

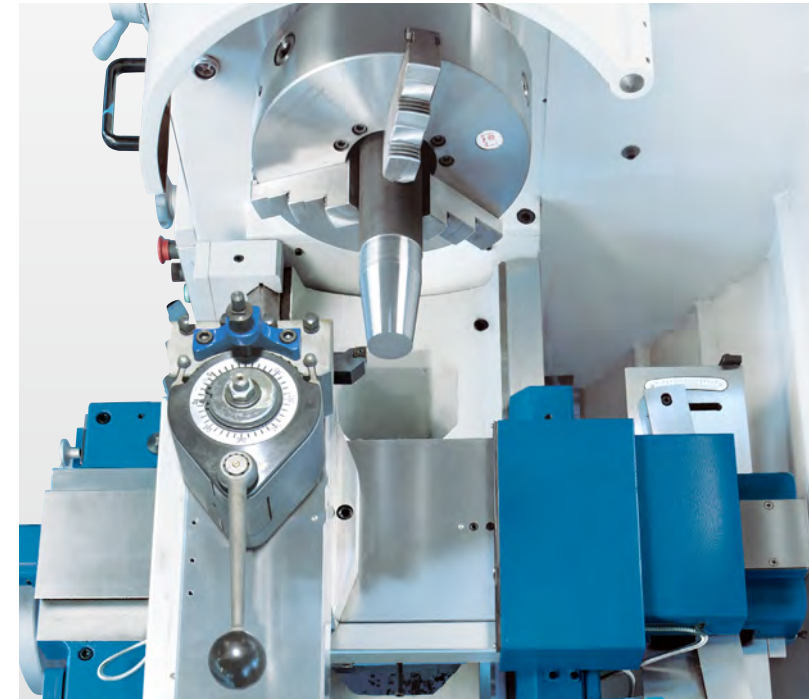
Sinus D 330/2000 shown

- Extensive standard equipment
- Total price including 3-axis position indicator (assembled)

- removable bridge for machining of large parts
- high accuracy and low-noise operation even at high cutting power
- heavy and large bed
- hardened guideways (>HB 400)
- large spindle capacity 105 mm for machining of long parts
- manual central lubrication
- clutch for soft starts when working with heavy parts
- automatic lubrication of headstock and main drive
- protected leadscrew
- overload protection for feed shaft and leadscrew
- the support moves in linear and cross directions via rapid feed



Rests ensure maximum precision when machining long workpieces



Taper turning unit is included

Standard Equipment

3-axis position indicator, 3-jaw chuck Ø 320 mm, 4-jaw face plate chuck Ø 400 mm, face plate Sinus 400 Ø 500 mm Sinus 330 Ø 450 mm, drive plate, quick tool changer head, quick change tool holder, includes fixed splash guard (wall), coolant system, steady and follow rests, taper turning unit, chuck guard, work lamp, reducing sleeves, dead center, operating tools, operator manual

Options

Options	Part No.
• Live Center MT 5	106760
• Pivoted Mounts LK 55	103322
• Quick-Set Spindle Bore Stop Size 10 90-110mm	103026

For additional options for these machine, visit our website and search for Sinus D (Product Search)

Specifications Sinus D

		330/1500	330/2000	330/3000	400/1500	400/2000	400/3000
Working area							
Workpiece length (max.)	mm	1.500	2.000	3.000	1.500	2.000	3.000
Turning diameter over bed	mm	660	660	660	800	800	800
Turning diameter over support	mm	440	440	440	570	570	570
Turning diameter without gap bridge	mm	900	900	900	1.035	1.035	1.035
Gap bridge length	mm	320	320	320	330	330	330
Bed width	mm	400	400	400	400	400	400
X axis travel	mm	368	368	368	420	420	420
Travel Z1-axis	mm	230	230	230	230	230	230
Travels							
Swing range of top slide	°	45	45	45	70	70	70
Headstock							
Spindle speed	1/min	(16) 25 - 1.600	(16) 25 - 1.600	(16) 25 - 1.600	(16) 25 - 1.600	(16) 25 - 1.600	(16) 25 - 1.600
Spindle bore	mm	105	105	105	105	105	105
Spindle mount / taper		D1-8 / MT5	D1-8 / MT5	D1-8 / MT5	D1-8 / MT5	D1-8 / MT5	D1-8 / MT5
Feed							
Rapid feed X-/Z-axis	mm/min	2000 / 4000	2000 / 4000	2000 / 4000	2000 / 4000	2000 / 4000	2000 / 4000
Feed X-axis	mm/R	(25) 0,022 - 0,74	(25) 0,022 - 0,74	(25) 0,022 - 0,74	(25) 0,022 - 0,74	(25) 0,022 - 0,74	(25) 0,022 - 0,74
Feed Z-axis	mm/R	(25) 0,044 - 1,48	(25) 0,044 - 1,48	(25) 0,044 - 1,48	(25) 0,044 - 1,48	(25) 0,044 - 1,48	(25) 0,044 - 1,48
Working area							
Tapping, metric	mm	(54) 0,45 - 120	(54) 0,45 - 120	(54) 0,45 - 120	(54) 0,45 - 120	(54) 0,45 - 120	(54) 0,45 - 120
Tapping, diametric	DP	(42) 0,88 - 160	(42) 0,88 - 160	(42) 0,88 - 160	(42) 0,88 - 160	(42) 0,88 - 160	(42) 0,88 - 160
Tapping, module	m	(46) 0,25 - 60	(46) 0,25 - 60	(46) 0,25 - 60	(46) 0,25 - 60	(46) 0,25 - 60	(46) 0,25 - 60
Tapping, whitworth	TPI	(54) 7/16 - 80	(54) 7/16 - 80	(54) 7/16 - 80	(54) 7/16 - 80	(54) 7/16 - 80	(54) 7/16 - 80
Tailstock							
Tailstock quill taper / Ø	mm	MK5 / 90	MK5 / 90	MK5 / 90	MK5 / 90	MK5 / 90	MK5 / 90
Tailstock quill stroke	mm	235	235	235	235	235	235
Tailstock traverse adjustment	mm	± 12,5	± 12,5	± 12,5	± 11	± 11	± 11
Drive capacity							
Motor rating / voltage	kW/V	7,5 / 400	7,5 / 400	7,5 / 400	7,5 / 400	7,5 / 400	7,5 / 400
Measures and weights							
Overall dimensions (l x w x h)	m	3,21x1,23x1,6	3,71x1,23x1,6	4,71x1,23x1,6	3,24x1,14x1,14	3,74x1,14x1,91	4,74x1,14x1,91
Weight	kg	2.700	3.300	3.300	3.220	3.870	3.870
Part No.		300010	300011	300012	300015	300013	300014