

Conventional Lathes

Sinus 330/2000 D

SKU : 800011

SLIGHTLY USED

The machine shows signs of use and has some paint defects, but has been technically inspected and is fully operational

Sinus D is the largest series in the universal lathes segment. The construction follows a classic design but is based on a heavy, one-piece cast machine bed. As with heavy-duty lathes, the frictional connection between the motor and the spindle takes place via a manual multi-disc clutch. With integrated functions such as the removable bed bridge, rapid traverse and a taper turning device, this series offers optional solutions for machining long workpieces or large flanges.

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

Weight 2900 kg

TECHNICAL SPECS

WORKING AREA

Workpiece length (max.)	2000 mm
Turning diameter over bed	660 mm
Turning-Ø over support	440 mm
Turning diameter without gap bridge	900 mm
Gap bridge length	320 mm
Bed width	400 mm

TRAVELS

Travel X-axis	368 mm
Travel Z1-axis	230 mm
Swing range of top slide	45°

HEADSTOCK

Spindle speed	25 1/min - 1600 1/min
Spindle bore	105 mm
Spindle mount	D1-8
Spindle taper	ø 113 mm/ 1:20

RAPID FEED

Rapid feed X-axis	2000 mm/min
Rapid feed Z-axis	4000 mm/min

FEED

Feed X-axis	0.022 mm/R - 0.74 mm/R
Feed Z-axis	0.044 mm/R - 1.48 mm/R

THREADING

Threading, metric	0.45 mm - 120 mm
Threading, diametric	0.88 DP - 160 DP
Threading, module	0.25 mm - 60 mm
Threading, whitworth	(54) 7/16 - 80 TPI

TAILSTOCK

Tailstock quill diameter	90 mm
Tailstock taper	5 MT
Tailstock quill stroke	235 mm
Tailstock traverse adjustment	± 12,5 mm

DRIVE CAPACITY

Motor rating main drive	7.5 kW
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MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	3.71 m x 1.23 m x 1.6 m
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PRODUCT DETAILS

Machine bed

- Maximum stability: The machine is based on a heavy, generously dimensioned bed on a solid, one-piece cast base frame, which effectively eliminates vibrations
- Long-lasting accuracy: For lasting precision and low wear, the bed guideways are induction hardened and ground (>HB 400)

Headstock and feed gear

- Precision under load: The design guarantees high accuracy and exceptionally smooth running, even at high cutting speeds
- Large passage: With a spindle bore of 105 mm, the machine is ideally suited for machining long shafts and pipes
- Proven drive: A mechanical multi-plate clutch ensures smooth spindle start-up – ideal for accelerating heavy workpieces

Support

- Reduced non-productive times: To increase productivity, the support can be moved in both the longitudinal and transverse directions in rapid traverse
- High operator protection: Integrated overload protection for the feed screw and lead screw prevents damage due to incorrect operation or collisions
- Protected design: The lead screw is covered to minimise wear caused by chips and dirt

Tailstock

- The tailstock quill is equipped with a robust and easy to read scale
- The long quill stroke allows for complex drilling and centering jobs
- The tailstock can be adjusted laterally for machining of conical shafts

Equipment and accessories

- The central lubrication system on the support supplies all guideways with lubricant and simplifies machine maintenance
- A taper turning device is included as standard and enables the production of long, slim external and internal tapers in a single pass with automatic longitudinal feed
- Since neither the upper slide nor the tailstock need to be adjusted, quick changing between cylindrical and taper turning is a major advantage
- The standard foot brake pedal is not only practical, but also a safety feature
- The large and stable splash guard at the rear of the machine ensures a clean machine environment
- Bright LED lighting is integrated into the support cover and illuminates the working area optimally
- The multifunctional quick-change tool holder system with a change cassette is standard equipment in this series
- A fixed and a travelling steady rest are also standard accessories, indispensable for long workpieces
- The series is equipped with the latest generation of our position indicators as standard. Higher working accuracy, a lower error rate and increased production reliability pay off
- A coolant system and extensive operating tools complete the equipment package

STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2
 3-jaw chuck Ø 315 mm
 4-jaw face plate chuck Ø 400 mm
 Face plate Ø 450 mm
 Drive plate
 Quick-change toolpost head WC
 Quick change tool holder WCD 32150
 Fixed splash guard (wall)
 Coolant system
 Steady and follow rests
 Taper turning unit

Chuck guard
LED work light
Reducing sleeve
Dead center
Tool kit
Operating manual
Rapid feed on Z and X axes



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Are you interested in a machine for which you cannot find a current video?
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