch height control, Magnetic cutter head coupler, Grid nesting software, Operating manual and programming instructions

Additional options available upon request.



Plasma-Jet True Cut 1530K

KNUTH on YouTube Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**

Plasma Cutting Machines

Plasma-Jet AirPro Compact Series

Compact cutting systems suitable from small to large format sheets for the use of economical air plasma sources

- Compact design, fast setup
- For air plasma sources by Hypertherm
- EtherCAT technology for best CNC performance
- Professional Nesting Software solution included
- With vacuum table, also optional water cutting table



STANDARD EQUIPMENT

PULSER 3 CNC unit, 15" HMI with touchscreen, ProNest LT Essentials, Table is prepared for filter system (mechan. closure control), Automatic torch height control with THC sensor, Cutter torch with magnetic coupling and crash sensor, Laser pointer, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Cutting Width	41 - 61 in
Cutting length	61 - 120 in
Table height	20 in
Table load capacity	164 lbs/ft ²
Rapid feed	591 in/min
Weight	2420 - 3410 lbs

Consumables

for Plasma Cutting



High-grade wear parts for plasma cutting systems guarantee superior cut quality and reliability while maximizing tool life and reducing operating cost. KNUTH offers a wide selection of wear parts for a wide variety of Hypertherm and Kjellberg cutting systems.



for Laser Cutting



Fiber laser machines are known for their long service life and serve as virtually maintenance-free laser source. The fiber laser cutting head is made by the renowned manufacturer Raytools, who offers spare parts and wear parts in individual quantities or complete sets. Using these high-quality original replacement parts will result in excellent cut quality, long service life, and superior reliability of your machine. Use only original high-quality wear parts and replacement parts.



Why original wear parts are the better choice:

- ✓ Optimal cutting quality
- ✓ Low cutting meter costs
- ✓ Defect reduction
- ✓ High process reliability
- ✓ Long life

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A great cut: How the KNUTH Laser Jet adds to your grilling joy.

Schneider Grills is a family-owned grill manufacturer that uses the KNUTH LJ 2512 Laser Cutting System on a daily basis.



There is a wide variety of sizes and types of grills. The laser cutting system provides the necessary flexibility for quick prototype development, testing, and optimizing. Prototyping is the specialty of Mr. Naeher, an experienced employee of the German grill manufacturer Schneider Grills.

The business is known for robust products with carefully thought out details. Bernd Schneider learned about the tools of the trade in his father's metalworking operation, and he started building grills in his free time. In 1997, he turned his hobby into a business that now has 20 employees.

Schneider processes about 100 tons stainless steel sheets, tubes and round bars per year to produce the locally popular swivel grills and also classic wood-fired grills plus various grill accessories. "Grills for gastronomy customers and end users are our major business. But we

also manufacture rack and frame technology products for the furniture industry, mostly in small batch or single part productions," says Bernd Schneider.

Since 2017, he has been using a KNUTH Laser-Jet 2512 with a Fiber-Laser 2000 for their production. He saw the machine at the Euroblech Trade Show in Hannover, Germany, and after consultation with the KNUTH team, the excellent price-performance ratio convinced him. The fully functional entry-level model takes up less space while still providing travel distances up to 2500 mm. Focus tracking and capacitive height scanning ensure high cutting quality, and automatic cutting process guidance ensures optimum plunge-cuts as well as corner and radius cuts.

The system includes user-oriented operating software and an integrated technology database, which ensures that operators quickly can start production after a brief on-site training. Another plus: Since workpiece sheets are also vacuumed on top, cutting emissions are kept a minimum.

Schneider states that "still after seven years, we are very satisfied with this Laser-



The Multi Champ is the luxury model in Schneider's wood-fired grill series. The grill is made entirely of stainless steel.



Laser precision in every little detail

Jet. The machine is in use every day, and we can cut metal sheets exactly per drawing in a very short time." The previously used punching process was much more time-consuming and costly, and also rougher. With the old system, any modification required the production of a new tool. With this cutting system, the necessary modifications are merely entered at the computer and then implemented directly.

"With the Laser-Jet we can process more orders in less time, and we also can provide fine detail work with narrow landings. And this led to new customers," said Schneider. Schneider uses this system mainly to cut stainless steel sheets in thicknesses from 0.5 to 3 mm.

For this operation, accuracy is just as important as reliability. To ensure both, Schneider has the system serviced on a regular basis by KNUTH. "Every machine will need service at some point. With KNUTH, we have the assurance that we will be up and running again in no time," says Schneider when asked about his satisfaction with KNUTH's service.

20 years KNUTH Laser Cutting Machines

KNUTH supplies manufacturers with laser cutting systems since 2004. The machines of the latest ACE Laser series set new standards in our portfolio.

While the ACE Laser Compact with a 1300x1300 mm work area and 2000 W laser power is perfect for single parts and small batch productions with thin sheet metals, the ACE Laser R series covers all requirements of advanced production machines.

An automatic changer table system minimizes down-times by allowing simultaneous loading and unloading of the table during the cutting process. Laser beam powers up to 20,000 W are available upon request.

Additionally, KNUTH offers the complete cutting package with filtered vacuum exhaust, including full service from assembly, start-up to regular maintenance.

to the complete
user report



Presses



Hydraulic Presses

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Workshop Presses

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Hydraulic Presses



The wide range of applications of a hydraulic press is reflected in its variety of designs and functions. With the right tools, a hydraulic press can be used in bushings as well as in embossing, deep-drawing, cutting, punching, and forming processes. The designs range from open, easy-to-load frames with low rigidity to the particularly rigid 4 column hydraulic press with high press force. KNUTH offers these as well as hydraulic C-frame press, hydraulic H-frame press and compact, horizontal hydraulic straightening press systems.

Hydraulic Presses HPK A Series

C-form press in compact design, the perfect solution for punching, forming and drawing

- Classic design with c-frame
- Completely built in Europe for high reliability
- Designed for testing or batch production
- Possibility of Industry 4.0 integration
- Customized solution available



STANDARD EQUIPMENT

Two-hand control panel, Adjustable limit stops, Pressure gauge, Ram plate with 2 guides and t-slots, Automatic operation, Automatic return stroke, Siemens PLC, 2-step hydraulic pump with automatic change-over, Pressure switch, Operating time timer, Operator manual

Additional options available upon request.

Hydraulic Presses KP A Series

Compact double-column press for punching, forming and drawing with large tools

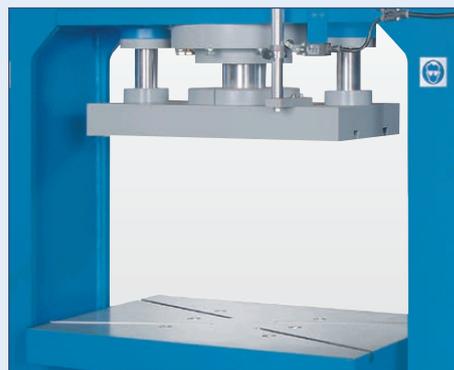
- Made in Europe
- For test and series production
- Multi-shift operation possible
- Industry 4.0 integration possible
- Customised solutions on request



STANDARD EQUIPMENT

Two-hand control panel, Adjustable limit stops, Pressure gauge, Ram plate with 2 guides and t-slots, Automatic operation, Automatic return stroke, Siemens PLC, 2-step hydraulic pump with automatic change-over, Pressure switch, Operating time timer, Operator manual

Additional options available upon request.



TECHNICAL SPECS

Pressure force	44 - 330 t
Table dimensions	28 x 20 - 47 x 31 in
Stroke	19,7 in
Stroke speed	0,08 in/s
Motor rating	5.4 - 10.1 Hp
Weight	3300 - 24640 lbs



TECHNICAL SPECS

Pressure force	77 - 330 t
Table dimensions	31 x 20 - 55 x 39 in
Stroke	19.7 in
Stroke speed	0.08 - 0.2 in/s
Weight	3190 - 15840 lbs

Workshop Presses



Workshop presses are part of the basic equipment of every repair workshop, for pressing bearings and shafts or for general assembly and straightening works. The welded, double H-shaped frame has a height-adjustable support. The workpieces are positioned in customized fixtures under the hydraulic cylinder. KNUTH offers workshop presses with different working widths, as well as manually and motor-driven hydraulic systems with different pressure capacities.



Workshop Presses KNWP H Series

Hydraulic, with horizontal piston travel and a set of prismatic blocks

- Motorized hydraulic drive
- Horizontal piston travel
- Adjustable table height
- Set of prismatic blocks



TECHNICAL SPECS

Working width	33 - 61 in
Pressure force	66 - 220 t
Stroke	15.7 in
Press speed	0.21 - 0.31 in/s
Motor rating hydraulic pump	4 - 10.1 Hp
Weight	1540 - 5720 lbs

STANDARD EQUIPMENT

Traversing work cylinder, Height-adjustable work table, V-blocks, Pressure gauge, Operator manual

Additional options available upon request.



KNWP H 100

KNUTH on YouTube Information to the point

You can find videos for most machines on our YouTube channel. We show the machines from current deliveries, and you get an impression of the handling, processing quality, and machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**

Workshop Presses KNWP M Series

Manual, ideal for craft shops, schools and training facilities

- High quality
- Made in Europe
- With hand and foot control
- Adjustable table height
- Material support included



TECHNICAL SPECS

Pressure force	16.5 - 55 t
Operating pressure (max.)	5431.7 - 5792.75 psi
Total piston stroke	6.3 in
Throat width	22 - 30 in
Hydraulic tank volume	0.44 gal
Weight	257 - 550 lbs

Additional options available upon request.

Workshop Presses 1-5 T Series

Versatile arbor press with adjustable rod and bench mounting holes

- Compact design
- Heavy one piece casting design
- For a wide range of applications



TECHNICAL SPECS

Press force	5 - 20 kN
Throat	4 - 9 in
Work piece thickness (max.)	6 - 16 in
Ram dimensions	1 x 1 x 10.5 - 2 x 2 x 25.4 in
Weight	37 - 359 lbs

Additional options available upon request.

KNUTH on YouTube Information to the point

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**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**



KNWP 50 M

Sheet Metal Work



Sheet Metal Press Brakes

AHK V CNC Series

NEW

CNC-controlled die bending machine for series production with extensive standard equipment and great customization potential

- Superior machining quality
- Premium hydraulic and electronic components
- Modern DELEM graphical touchscreen
- Laser optical safety system at the tool
- Time-saving detailing solutions



STANDARD EQUIPMENT

Delem 53 T 2D touch control, X axis back gauge with linear guide and preloaded ball screw, motorized crowning (optional on AHK V 13040 CNC), quick-action clamping male die, AKAS Laser optical safety system, light barrier, European tool mount, european type male die (33.7" segmented), EUROPEAN TYPE female die 4V H: 2.4x2.4", foot pedal with emergency stop switch, 2 Front support arms / shifttable, 2 height-adjustable Back-gauge fingers, ECO Mode energy saving function, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Pressure force	44 - 440 t
Brake length	51 - 161 in
Distance between columns	43 - 142 in
Stroke	8.3 - 12.2 in
Motor rating main drive	7.4 - 49.6 Hp
Weight	8800 - 44000 lbs

Control

Delem 53 T 2D

4-axis CNC control with color touchscreen for press brakes

- The DA-53T Touch CNC is a modern, versatile solution for a wide range of press brake applications, featuring a compact design without compromising functionality.
- The controls of this series feature a graphic touchscreen monitor by Delem for easy CNC programming.
- The new compact DA-53T is a highly advanced complete touchscreen control solution for synchronized press brakes.
- This control panel can handle up to 4 axes and can be mounted either in a control cabinet or in an optional swivel arm-mounted enclosure.
- The 10.1" Multi-Touch Color TFT screen features high resolution and provides access to the proven Delem user interface.



Press Brakes

AHK M NC Series

Compact NC bending solution with X and R axis and extensive standard equipment as an excellent alternative to CNC machines

- Stress-relieved welded steel construction
- Top beam with torsion shaft
- NC control with touch-screen HMI
- Back gauge with X and R axes
- European-style male die



STANDARD EQUIPMENT

Weintek 7" NC-control, Motorized backgauge X-axis, Motorized backgauge R-axis, European type bottom tool 4V, Upper tool H European style H = 2.6" (segmented), Laser optical safety system, Light curtain, Front support arms (2 ea), Foot pedal with emergency stop switch, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Pressure force	33 - 66 t
Brake length	49 - 83 in
Distance between columns	40 - 67 in
Stroke	5.9 - 6.3 in
Motor rating main drive	4 - 10.1 Hp
Weight	3740 - 9548 lbs

Guillotine Shears KHT V CNC Series

NEW



Guided guillotine shear with high cutting performance, adjustable cutting angle and proven Cybelec CNC control system

- Cybelec Touch 8 control
- Controlled back gauge with preloaded ball screw
- Controlled kerf adjustment
- Controlled cutting angle adjustment
- Knife suitable for stainless steel



TECHNICAL SPECS

Working length	120 - 161 in
Cutting angle	0.5 - 2 deg
Plate thickness (max.) - 450 N/mm ²	0.236 - 0.787 in
Plate thickness(max.) - 700 N/mm ²	0.157 - 0.512 in
Motor rating main drive	14.8 - 60.3 Hp
Weight	17160 - 61600 lbs

STANDARD EQUIPMENT

Cybelec Touch 8 G controller, Energy saving function ECO mode, CNC controlled blade gap adjustment, motorized back-gauge, shadow graph display of cut line, material support table with rollers, support arms, lateral stop, foot switch with emergency stop switch, finger guard, safety system for work area, back gauging, Knife for stainless steel sheets, Operator instructions

Additional options available upon request.

Control Cybelec Touch 8 G



- CybTouch 8 G is a powerful control that perfectly complements premium plate shears
- Like all CybTouch products, this control features a user-friendly design allowing users to get started quickly
- The intuitive HMI shows only the required information and supports a high degree of automation, while it is extremely easy to operate
- High-contrast touchscreen with vivid colors
- Simple page layout, large buttons, and an organized display that shows all the information the operator needs
- Intuitive and user-friendly interface
- Quick machine set-up via the EasyCut page
- Context-sensitive help and warning popups

Guillotine Shears KHT M NC Series



Rigid swing beam construction with plate hold-up feature and NC control for the back gauge

- Estun E21 NC control
- Back gauge with preloaded ball screws gauge
- Pneumatic plate hold-up feature
- Cutter also suitable for stainless steel
- Adjustable angular stop



TECHNICAL SPECS

Working length	79 - 157 in
Plate thickness (max.) - 450 N/mm ²	0.236 - 0.472 in
Plate thickness(max.) - 700 N/mm ²	0.157 - 0.315 in
Cutting angle	1.5 deg
Motor rating main drive	10.1 - 24.8 Hp
Weight	9900 - 29040 lbs

STANDARD EQUIPMENT

NC control Estun E21S, Pneumatic sheet support, Controlled backgauge, Shadow light cutting line, Support arms, Foot pedal with emergency stop switch, Manual kerf adjustment, Full length finger guard, Safety system for back working area, Knife for stainless steel sheets, Adjustable angular stop, Operating tools, Operator instructions

Additional options available upon request.

Guillotine Shears KMT RNC Series

NEW

Sliding block guided motorized plate shears with NC-controlled back gauge

- Solid steel weldment with sliding block guide
- NC-controlled back gauge can be easily programmed
- Automatic, semi-automatic, and manual modes
- Cutter for stainless steel machining included
- Reversible cutters with multiple cutting surfaces
- Adjustable kerf
- Return-to-Sender function



STANDARD EQUIPMENT

BRL NC controller, cut counter, cut-line lighting, finger guard, light curtain, upper cutter with 2 cutting edges / Lower cutter with 4 cutting edges, foot switch with emergency stop switch, lateral stop with scale and T-slots, support arms, Motorized rear stop (29 inch), manual kerf adjustment, manual Return-to-Sender function, table with material support rollers, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Working length	61 - 120 in
Plate thickness (max.) - 450 N/mm ²	0.157 - 0.197 in
Plate thickness(max.) - 700 N/mm ²	0.079 - 0.098 in
Cutting angle	1.3 - 2 deg
Motor rating main drive	10.1 - 14.8 Hp
Weight	5500 - 8800 lbs

Guillotine Shears KMT M Series

NEW

Sliding-block guided motorized plate shears with manually adjustable controlled back gauge

- Solid steel weldment with sliding block guide
- Cutters for stainless steel cutting are included
- Reversible cutters with multiple cutting surfaces
- Manual back gauge with travel display
- Work area secured by light curtain



STANDARD EQUIPMENT

Manual back gauge 29.5", cut counter, cut-line lighting, finger guard, light curtain, upper cutter with 2 cutting edges / Lower cutter with 4 cutting edges, foot switch with emergency stop switch, lateral stop with scale and T-slots, support arms, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Working length	54 - 81 in
Plate thickness (max.) - 450 N/mm ²	0.118 in
Plate thickness(max.) - 700 N/mm ²	0.059 in
Cutting angle	1.3 - 2 deg
Motor rating main drive	4 - 5.4 Hp
Weight	2750 - 3850 lbs

Guillotine Shears KMT B Series

Simple, robust motorised guillotine shears with manual backgauge

- Solid steel weldment
- Rugged long support arms
- Mobile control unit with foot switch
- Manual back gauge with counter (back-of-machine operation)



STANDARD EQUIPMENT

Foot pedal with emergency stop switch, Side angle stop, Support arms, Automatic hold-down, Cut-line lighting, Manual rear stop, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Plate thickness (max.) - 450 N/mm ²	0.031 - 0.079 - 0.031 - 0.157 in
Working length	49 - 81 in
Cutting angle	2 - 2.4 deg
Rear stop	25 in
Motor rating main drive	4 - 5.4 Hp
Weight	1870 - 3344 lbs

Guillotine Shears KHS E 1000



Manual guillotine shears for precise cutting of thin plates, large support table and adjustable length stop

- Adjustable table stop
- Manually adjustable back-gauge
- Hardened cutters
- Counterweight to improve operator comfort



TECHNICAL SPECS

Plate thickness (max.) - 450 N/mm ²	0.059 in
Working length	41 in
Rear stop	0 - 23 in
Table dimensions	24 x 43 in
Overall dimensions (l x w x h)	86 x 56 x 53 in
Weight	1012 lbs

STANDARD EQUIPMENT

Operator manual, Linear stop

Additional options available upon request.

Folding Machines SBS E Series



Heavy manual folding machine with segmented upper tool and manual crowning for large working length requirements

- Large bending lengths
- Segmented upper tool for increased bending possibilities
- Built-in manual bending compensation
- Adjustable angle stop
- Easy to use



TECHNICAL SPECS

Working length	80 - 119 in
Working height	36 in
Plate thickness (max.) - 400 N/mm ²	0.047 in
Stroke	4.7 in
Bending angle (max.)	135 deg
Weight	2255 - 3047 lbs

STANDARD EQUIPMENT

Segmented male die, Operator manual

Additional options available upon request.

Folding Machines SBS 1020 • 1270 Series



Compact manual swivel bending machine with segmented upper tool

- Compact and torsion-proof
- Segmented male die for many bending possibilities
- Built-in, manual bending compensation
- Adjustable angle stop for batch production
- Foot switch for top tool clamping for hands-free use



TECHNICAL SPECS

Working length	40 - 50 in
Plate thickness (max.) - 400 N/mm ²	0.079 - 0.098 in
Bending bar angle (range)	135°
Weight	627 - 726 lbs

STANDARD EQUIPMENT

Segmented male die, Operator manual

Additional options available upon request.

Plate Rolling Machines KRM T Series

Motor-driven rollers in asymmetrical arrangement with manual back roller adjustment for machining thin and medium plates

- Asymmetrical structure
- Main motor with braking
- Hardened rollers with wire insertion grooves
- Conical bender
- Manual rear roller adjustment (optionally motor-driven)



STANDARD EQUIPMENT

Conical bending feature, Hardened rollers, Wire insertion groove, Emergency stop lanyard, Separate control panel with foot switch, Side enclosure, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Working length	41 - 81 in
Plate thickness (max.) - 450 N/mm ²	0.079 - 0.197 in
Roll diameter	4 - 6 in
Roller speed	9.81 - 11.45 fpm
Motor rating main drive	3 Hp
Weight	2178 - 3630 lbs

Plate Rolling Machines KRM AT Series

Motor-driven rollers in asymmetrical arrangement with manual back roller adjustment for machining fine and thin plates

- Asymmetrical structure
- Main motor with brakes
- Hardened rollers with wire insertion grooves
- Conical bender



STANDARD EQUIPMENT

Conical bending feature, Hardened rollers, Wire insertion groove, Emergency stop lanyard, Separate control panel with foot switch, Side enclosure, Operator instructions

Additional options available upon request.

TECHNICAL SPECS

Working length	41 - 61 in
Plate thickness (max.) - 450 N/mm ²	0.079 - 0.118 in
Roll diameter	4 in
Roller speed	19.62 fpm
Motor rating main drive	1.5 - 2 Hp
Weight	1056 - 1276 lbs

KNUTH on YouTube Information to the point

You can find videos for most machines on our YouTube channel. We show the machines from current deliveries, and you get an impression of the handling, processing quality, and machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**

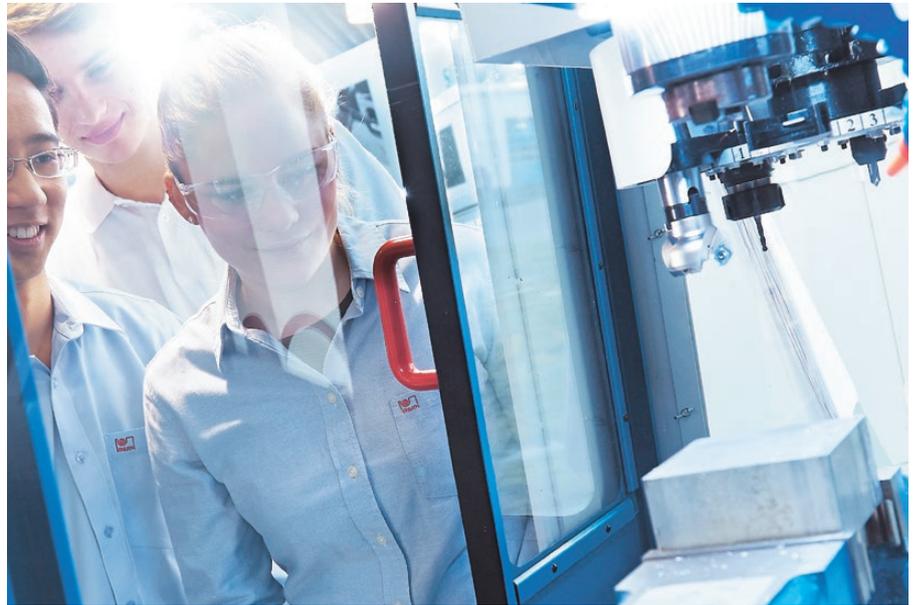


KRM AT 10/3,0

Hands-on learning on KNUTH machines with Siemens controls

For state certified and practical vocational training

The programming instructions with the simulation software of the Siemens 808 control are ideal for CNC beginners, students and apprentices who have completed their training on conventional lathes and milling machines and have a basic knowledge of CNC machining. KNUTH machine tools have a proven track record of decades of successful use at schools and universities worldwide.



TECHNICAL SPECS

Table dimensions	16 x 6 in
Travel X-axis	6.3 in
Spindle speed	80 - 5000 rpm
Spindle mount	SK 20 ISO 7388-1 (DIN 69871) -
Motor rating main drive	1,3 Hp
Weight	990 lbs

Vertical Machining Centers LabCenter 260 CNC

Compact mobile CNC milling machine with Siemens control and tool changer for training and model construction

- SIEMENS 808 Advance is the ideal introductory machine
- Preloaded ball screws on all axes
- Spindle speeds up to 5000 rpm
- 4-station tool changer
- Mobile machine base with storage space



STANDARD EQUIPMENT

Siemens 808D Advance control, Electronic hand-wheel, 4-station tool changer, Mobile base, Central lubrication, Work lamp, Operating tools, Operating manual and programming instructions

Additional options available upon request.



TECHNICAL SPECS

Workpiece length (max.)	11 in
Turning diameter over bed	8 in
Turning-Ø over support	4 in
Speed range	100 - 3000 rpm
Motor rating main drive	1,3 Hp
Weight	792 lbs

CNC Slant Bed Lathes LabTurn 2028 CNC

Compact mobile inclined-bed lathe with Siemens CNC control and tool turret for training and model construction

- Siemens 808 Advance is the ideal introductory machine
- Tool turret for inside and outside machining
- Linear guides and preloaded ball screws on all axes
- Enclosed machine housing
- Mobile machine base with ample storage space



STANDARD EQUIPMENT

Siemens 808D Advance control, Electronic hand-wheel, 8-station turret, Mobile base, Tailstock, 3-jaw chuck (4" diam.), Central lubrication, Work lamp, Operating tools, Operating manual and programming instructions

Additional options available upon request.



What should the ideal training machine for the skilled workers of tomorrow look like?

The demand for well-trained specialists is immense. At the same time, industry requirements have changed and traditional job profiles need to be adapted to modern production processes. This also applies to training and the machines used for it.

With our training machines for both conventional and CNC operations, we support the development of future-oriented training professions. For example, the TDE training center in Espenhain uses KNUTH machines to train cutting machine operators. They are mainly recruited by automotive suppliers.

„The KNUTH machines are handy, clearly laid out, easy to operate and equipped to meet the requirements of training. This is an ideal combination for training machines,“ says Daniel Müller, metal technology trainer at TDE.

A total of 200 trainees are currently learning 20 professions at TDE, 17 of which are in the industrial/technical field.

10 reasons for using KNUTH machines in training

- KNUTH machines are robust and reliable
- They enable intuitive learning without unnecessary hurdles
- They convey the basics and experience and enable the conventional implementation of the training task
- They are fully equipped to meet the training requirements
- They are easy to handle, clearly laid out and have operating elements that are clear in terms of function and operability
- They can be used for all standard set-up tasks
- They are up to date with the latest safety technology
- They are easy to maintain and easy to understand
- KNUTH CNC machines are equipped with a control system suitable for training purposes, which is widely used in the industry
- KNUTH machines come from a supplier with ISO certificates, good operating instructions and services as well as fast spare parts supply



Visit KNUTH Machine Tools!

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We present the whole world of metalworking - from machining and forming through to cutting.



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Technical Phone Support

We have developed a system that assures a call back during regular business hours from one of our service engineers, provided at no charge for the lifetime of your machine - guaranteed.

Spare Parts

At our centrally located facility near Chicago, IL we offer more than 6,000 parts that can be shipped the same day. Additionally, our internal global KNUTH spare parts network allows us to access more than 35,000 parts that are ready to ship within 48 hours - guaranteed.

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