



Sinus D 330/2000 shown

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



Experience our machines in action!



- Removable bridge for machining of large parts
- High accuracy and low-noise operation even at high cutting power
- Heavy and large bed
- Hardened guide ways (>HB 400)
- 4 inch spindle capacity for machining of large parts
- Manual central lubrication
- Automatic lubrication of headstock and main drive
- Protected lead screw
- Overload protection for feed shaft and lead screw
- 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 12.6 inch, 4-jaw chuck (15" diam.), face plate Ø 20 in (Sinus 400), face plate Ø 17.7 in (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, LED 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.)	in	59	79	118	59	79	118
Turning diameter over bed	in	26	26	26	31	31	31
Turning-Ø over support	in	17	17	17	22	22	22
Turning diameter without gap bridge	in	35	35	35	41	41	41
Gap bridge length	in	13	13	13	13	13	13
Bed width	in	16	16	16	16	16	16
Travels							
Travel X-axis	in	14	14	14	17	17	17
Travel Z1-axis	in	9	9	9	9	9	9
Swing range of top slide		45°	45°	45°	70°	70°	70°
Headstock							
Spindle speed	rpm	(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	in	4	4	4	4	4	4
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)	in/R	0.0009 - 0.029	0.0009 - 0.029	0.0009 - 0.029	0.0009 - 0.029	0.0009 - 0.029	0.0009 - 0.029
Feed Z-axis (25)	in/R	0.0017 - 0.0583	0.0017 - 0.0583	0.0017 - 0.0583	0.0017 - 0.0583	0.0017 - 0.0583	0.0017 - 0.0583
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, withworth	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	in/min	79	79	79	79	79	79
Rapid Feed Z-axis	in/min	157	157	157	157	157	157
Tailstock							
Tailstock taper	MT	5	5	5	5	5	5
Tailstock quill diameter	in	4	4	4	4	4	4
Tailstock quill stroke	in	9	9	9	9	9	9
Tailstock traverse adjustment	in	±0.5	± 0.5	± 12.5	± 11	± 0.4	± 11
Drive Capacity							
Motor rating main drive	Hp	10.1	10.1	10.1	10.1	10.1	10.1
Measures and Weights							
Overall dimensions (length x width x height)	in	126.4x48.4x63	146.1x48.4x63	185.4x48.4x63	127.6x44.9x44.9	147.2x44.9x75.2	186.6x44.9x75.2
Weight	lbs	6,160	6,380	7,260	7,084	7,700	8,514
Part No.		300010	300011	300012	300015	300013	300014