



Sinus D 330/2000 shown

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



Experience our machines in action!



- removable bridge (250 mm) for machining of large parts with diameters up to 1035 mm
- high accuracy and low-noise operation even at high cutting power
- heavy and large bed
- hardened guideways (>HB 400)
- 105 mm spindle capacity for machining of large parts
- manual central lubrication
- automatic lubrication of headstock and main drive
- protected leadscrew
- overload protection for feed shaft and leadscrew
- support moves in linear and cross directions via rapid feed



Rests ensure maximum precision when machining long workpieces



Standard Equipment

3-axis position indicator, 3-jaw chuck Ø 320 mm, 4-jaw face plate chuck Ø 400 mm, face plate Ø 500 mm (Sinus 400), face plate Ø 450 mm (Sinus 330), dog plate, quick tool changer head, quick change tool holder, 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

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

Taper turning unit is included

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-Ø 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
Travels							
Travel X-axis	mm	368	368	368	420	420	420
Travel Z1-axis	mm	230	230	230	230	230	230
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		D1-8	D1-8	D1-8	D1-8	D1-8	D1-8
Spindle taper	MT	5	5	5	5	5	5
Feed							
Feed X-axis (25)	mm/R	0,022 - 0,74	0,022 - 0,74	0,022 - 0,74	0,022 - 0,74	0,022 - 0,74	0,022 - 0,74
Feed Z-axis (25)	mm/R	0,044 - 1,48	0,044 - 1,48	0,044 - 1,48	0,044 - 1,48	0,044 - 1,48	0,044 - 1,48
Tapping							
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	mm	(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
Rapid feed							
Rapid feed X-axis	mm/min	2.000	2.000	2.000	2.000	2.000	2.000
Rapid feed Z-axis	mm/min	4.000	4.000	4.000	4.000	4.000	4.000
Tailstock							
Tailstock taper	MT	5	5	5	5	5	5
Tailstock quill diameter	mm	90	90	90	90	90	90
Tailstock quill stroke	mm	235	235	235	235	235	235
Tailstock traverse adjustment	mm	± 12,5	± 12,5	± 0,5 in	± 11	± 11	± 11
Drive capacity							
Motor rating main drive	kW	7,5	7,5	7,5	7,5	7,5	7,5
Supply voltage	V	400	400	400	400	400	400
Measures and weights							
Overall dimensions (length x width x height)	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	2.800	2.900	3.300	3.220	3.500	3.870
Part No.		300010	300011	300012	300015	300013	300014