

# 2024

BEST OF 2024

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## HIGH-QUALITY MACHINE TOOLS FIRST-CLASS SERVICE



### Service without compromise

#### We ensure that your production runs smoothly

Our one-stop service by our qualified staff: fast and professional.

A network of suppliers for spare and wear parts and our main warehouse at our headquarters in Wasbek also guarantee high availability.

All information on our service packages can be found on our website [www.knuth.com](http://www.knuth.com)



### KNUTH Machines LIVE

See for yourself

Test together with professionals and convince yourself of the quality and advantages of our machines. Nothing is more convincing than your own experience.

#### Make a demonstration appointment!

[info@knuth.de](mailto:info@knuth.de) +49 4321 - 609-0



### KNUTH Machines in Action

Look us up on YouTube to experience our machines in action before the real-life test on site.

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



## CNC TURNING

- Roturn C Series 4
- LabTurn 2028 CNC 4

## TURNING

- Servoturn Series 4
- Sinus D Series 5
- Turnado Pro Series 5
- Turnado V Series 5
- Turnado Series 6
- V-Turn Series 6
- Basic 180 V 6
- Basic 170 Super Pro 7
- Basic 170 Super 7
- Basic Plus 7

## CNC MILLING

- VECTOR 1200 M Si 8
- X.mill T Series 8
- X.mill 400 (BT40) 8

## MILLING

- Series 9
- Servomill® 700 9
- KB 2100 10
- UWF 5 10
- UWF 3.2 10
- UWF 1.1 11
- MF 5 VP 11
- MF 1 P 11
- VHF 3.2 12
- VHF 3 12
- VHF 2.2 12
- VHF 1.1 13
- Mark Super Series 13
- SBF 40 TV 1000 13



## DRILLING

- R-VT Series 14
- R-V Series 14
- KSR 50 VT 15
- SSB F 60 Super VT PRO 15
- SSB F Super VT Series 15
- SSB Xn Series 16
- TSB Series 16

## SAWING

- ABS 330 TNC 17
- ABS NC Series 17
- ABS L Series 18
- HB 320 BS 18
- HB 280 BE 18
- HB 280 B 19
- HB L Series 19
- SBS Series 19
- VB-A Series 20
- KKS T Series 20
- KAS 400 P 20

## GRINDING

- HFS F Advance Series 21
- HFS NC Series 21
- FSM 480 21
- RSM C Series 22
- RSM A Series 22
- Multi Grind 23
- B-D Series 23
- DSB D Series 23



## EDM

- ZNC-EDM Series 24

## PRESSING

- KNWP 200 HM 24
- KNWP H Series 24

## SHEET METAL WORK

- AHK M NC Series 25
- KHT M NC Series 25
- KMT B NC Series 26
- KMT B Series 26
- KRM ST Series 26
- KRM T Series 27
- KR T Series 27



#### TECHNICAL SPECS

|                           |                 |
|---------------------------|-----------------|
| Workpiece length (max.)   | 430 mm          |
| Turning diameter over bed | 400 mm          |
| Speed range               | 50 - 3000 1/min |
| Main motor rating         | 15 / 11 kW      |
| Weight                    | 3340 kg         |

## CNC Slant Bed Lathes Roturn 400 C

Price:  
**55.900€**

Compact CNC lathe for series production with Siemens CNC control and tailstock

- 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, Closed work space, LED work lamp, Coolant system, Air gun, Coolant system flush gun, Operating tools, Operator manual

Additional options available upon request.



#### TECHNICAL SPECS

|                           |                  |
|---------------------------|------------------|
| Workpiece length (max.)   | 280 mm           |
| Turning diameter over bed | 200 mm           |
| Turning-Ø over support    | 90 mm            |
| Speed range               | 100 - 3000 1/min |
| Motor rating main drive   | 1 kW             |
| Weight                    | 360 kg           |

## CNC Slant Bed Lathes LabTurn 2028 CNC

Price:  
**24.500€**

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

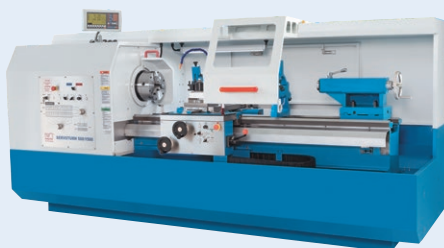
- Siemens 808 Advance is the ideal introductory machine
- Tool turret for inside and outside machining
- Linear guides and preloaded ball screws on all axes
- Enclosed machine housing
- Mobile machine base with ample storage space



#### STANDARD EQUIPMENT

Siemens 808D Advance control, Electronic hand-wheel, 8-station turret, Mobile base, Tailstock, 3-jaw chuck Ø 100 mm, Central lubrication, Work lamp, Operating tools, Operating manual and programming instructions

Additional options available upon request.



#### TECHNICAL SPECS

|                           |                |
|---------------------------|----------------|
| Center width              | 950 - 1950 mm  |
| Turning diameter over bed | 500 mm         |
| Turning-Ø over support    | 300 mm         |
| Motor rating main drive   | 6 - 9 kW       |
| Weight                    | 2850 - 3450 kg |

## Conventional Horizontal Lathes Servoturn Series

Starting at:  
**34.700€**

High efficiency conventional turning solution with the precision and dynamics of modern CNC machines

- Servo-feed system
- Preloaded ball screws on all axes
- Electronic hand-wheels
- Position indicator with V-constant feature
- Quick change tool holder



#### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, 3-jaw chuck Ø 250 mm, Electronic hand-wheels, Steady rest, Follow rest, Coolant system, Fixed splash guard (wall), Traveling cover for the toolpost, Work lamp, Operating tools, Operator instructions

Additional options available upon request.



## Conventional Horizontal Lathes Sinus D Series

Starting at:  
**32.500€**

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

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



### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, 3-jaw chuck Ø 315 mm, 4-jaw face plate chuck Ø 400 mm, Dog plate, Fixed splash guard (wall), Coolant system, Steady and follow rests, Taper turning unit, Chuck guard, LED Work light, Reducing sleeve, Dead center, Toolbox with operating tools, Operator instructions, Rapid feed on Z and X axes

Additional options available upon request.

## Conventional Horizontal Lathes Turnado 280/1500 PRO

Price:  
**30.900€**

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
- Apron with rapid feed motor
- Extensive standard equipment
- Constant cutting speed



### STANDARD EQUIPMENT

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

Additional options available upon request.

## Conventional Horizontal Lathes Turnado 230/1000 V const

Price:  
**23.900€**

Our classic with powerful, infinitely variable drive, constant cutting speed in proven heavy-duty design for long-lasting precision and reliability

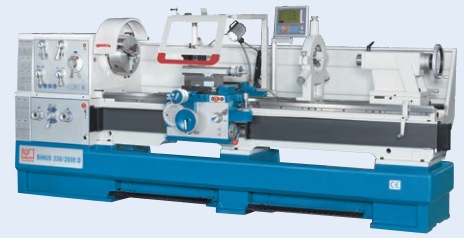
- Infinitely variable adjustable rotation range
- Classic design with rigid construction = built to last
- One-piece heavy-duty cast-iron bed for increased rigidity
- 3-axis position indicator with multiple turning functions
- Adjustable longitudinal stops with automated feed shut-off



### STANDARD EQUIPMENT

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

Additional options available upon request.



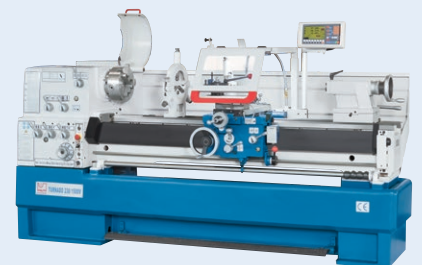
### TECHNICAL SPECS

|                           |                 |
|---------------------------|-----------------|
| Workpiece length (max.)   | 1500 - 3000 mm  |
| Turning diameter over bed | 660 - 800 mm    |
| Turning-Ø over support    | 440 - 570 mm    |
| Spindle speed             | 25 - 1600 1/min |
| Motor rating main drive   | 7,5 kW          |
| Weight                    | 2800 - 3870 kg  |



### TECHNICAL SPECS

|                         |                  |
|-------------------------|------------------|
| Center width            | 1500 mm          |
| Turning-Ør over bed     | 560 mm           |
| Turning-Ø over support  | 355 mm           |
| Speed range, low        | 25 - 200 1/min   |
| Speed range, high       | 200 - 1600 1/min |
| Motor rating main drive | 7,5 kW           |
| Weight                  | 1720 - 2370 kg   |



### TECHNICAL SPECS

|                         |                             |
|-------------------------|-----------------------------|
| Workpiece length (max.) | 1000 mm                     |
| Turning-Ør over bed     | 460 mm                      |
| Turning-Ø over support  | 224 mm                      |
| Spindle speeds          | L 30-600 / H 600-3000 1/min |
| Motor rating main drive | 7,5 kW                      |
| Weight                  | 1720 kg                     |



## Conventional Horizontal Lathes Turnado 230/1000

Price:  
**18.900€**

Proven classic with extensive standard equipment and powerful motor

- Classic design with sturdy construction
- One-piece heavy casted 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.) | 1000 mm               |
| Turning-Ør over bed     | 460 mm                |
| Turning-Ø over support  | 224 mm                |
| Spindle speeds          | (12) 25 - 2,000 1/min |
| Motor rating main drive | 5,5 kW                |
| Weight                  | 1720 kg               |

Other machines in this series → [www.knuth.com](http://www.knuth.com)

### 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 Lathes V-Turn Series

Starting at:  
**18.900€**

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 bearing from world-leading manufacturer NSK



### TECHNICAL SPECS

|                           |                  |
|---------------------------|------------------|
| Center width              | 1000 - 1500 mm   |
| Turning diameter over bed | 380 mm           |
| Speed range, high         | 550 - 3000 1/min |
| Speed range, low          | 30 - 550 1/min   |
| Motor rating main drive   | 5,5 kW           |
| Weight                    | 1200 - 1800 kg   |

### STANDARD EQUIPMENT

3-axis position indicator, X.pos 3.2 VC, 4-jaw face plate chuck Ø 250 mm, Face plate Ø 350 mm, 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

Price:  
**14.900€**

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



### TECHNICAL SPECS

|                           |                  |
|---------------------------|------------------|
| Center width              | 1000 mm          |
| Turning diameter over bed | 356 mm           |
| Speed range, high         | 550 - 3000 1/min |
| Speed range, low          | 30 - 550 1/min   |
| Motor rating main drive   | 4 kW             |
| Weight                    | 880 kg           |

### 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 200 mm, Face plate Ø 320 mm, 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 170 Super Pro

Price:  
**10.700€**

Top model of the mechanic's lathes, perfect for workshop and training with complete equipment and modern ergonomics.

- Modern ergonomic design
- Large spindle bore
- Machine base with storage space
- Extensive standard equipment
- Coolant system



### 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 178 mm, 4-jaw face plate chuck Ø 200 mm, Face plate Ø 280 mm, Steady and follow rests, Coolant system, Micrometer stop, Reducing sleeve, Dead center, Traveling cover for the toolpost, Fixed stainless steel safety cover for tension and lead screw, 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              | 1000 mm         |
| Turning diameter over bed | 360 mm          |
| Spindle speed             | 70 - 2000 1/min |
| Motor rating main drive   | 1,5 kW          |
| Weight                    | 650 kg          |

## Conventional Horizontal Lathes Basic 170 Super

Price:  
**8.390€**

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 160 mm, 4-jaw face plate chuck Ø 200 mm, Face plate Ø 280 mm, 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              | 1000 mm         |
| Turning diameter over bed | 330 mm          |
| Spindle speed             | 70 - 2000 1/min |
| Motor rating main drive   | 1,5 kW          |
| Weight                    | 520 kg          |

## Conventional Horizontal Lathes Basic Plus

Price:  
**7.290€**

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 160 mm, 4-jaw face plate chuck Ø 200 mm, Face plate Ø 250 mm, 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              | 810 mm          |
| Turning diameter over bed | 300 mm          |
| Turning-Ø over support    | 178 mm          |
| Spindle speed             | 60 - 1550 1/min |
| Motor rating main drive   | 1,1 kW          |
| Weight                    | 520 kg          |



## Vertical Machining Centers **VECTOR 1200 M SI**

Price:  
**114.900€**

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

- Available with Siemens or Heidenhain controller
- 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



### TECHNICAL SPECS

|                             |                                      |
|-----------------------------|--------------------------------------|
| Table dimensions            | 1300 x 600 mm                        |
| Travel X-axis               | 1220 mm                              |
| Spindle speed               | 10000 1/min                          |
| Spindle mount               | BT 40 - SK 40 ISO 7388-1 (DIN 69871) |
| Main drive, continuous load | 12 kW                                |
| Weight                      | 6500 kg                              |

### STANDARD EQUIPMENT

Siemens 828D control with Shopmill, Coolant through spindle 30 bar with double filter, 24-station tool changer with dual-arm, Spindle oil cooler, Chain-type conveyor with chip container, Electronic hand-wheel, Oil skimmer, Automatic central lubrication, Coolant system flush gun, Chip wash 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, Preparation for Renishaw TS 27 R

Additional options available upon request.



## Vertical Machining Centers **X.mill T 1000 Si**

Price:  
**69.900€**

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



### TECHNICAL SPECS

|                         |                              |
|-------------------------|------------------------------|
| Table dimensions        | 1100 x 550 mm                |
| Travel X-axis           | 1000 mm                      |
| Spindle speed           | 10000 1/min                  |
| Spindle mount           | SK 40 ISO 7388-1 (DIN 69871) |
| Motor rating main drive | 9 kW                         |
| Weight                  | 4600 kg                      |

### STANDARD EQUIPMENT

Shield-type 20-station tool changer ST40, Screw-type chip conveyor with bucket, Ridgid 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, Leveling bolts and blocks, Preparation for Renishaw TS 27 R

Additional options available upon request.



## Vertical Machining Centers **X.mill 400 (BT40)**

Price:  
**36.900€**

Excellent entry level vertical machining center for training or educational purposes.

- Compact design with small footprint
- Built to last robust machine body
- Oil cooled powerful main spindle
- Air-conditioned electrical cabinet



### TECHNICAL SPECS

|                         |                     |
|-------------------------|---------------------|
| Table dimensions        | 600 x 300 mm        |
| Travel X-axis           | 400 mm              |
| Spindle speed           | 8000 1/min          |
| Spindle mount           | BT 40 JIS (MAS 403) |
| Motor rating main drive | 3,7 kW              |
| Weight                  | 2200 kg             |

### STANDARD EQUIPMENT

Work lamp, Automatic central lubrication, Operating tools, Operator instructions, Electronic hand-wheel, Enclosure, Coolant system, Air gun, levelling pads and bolts, Siemens 808D Advance control, Operational health status indicator, 12-station automatic tool changer

Additional options available upon request.



## Conventional Vertical Milling Machines **Servomill® UWF Series**

Starting at:  
**62.900€**

Heavy-duty servo-conventional knee milling machine with HURON-type universal cutter head, large work table and advanced functions

- Large work area and high drive capacity
- Servo-conventional feed technology
- Preloaded ball screws on all axes
- Electronic hand-wheels
- Universal cutter head with 2 swivel axes



### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Electronic hand-wheels, LED work lamp, Central lubrication, Coolant system, Operating tools, Operator manual

Additional options available upon request.



### TECHNICAL SPECS

|                  |                                  |
|------------------|----------------------------------|
| Table dimensions | 1600 x 500 mm -<br>2000 x 500 mm |
| Travel X-axis    | 1200 - 1400 mm                   |
| Speed range (2)  | 30-390 /<br>390-2050 1/min       |
| Spindle mount    | SK 50 DIN 2080                   |
| Weight           | 4500 - 5000 kg                   |

## Conventional Vertical Milling Machines **Servomill® 700**

Price:  
**39.900€**

Servo-conventional model with vertical milling head, swiveling top beam and advanced functions

- Swiveling cutter head with quill feed
- Pneumatic tool tightening system
- Infinitely variable spindle speed
- Servo-conventional feed technology
- Preloaded ball screws for all axes
- Electronic hand-wheels



### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Electronic hand-wheels, Pneumatic tool clamping, Chip tray, LED work lamp, Coolant system, Central lubrication, Horizontal guideway cover, Operating tools, Operator instructions

Additional options available upon request.



### TECHNICAL SPECS

|   |                 |
|---|-----------------|
| Table set up area                                   | 1370 x 300 mm   |
| Travel X-axis                                       | 680 mm          |
| Spindle mount                                       | SK 40 DIN 2080  |
| Speed range (infinitely variable, back gear ranges) | 50 - 4000 1/min |
| Weight  | 1800 kg         |

## 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!**



Servomill® UWF 12



#### TECHNICAL SPECS

|                          |                 |
|--------------------------|-----------------|
| Table set up area        | 2100 x 500 mm   |
| Travel X-axis            | 1500 mm         |
| Spindle speed (vertical) | 35 - 1345 1/min |
| Spindle mount            | ISO 50          |
| Weight                   | 7300 kg         |

## Conventional Vertical Milling Machines KB 2100

Price:  
**81.900€**

Heavy-duty bed-type milling machine with universal milling head in Huron design for demanding cutting operations

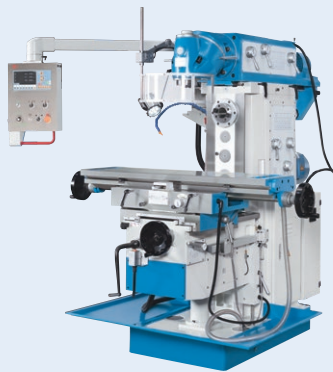
- Large work area
- Infinitely variable feed
- Universal cutter head with 2 swivel axes
- Horizontal milling with outer arbor support
- Extensive standard equipment



#### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Universal swivel head, Coolant system, Draw bar, 1 set- milling chuck set ISO 50 (4, 6, 8, 12, 16, 18, 22, 26mm), Cutter arbor ISO 50 Ø 40 mm, Horizontal arbor holder, Horizontal arbor Ø 32 mm, Work lamp, Operating tools, Foundation bolts M12 x 500 mm, Operator instructions

Additional options available upon request.



#### TECHNICAL SPECS

|                  |                 |
|------------------|-----------------|
| Table dimensions | 1325 x 360 mm   |
| Travel X-axis    | 750 mm          |
| Speed range      | 60 - 1750 1/min |
| Spindle mount    | SK 50 DIN 2080  |
| Weight           | 2850 kg         |

## Conventional Vertical Milling Machines UWF 5

Price:  
**27.900€**

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.

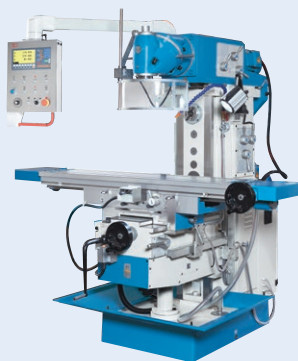
- Universal cutter head swivels on 2 levels
- Horizontal milling spindle with its own drive
- Swiveling milling table
- Automatic feed in all axes with rapid feed
- Extensive standard equipment



#### 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          | 1370 x 320 mm   |
| Travel X-axis              | 1000 mm         |
| Spindle mount              | SK 40 DIN 2080  |
| Spindle speed (vertical)   | 45 - 1660 1/min |
| Spindle speed (horizontal) | 35 - 1500 1/min |
| Motor rating horiz./ vert. | 3 kW            |
| Weight                     | 1950 kg         |

## Conventional Vertical Milling Machines UWF 3.2

Price:  
**23.900€**

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 (4,5,6,8,10,12,14,16 mm diam.), Horizontal arbor Ø 27 mm, 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.

## Conventional Vertical Milling Machines UWF 1.1

Price:  
**17.900€**

Featuring universal type milling head and automatic feed on X and Y axis

- Universal cutter head swivels on 2 levels
- Outer arbor support for cutter head during horizontal milling
- Servo-feed on X and Y axes
- Extensive standard equipment



### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Outer arbor support for horizontal milling, Milling chuck with collets 4,5,6,8,10,12,14,16 mm, Long cutter arbor  $\varnothing$  32 mm, Coolant system, LED work lamp, Operator instructions

Additional options available upon request.

### TECHNICAL SPECS

|                          |                 |
|--------------------------|-----------------|
| Table set up area        | 1120 x 260 mm   |
| X-axis travel            | 600 mm          |
| Spindle speed (vertical) | 45 - 1660 1/min |
| Spindle mount            | SK 40 DIN 2080  |
| Weight                   | 1480 kg         |

## Conventional Vertical Milling Machines MF 5 VP

Price:  
**16.900€**

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



### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Operating tools, Coolant system, Pneumatic tool clamping, Chip tray, Central lubrication, Horizontal guideway cover, Table feed TV 1000 on X- and Y-axis, Operator manual

Additional options available upon request.

### TECHNICAL SPECS

|                          |                 |
|--------------------------|-----------------|
| Table set up area        | 1370 x 250 mm   |
| Travel X-axis            | 800 mm          |
| Spindle speed (vertical) | 70 - 3600 1/min |
| Spindle mount            | SK 40 DIN 2080  |
| Weight                   | 1590 kg         |

## Conventional Vertical Milling Machines MF 1 P

Price:  
**11.900€**

Ideal entry level milling machine featuring tilt and swivel head, and pneumatic tool clamping

- Swiveling tiltable cutter head with quill feed
- Pneumatic tool tightening system
- Cutter head swivels in 3 axes
- Rugged 16-position belt drive for main spindle rotation



### STANDARD EQUIPMENT

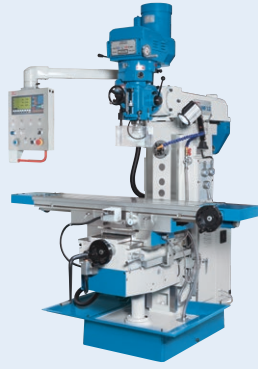
3-axis position indicator X.Pos 3.2, Operating tools, Coolant system, Pneumatic tool clamping, Vertical guideway cover, Central lubrication, LED work lamp, Operator manual

Additional options available upon request.

### TECHNICAL SPECS

|                   |                 |
|-------------------|-----------------|
| Table set up area | 1060 x 230 mm   |
| Travel X-axis     | 670 mm          |
| Spindle speeds    | 80 - 4500 1/min |
| Spindle mount     | SK 30 DIN 2080  |
| Weight            | 1100 kg         |





#### TECHNICAL SPECS

|                                     |                  |
|-------------------------------------|------------------|
| Table set up area                   | 1370 x 320 mm    |
| Travel X-axis                       | 1000 mm          |
| Spindle mount                       | SK 40 DIN 2080   |
| Spindle speed (infin. variable) (L) | 70 - 450 1/min   |
| Spindle speed (infin. variable) (H) | 450 - 3600 1/min |
| Spindle speeds                      | 35 - 1500 1/min  |
| Weight                              | 1950 kg          |

## Conventional Vertical Milling Machines VHF 3.2

Price:  
**24.900€**

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 27 mm

Additional options available upon request.



#### TECHNICAL SPECS

|                            |                 |
|----------------------------|-----------------|
| Table set up area          | 1320 x 320 mm   |
| Travel X-axis              | 1000 mm         |
| Spindle mount              | SK 40 DIN 2080  |
| Spindle speeds             | 90 - 2000 1/min |
| Spindle speeds             | 40 - 1300 1/min |
| Motor rating horiz./ vert. | 2,2 kW          |
| Weight                     | 1900 kg         |

## Conventional Vertical Milling Machines VHF 3

Price:  
**22.900€**

With swiveling vertical milling head, automatic feed in the X and Y axes and motorized table height adjustment, horizontal spindle and swivel table

- Solid construction for precision machining
- Automated work feeds on all axes to ensure best surface finish
- Swiveling vertical head ( $\pm 45^\circ$ ) for angle machining
- Automated quill feed for fast and accurate drilling
- New generation DRO with milling functions



#### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Drill chuck 16 mm, Cutter arbor Ø 27 mm, Cutter arbor Ø 40 mm, Collet chuck ISO 40 with collets Ø 4,5,6,8,10,12,14,16 mm, Reducing sleeve ISO 40 / MT3 and ISO 40 / MT2, Coolant system, Chip tray, Work lamp, Operating tools, Operator instructions

Additional options available upon request.



#### TECHNICAL SPECS

|                          |                  |
|--------------------------|------------------|
| Table set up area        | 1270 x 280 mm    |
| Travel X-axis            | 700 mm           |
| Spindle speed (vertical) | 115 - 1750 1/min |
| Spindle mount            | SK 40 DIN 2080   |
| Weight                   | 1400 kg          |

## Conventional Vertical Milling Machines VHF 2.2

Price:  
**15.900€**

Universal milling machine with swiveling cutter head, automated feed in X and Y axes, horizontal spindle and extensive standard equipment

- Tilting vertical milling head
- Automatic feed in X and Y axes
- Horizontal spindle with counter holder
- Extensive package of standard accessories



#### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, Coolant system, Work lamp, Operating tools, Operator instructions, M16 draw bar, Outer arbor support for horizontal milling, Chip tray, Cutter arbor Ø 27 mm

Additional options available upon request.

## Conventional Vertical Milling Machines VHF 1.1

Price:  
**11.900€**

Console milling machine with swiveling milling head, automatic feed in the X-axis, horizontal spindle and swivel table

- Universal cutter head with manual quill feed
- Horizontal milling spindle with its own drive
- Infinitely variable spindle speed
- Feed on X-axis
- Extensive standard equipment



### STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2, 2 long cutter arbors (Ø22,Ø27 mm), Drill chuck 16 mm, Reducing sleeve ISO 40 / MT3 and ISO 40 / MT2, Coolant system, Work lamp, Operating tools

Additional options available upon request.



### TECHNICAL SPECS

|                            |                  |
|----------------------------|------------------|
| Table set up area          | 1000 x 240 mm    |
| Travel X-axis              | 535 mm           |
| Spindle speed (vertical)   | 100 - 2000 1/min |
| Spindle mount              | SK 40 DIN 2080   |
| Spindle speed (horizontal) | 60 - 1350 1/min  |
| Weight                     | 1000 kg          |

## Conventional Vertical Milling Machines Mark Super Series

Starting at:  
**6.290€**

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 13 mm, Tool-holder bits, Operator manual

Additional options available upon request.



### TECHNICAL SPECS

|                               |              |
|-------------------------------|--------------|
| Table dimensions              | 800 x 240 mm |
| Drilling capacity in steel    | 25 - 32 mm   |
| Travel X-axis manual / autom. | 560 / 480 mm |
| Spindle mount                 | MT 4 DIN 228 |
| Main motor rating             | 1,5 kW       |
| Weight                        | 380 kg       |

## Conventional Vertical Milling Machines SBF 40 TV 1000

Price:  
**5.190€**

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 | 730 x 210 mm    |
| Travel X-axis     | 500 mm          |
| Spindle mount     | MT 4 DIN 228    |
| Speed range       | 75 - 3200 1/min |
| Main motor rating | 1,5 / 1,1 kW    |
| Weight            | 390 kg          |



#### TECHNICAL SPECS

|  |                 |
|--|-----------------|
| Drilling capacity                      | 60 mm           |
| Drilling depth (max.)                  | 315 mm          |
| Spindle nose-to-table surface distance | 350 - 1250 mm   |
| Speed range                            | 38 - 2000 1/min |
| Spindle mount                          | 5 MT            |
| Motor rating main drive                | 4 kW            |



#### TECHNICAL SPECS

|  |                 |
|--|-----------------|
| Drilling capacity                      | 40 mm           |
| Drilling depth (max.)                  | 260 mm          |
| Spindle nose-to-table surface distance | 300 - 1200 mm   |
| Speed range                            | 54 - 2150 1/min |
| Spindle mount                          | 4 MT            |
| Motor rating main drive                | 2,2 kW          |

Other machines in this series → [www.knuth.com](http://www.knuth.com)

## Radial Drilling Machines R 60 VT

Price:  
**30.900€**

Servo-conventional radial drilling machine with advanced functions and large touch screen

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



#### STANDARD EQUIPMENT

Touchscreen control panel, Servo motor for quill feed, Manual central lubrication, Coolant system, Work light, Height adjustable spindle cover, Operator instructions

Additional options available upon request.

## Radial Drilling Machines R 40 V

Price:  
**21.900€**

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.



R 60 VT

## KNUTH on YouTube Information to the point

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## Radial Drilling Machines

# KSR 50 VT

Price:  
**39.900€**

Fast smooth positioning of the drilling quill on 3 possible workstations, with servo quill feed and infinitely variable spindle speed, large touch-screen 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

Touch screen 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.



### TECHNICAL SPECS

|  |                 |
|--|-----------------|
| Drilling capacity                      | 50 mm           |
| Spindle nose-to-table surface distance | 760 mm          |
| Quill stroke                           | 200 mm          |
| Spindle mount                          | 4 MT            |
| Spindle speed (infin. variable)        | 50 - 2000 1/min |
| Motor rating main drive                | 3 kW            |

## Column Drilling Machines

# SSB F 60 Super VT PRO

Price:  
**16.900€**

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, Motorised table height adjustment, Accessory set for drilling, Coolant system, Protective shield, LED work lamp, Operator instructions

Additional options available upon request.



### TECHNICAL SPECS

|  |                            |
|--|----------------------------|
| Drilling capacity                      | 60 mm                      |
| Quill stroke                           | 200 mm                     |
| Spindle nose-to-table surface distance | 520 mm                     |
| Speed range                            | 50 - 316, 316 - 2000 1/min |
| Spindle mount                          | 5 MT                       |
| Motor rating main drive                | 4 kW                       |

## Column Drilling Machines

# SSB 50 F Super VT

Price:  
**13.500€**

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, Motorised table height adjustment, Accessory set for drilling, Coolant system, Protective shield, LED work lamp, Operator instructions

Additional options available upon request.



### TECHNICAL SPECS

|  |                 |
|--|-----------------|
| Drilling capacity                      | 50 mm           |
| Quill stroke                           | 200 mm          |
| Spindle nose-to-table surface distance | 575 mm          |
| Speed range                            | 50 - 2000 1/min |
| Spindle mount                          | 4 MT            |
| Motor rating main drive                | 3 kW            |



## Column Drilling Machines **SSB Xn Series**

Starting at:  
**6.190€**

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                      | 32 - 40 mm                            |
| Spindle nose-to-table surface distance | 610 - 630 mm                          |
| Quill stroke                           | 160 - 190 mm                          |
| Spindle mount                          | 4 MT                                  |
| Speed range                            | 75 - 2020 1/min -<br>125 - 3030 1/min |
| Motor rating main drive                | 1,2 - 1,5 kW                          |

### STANDARD EQUIPMENT

Thread cutting function, Accessory set for drilling, Coolant system, Protective shield, LED work lamp, Operator instructions

Additional options available upon request.



## Column Drilling Machines **TSB Series**

Starting at:  
**3.590€**

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

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



### TECHNICAL SPECS

|                               |  |
|-------------------------------|--|
| Drilling capacity             | 25 - 35 mm                             |
| Spindle nose-to-foot distance | 645 - 650 mm                           |
| Spindle speed                 | 125 - 2825 1/min -<br>125 - 3030 1/min |
| Spindle mount                 | 3 MT - 4 MT                            |
| Quill stroke                  | 110 - 155 mm                           |
| Motor rating main drive       | 0,75 - 1,2 kW                          |

### STANDARD EQUIPMENT

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

Additional options available upon request.



## KNUTH on YouTube Information to the point



SSB 32 Xn

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## Horizontal Mitre Cutting Bandsaws **ABS 330 TNC**

Price:  
**16.900€**

Sturdy swing frame design with manual angle adjustment and saw cycle programming on the touch screen

- Manual miter adjustment
- PLC with graphic touchscreen control panel
- 2-step drive motor
- Hydraulic workpiece clamping
- Feed/discharge roller table is standard equipment



### STANDARD EQUIPMENT

Chip brush, Feed roller table (3 meters), Hydraulic workpiece feed, Bimetallic band saw blade, Touch screen monitor, Coolant system, Operating tools, Operator manual, NC control for automatic band saws

Additional options available upon request.

### TECHNICAL SPECS

|                              |                |
|------------------------------|----------------|
| Cutting capacity 0° (round)  | 330 mm         |
| Cutting capacity 30° (round) | 310 mm         |
| Cutting capacity 45° (round) | 305 mm         |
| Main motor rating            | 1,5/2,2 kW     |
| Blade dimensions             | 3960x34x1,1 mm |
| Weight                       | 1520 kg        |

## Horizontal Mitre Cutting Bandsaws **ABS NC Series**

Starting at:  
**25.900€**

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 (2 meters), 1 saw blade, Touch screen 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)  | 300 - 400 mm                    |
| Cutting capacity 30° (round) | 280 - 400 mm                    |
| Cutting capacity 45° (round) | 220 - 350 mm                    |
| Motor rating main drive      | 3 - 4 kW                        |
| Blade dimensions             | 4430x34x1,1 mm - 5590x41x1,1 mm |
| Weight                       | 1900 - 2900 kg                  |

## KNUTH on YouTube Information to the point

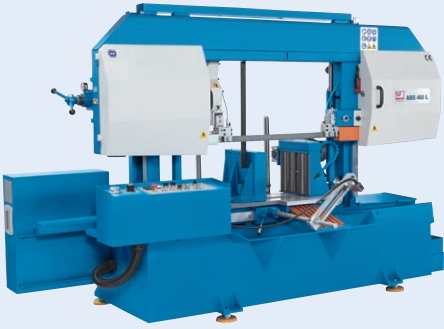
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ABS 300 NC





## Horizontal Straight Cutting Bandsaws ABS 460 L • 560 L

Starting at:  
**31.900€**

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 1.2 m (4 ft)



### TECHNICAL SPECS

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Cutting capacity 0° (round)       | 460 - 560 mm                       |
| Stop length                       | 500 mm                             |
| Cutting speed infinitely variable | 20 - 100 m/min                     |
| Blade dimensions                  | 5200x41x1,3 mm -<br>6000x41x1,3 mm |
| Motor rating main drive           | 4 kW                               |
| Weight                            | 1500 - 2100 kg                     |

### STANDARD EQUIPMENT

Saw-band, Workpiece counter, Band break control, Coolant system, Hydraulic clamping, Mechanical saw blade tensioning with hydraulic pressure gauge, Feed roller table 1,2 m, Linear stop, Operator instructions

Additional options available upon request.



## Horizontal Mitre Cutting Bandsaws HB 320 BS

Price:  
**17.800€**

Miter band saw with swivel frame and hydraulic machine vise

- Saw frame can swivel 45° for miter cutting
- Semi-automated operation
- Automated stroke height control with optical sensor
- Low machine and workpiece setup times



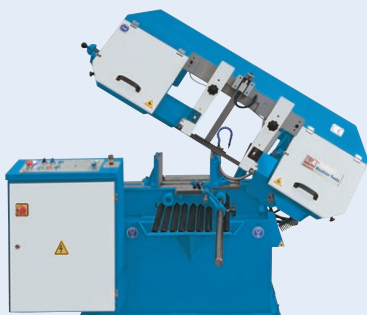
### TECHNICAL SPECS

|                              |                |
|------------------------------|----------------|
| Cutting capacity 0° (round)  | 320 mm         |
| Cutting capacity 45° (round) | 320 mm         |
| Cutting capacity 60° (round) | 260 mm         |
| Motor rating main drive      | 2,2 kW         |
| Blade dimensions             | 4160x34x1,1 mm |
| Weight                       | 1000 kg        |

### STANDARD EQUIPMENT

Hydraulic part clamping, Coolant system, Linear stop, Feed roller table 1,2 m, Operator manual

Additional options available upon request.



## Horizontal Mitre Cutting Bandsaws HB 280 BE

Price:  
**10.900€**

Semi-automatic band saw with hydraulic workpiece clamping

- Hydraulic workpiece clamping
- Miter cuts up to 45°
- Optical sensor for height adjustment
- Infinitely variable cutting speed



### TECHNICAL SPECS

|                              |                |
|------------------------------|----------------|
| Cutting capacity 0° (round)  | 280 mm         |
| Cutting capacity 45° (round) | 240 mm         |
| Blade dimensions             | 3400x27x0,9 mm |
| Motor rating main drive      | 1,5 kW         |
| Weight                       | 620 kg         |

### STANDARD EQUIPMENT

Hydraulic part clamping, Mechanical saw blade tensioning with hydraulic pressure gauge, Optical height adjustment, Automatic band break control, Linear stop, Coolant system, Saw-band, Saw blade cleaner brush, Operating tools, Operator instructions

Additional options available upon request.

## Horizontal Mitre Cutting Bandsaws HB 280 B

Price:  
**9.790€**

Entry-level model of the large workshop bandsaw with completely manual functions, swivelling vice and inverter-controlled band speed

- Infinitely variable hydraulic saw feed
- Infinitely variable belt speed
- Vice rotates 45° for miter cutting
- Built-in coolant system with chip tray



### STANDARD EQUIPMENT

Part clamping, Coolant system, Linear stop, Operator manual

Additional options available upon request.

### TECHNICAL SPECS

|                                   |                |
|-----------------------------------|----------------|
| Cutting capacity 0° (round)       | 280 mm         |
| Cutting capacity 45° (round)      | 240 mm         |
| Cutting speed infinitely variable | 20 - 100 m/min |
| Blade dimensions                  | 3400x27x0.9 mm |
| Motor rating main drive           | 1,5 kW         |
| Weight                            | 530 kg         |

## Horizontal Mitre Cutting Bandsaws HB L Series

Starting at:  
**22.900€**

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

- 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



Sawing

### STANDARD EQUIPMENT

Bimetallic band saw blade, Hydraulic part clamping, Automatic stroke height adjustment, Feed roller table 1 m, Coolant system, Operator instructions

Additional options available upon request.

### TECHNICAL SPECS

|                              |                                 |
|------------------------------|---------------------------------|
| Cutting capacity 0° (round)  | 380 - 1020 mm                   |
| Cutting capacity 45° (round) | 300 - 810 mm                    |
| Cutting speed                | 20 - 100 m/min                  |
| Motor rating main drive      | 3 - 7,5 kW                      |
| Blade dimensions             | 4800x34x1,1 mm - 9500x54x1,6 mm |
| Weight                       | 1150 - 5860 kg                  |

## Horizontal Mitre Cutting Bandsaws SBS Series

Starting at:  
**4.090€**

Double miter band saw 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



### STANDARD EQUIPMENT

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

Additional options available upon request.

### TECHNICAL SPECS

|                                 |              |
|---------------------------------|--------------|
| Cutting capacity 0° (round)     | 225 - 355 mm |
| Cutting capacity 45° (round) L  | 145 - 300 mm |
| Cutting capacity 45° (round) R  | 120 - 355 mm |
| Cutting capacity 60° R (round)  | 90 - 240 mm  |
| Cutting capacity 60° R (square) | 90 - 170 mm  |
| Motor rating main drive         | 1,1 - 2,2 kW |
| Weight                          | 295 - 805 kg |



## Vertical Bandsaws VB-A Series

Starting at:  
**5.690€**

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



### TECHNICAL SPECS

|                         |                                     |
|-------------------------|-------------------------------------|
| Table dimensions        | 600x550x970 mm -<br>700x660x1002 mm |
| Cutting speed           | 257 - 340 m/min                     |
| Motor rating main drive | 1,5 kW                              |
| Blade width             | 3 - 15 mm -<br>6 - 19 mm            |
| Blade length            | 3390 - 3467 mm -<br>4430 - 4520 mm  |
| Weight                  | 315 - 555 kg                        |

### STANDARD EQUIPMENT

Saw blade welder assembly, Blade cutting unit, Work lamp, Saw-band, Coolant system, Adjustable material stop for table, Operator instructions

Additional options available upon request.



## Circular Sawing Machines KKS T Series

Starting at:  
**1.750€**

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



### TECHNICAL SPECS

|                                |                     |
|--------------------------------|---------------------|
| Max. saw blade diameter        | 250 - 350 mm        |
| Speed                          | 18/36 - 42 1/min    |
| Cutting capacity 0° (round)    | 60 - 120 mm         |
| Cutting capacity 45° (round) L | 55 - 105 mm         |
| Main motor rating              | 0,75 / 1,3 - 1,1 kW |
| Weight                         | 143 - 236 kg        |

### STANDARD EQUIPMENT

Base, Coolant system, 1 saw blade

Additional options available upon request.



## Circular Sawing Machines KAS 400 P

Price:  
**3.490€**

High speed aluminum circular saw with mitre cutting and pneumatic vise

- High speed for aluminum cutting
- Angle cutting in both directions
- Dual vise with pneumatic clamping
- Rigid machine base included



### TECHNICAL SPECS

|                                |        |
|--------------------------------|--------|
| Max. saw blade diameter        | 400 mm |
| Cutting capacity 0° (round)    | 138 mm |
| Cutting capacity 45° (round) L | 125 mm |
| Cutting capacity 45° (round) R | 125 mm |
| Motor rating main drive        | 2,2 kW |
| Weight                         | 123 kg |

### STANDARD EQUIPMENT

1 saw blade, 2 x horizontal pneumatic clamp, Air gun, Sawblade cooling system, Base, Operator instructions

Additional options available upon request.

## 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 and suction device, Grinding wheel dresser, Balancing station, Balancing shaft, LED work lamp, Magnetic clamping plate, Adjustment screws, Operating tools, Demagnetization unit, Siemens PLC-control with Touchscreen, Operator manual, Grinding wheel

Additional options available upon request.

## Conventional Surface Grinders HFS NC Series

High precision surface grinder with automatic cycles, including wheel dressing compensation

- Automatic grinding wheel dressing cycle
- Magnetic table and built-in demagnetization feature
- Vertical axis with ball screw and servo motor for high precision
- Easy auto-mode programming
- Extensive standard equipment package

### STANDARD EQUIPMENT

Magnetic clamping plate, Coolant system with magnetic separator, Central lubrication, Hydraulic oil cooler, Grinding wheel flange, Diamond dresser with holder, Balancing station, Setup feet, Tool box, Operator manual

Additional options available upon request.

## Conventional Surface Grinders FSM 480

Ideal grinder featuring many standard features for workshop applications

- Cast-iron machine base absorbs vibrations
- Magnetic clamping plate 125 x 300 mm
- Extensive standard equipment included
- Angle-adjustable grinding vise

### STANDARD EQUIPMENT

Exhaust vacuum, Work lamp, Magnetic clamping plate 125 x 300 mm, 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.

Starting at:  
**34.900€**



### TECHNICAL SPECS

|                                     |                          |
|-------------------------------------|--------------------------|
| Table dimensions                    | 635x305 mm - 1020x406 mm |
| Workpiece weight (max.)             | 270 - 600 kg             |
| Spindle nose-to-table surface dist. | 580 mm                   |
| Travel X-axis                       | 765 - 1130 mm            |
| Motor rating main drive             | 4 kW                     |
| Grinding wheel dimensions           | 350x40x 127 mm           |
| Weight                              | 2800 - 3700 kg           |

Starting at:  
**54.900€**



### TECHNICAL SPECS

|  |                                  |
|--|----------------------------------|
| Grinding area (max.)                                   | 520x200 mm - 1700x400 mm         |
| Workpiece weights incl. magnetic clamping plate (max.) | 210 - 850 kg                     |
| Spindle nose-to-table surface dist.                    | 470 - 640 mm                     |
| Travel X-axis  | 560 - 1780 mm                    |
| Motor rating main drive                                | 3,7 - 5,5 kW                     |
| Grinding wheel dimensions                              | 255x50,8x 25 mm - 400x127x 40 mm |
| Weight   | 2050 - 5400 kg                   |



### TECHNICAL SPECS

|                                     |                 |
|-------------------------------------|-----------------|
| Table dimensions                    | 210 mm x 450 mm |
| Spindle nose-to-table surface dist. | 450 mm          |
| Travel X-axis                       | 480 mm          |
| Grinding wheel dimensions           | 200x13x 32 mm   |
| Motor rating main drive             | 1,5 kW          |
| Weight                              | 730 kg          |



## Conventional Cylindrical Grinders **RSM 1000 C**

Price:  
**44.900€**

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 Z-axis with manual return
- Extensive package of standard accessories



### STANDARD EQUIPMENT

3-jaw chuck Ø 200 mm, 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**

Starting at:  
**30.900€**

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 Z-axis with manual return
- Extensive package of standard accessories



### STANDARD EQUIPMENT

2-axis position indicator X.Pos 3.2, Internal grinding equipment, 3-jaw chuck Ø 200 mm, Chuck flange, Balancing station, Balancing mandrel, Dress equipment, Center point, Grinding wheel flange, Coolant system, Drivers, Work lamp, Operating tools, Operator instructions, Open rest, Closed rest

Additional options available upon request.



### TECHNICAL SPECS

|   |               |
|---|---------------|
| Center height                           | 180 mm        |
| Working spindle taper                   | 4 MK          |
| Grinding length                         | 1000 mm       |
| Workpiece weight between centers (max.) | 150 kg        |
| Grinding diameter                       | 8 - 320 mm    |
| Grinding wheel dimension                | 400x50x203 mm |



### TECHNICAL SPECS

|   |               |
|---|---------------|
| Center height                           | 135 mm        |
| Workpiece length (max.)                 | 640 - 950 mm  |
| Grinding length                         | 500 - 800 mm  |
| Grinding diameter                       | 8 - 200 mm    |
| Workpiece weight between centers (max.) | 50 kg         |
| Grinding wheel dimensions               | 400x50x203 mm |



RSM 500A

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## Tool Grinders Multi-Grind

Multifunctional machine with inside and outside 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

### STANDARD EQUIPMENT

Coolant system, Exhaust vacuum, Tool mount / indexing head MT 4, Internal grinding unit including 2 die grinders, 3-jaw chuck Ø 100 mm, 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.

## Belt/Disk Sanders B 150 D

Ideally suited workshop grinder for smoothing, deburring and beveling

- For precision grinding of tube unions
- Contact roll for grinding of shaft ends
- Longitudinal grinding surface for deburring
- Suitable for stainless steel and aluminum
- Ready for vacuum exhaust connection

### STANDARD EQUIPMENT

Base, 1 sanding belt, Safety observation shield, Operator instructions

Additional options available upon request.

## Tool Grinders DSB 300 D

Dual bench grinder with rigid construction and featuring a solid pedestal

- Built for industrial use
- Standard delivered with the base
- Rigid design for minimum vibrations

### STANDARD EQUIPMENT

Base, Safety observation shield, 2 universal corundum wheels

Additional options available upon request.

Price:  
**23.900€**



### TECHNICAL SPECS

|                         |            |
|-------------------------|------------|
| Grinding diameter       | 200 mm     |
| Workpiece length (max.) | 500 mm     |
| Workpiece weight (max.) | 10 kg      |
| Travel Z-axis           | 480 mm     |
| Grinding spindle speed  | 2500 1/min |
| Motor rating main drive | 1,1 kW     |

Price:  
**1.690€**



### TECHNICAL SPECS

|                         |              |
|-------------------------|--------------|
| Speed                   | 2800 1/min   |
| Belt dimensions         | 150x2000 mm  |
| Belt speed              | 33 m/s       |
| Sanding area            | 530 x 150 mm |
| Motor rating main drive | 4 kW         |
| Weight                  | 135 kg       |



### TECHNICAL SPECS

|                           |              |
|---------------------------|--------------|
| Speed                     | 1450 1/min   |
| Grinding wheel dimensions | 300x50x75 mm |
| Motor rating main drive   | 2,2 kW       |
| Weight                    | 84 kg        |



## Die Sinker EDM ZNC 435 L

Price:  
**25.900€**

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



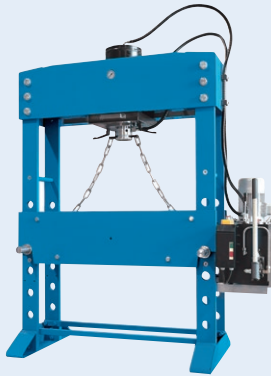
### TECHNICAL SPECS

|                         |            |
|-------------------------|------------|
| Table dimensions        | 700x450 mm |
| Workpiece weight (max.) | 700 kg     |
| Quill stroke            | 250 mm     |
| Travel X-axis           | 450 mm     |
| Travel Y-axis           | 350 mm     |
| Mean generator capacity | 80 A       |

### STANDARD EQUIPMENT

Control unit, Fire extinguishing system, Work lamp, Scale X- / Y-axis, Chuck, Operating tools, Operator instructions

Additional options available upon request.



## Workshop Presses KNWP 200 HM

Price:  
**20.900€**

Motorised workshop press with horizontally positionable cylinder unit with two-stage hydraulics

- High quality – made in Europe
- Hydraulic motor drive
- Horizontally adjustable cylinder unit
- Adjustable table height



### TECHNICAL SPECS

|                             |           |
|-----------------------------|-----------|
| Pressure force              | 200 t     |
| Operating pressure (max.)   | 243 bar   |
| Stroke                      | 400 mm    |
| Press speed                 | 1,84 mm/s |
| Motor rating hydraulic pump | 3 kW      |
| Weight                      | 1690 kg   |

Additional options available upon request.



## Workshop Presses KNWP H 100

Price:  
**9.590€**

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               | 1020 mm   |
| Pressure force              | 100 t     |
| Stroke                      | 400 mm    |
| Press speed                 | 7,12 mm/s |
| Motor rating hydraulic pump | 4 kW      |
| Weight                      | 1000 kg   |

### STANDARD EQUIPMENT

Movable working cylinder, Height adjustable work table, V-blocks, Manometer, Operator manual

Additional options available upon request.

## Press Brakes

# AHK M NC Series

Starting at:  
**27.500€**

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 = 67 mm (segmented), Laser optical safety system, Light curtain, Sliding front support arms (2 pcs), Foot pedal with emergency stop switch, Operator instructions

Additional options available upon request.

### TECHNICAL SPECS

|                          |                |
|--------------------------|----------------|
| Pressure force           | 30 - 60 t      |
| Brake length             | 1250 - 2100 mm |
| Distance between columns | 1010 - 1700 mm |
| Stroke                   | 150 - 160 mm   |
| Motor rating main drive  | 3 - 7,5 kW     |
| Weight                   | 1700 - 4340 kg |

## Guillotine Shears

# KHT M NC Series

Starting at:  
**28.500€**

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



### STANDARD EQUIPMENT

NC control Estun E21S, Pneumatic sheet support, Controlled backgauge, Shadow light cutting line, Front support arms, Foot pedal with emergency stop switch, Manual cutting gap adjustment, Full length finger guard, Safety system for back working area, Standard upper and lower knife for stainless steel sheets, Adjustable angle stop, Operating tools, Operator instructions

Additional options available upon request.

### TECHNICAL SPECS

|  |                 |
|--|-----------------|
| Working length                               | 2500 - 3200 mm  |
| Plate thickness max. - 450 N/mm <sup>2</sup> | 6 - 12 mm       |
| Plate thickness max. - 700 N/mm <sup>2</sup> | 4 - 8 mm        |
| Cutting angle                                | 1,5°            |
| Motor rating main drive                      | 7,5 - 18,5 kW   |
| Weight                                       | 5000 - 10800 kg |

## KNUTH on YouTube

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AHK M 2160 NC





#### TECHNICAL SPECS

|   |                            |
|---|----------------------------|
| Working length                                    | 1300 - 2550 mm             |
| Plate thickness (max.)<br>- 450 N/mm <sup>2</sup> | 0,8 - 2 mm -<br>0,8 - 4 mm |
| Cutting angle                                     | 1,8 - 2,4°                 |
| Rear stop   | 630 mm                     |
| Motor rating main drive                           | 4 - 7,5 kW                 |
| Weight  | 1355 - 2500 kg             |

## Guillotine Shears KMT B 1304 NC

Price:  
**13.900€**

Economical solution with controlled backgauge and a sheet holding device

- Solid steel weldment
- PLC back-gauge control with 4.3" touchscreen
- Back gauge with servo drives
- Blades can be rotated and reused
- Pneumatic sheet support device



#### STANDARD EQUIPMENT

Pcl control, Work lamp, Safety guard with power off after open door, Back gauge with 4,3" Touchscreen, Foot pedal, Cut-line lighting, Squaring arm, Support arms with material support balls, Powered rear stop, Hold-down, Pneumatic sheet support, Safety cover Working area Backgauge, Operator instructions

Additional options available upon request.



#### TECHNICAL SPECS

|   |                            |
|---|----------------------------|
| Plate thickness (max.)<br>- 450 N/mm <sup>2</sup> | 0,8 - 2 mm -<br>0,8 - 4 mm |
| Working length                                    | 1250 - 2050 mm             |
| Cutting angle                                     | 2°                         |
| Rear stop   | 630 mm                     |
| Motor rating main drive                           | 3 - 4 kW                   |
| Weight  | 850 - 1520 kg              |

## Guillotine Shears KMT B Series

Starting at:  
**8.190€**

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 device, Cut-line lighting, Manual rear stop, Operator instructions

Additional options available upon request.



#### TECHNICAL SPECS

|  |                |
|--|----------------|
| Working length                               | 1550 - 3050 mm |
| Plate thickness max. - 450 N/mm <sup>2</sup> | 4 - 8 mm       |
| Bending diameter (min.)                      | 255 - 300 mm   |
| Roll diameter                                | 170 - 200 mm   |
| Motor rating main drive                      | 4 kW           |
| Weight                                       | 1850 - 4000 kg |

## Plate Rolling Machines KRM ST Series

Starting at:  
**20.900€**

Motor-driven rollers with large working width and motorised rear roller adjustment for processing heavy plate

- Asymmetrical structure
- Motorized drive with 4 kW
- Hardened rollers
- Conical bender



#### STANDARD EQUIPMENT

Back roll with motor, Conical bending feature, Hardened rollers, Emergency stop safety rope, Separate control panel with foot switch, Operator instructions

Additional options available upon request.

## Plate Rolling Machines **KRM T 10/5,0**

Price:  
**11.600€**

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 insert groove, Emergency stop safety rope, Seperate control panel with foot switch, Side cover, Operator instructions

Additional options available upon request.

### TECHNICAL SPECS

|  |           |
|--|-----------|
| Working length                               | 1050 mm   |
| Plate thickness max. - 450 N/mm <sup>2</sup> | 5 mm      |
| Roll diameter                                | 130 mm    |
| Roller speed                                 | 3,5 m/min |
| Motor rating main drive                      | 2,2 kW    |
| Weight                                       | 1200 kg   |

Other machines in this series → [www.knuth.com](http://www.knuth.com)

## Plate Rolling Machines **KR T 10/3,0**

Price:  
**4.190€**

Manually driven rolls in asymmetrical arrangement with manual rear roll infeed for processing thin sheet and thin plate

- Asymmetrical structure
- Hardened rollers with wire insertion grooves
- Conical bender



### STANDARD EQUIPMENT

Conical bending feature, Hardened rollers, Wire insert groove, Operator instructions

Additional options available upon request.

### TECHNICAL SPECS

|  |                 |
|--|-----------------|
| Working length                               | 1050 mm         |
| Plate thickness max. - 450 N/mm <sup>2</sup> | 1,5 mm          |
| Roll diameter                                | 90 mm           |
| Overall dimensions (length x width x height) | 2,08x0,7x1,25 m |
| Weight                                       | 410 kg          |

Other machines in this series → [www.knuth.com](http://www.knuth.com)

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KRM ST 15/8

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VO/EN-02-2024