



CNC Horizontal Lathes

HL/HDL SERIES

MODELS

- **HL Series** - light horizontal CNC lathes
- **HDL Series** - heavy-duty horizontal CNC lathes

TECHNICAL SPECIFICATIONS

		HL 1000	HL 1300	HL 1700	HDL 2200	HDL 2700
Chuck diameter	mm in	1000 39.4	1300 51.2	1700 67	2200 86.6	2700 106.3
Max. swing over bed guides	mm in	1300 51.2	1600 63	2000 78.7	2500 98.4	3000 118
Max swing over cross slide	mm in	1000 39.4	1300 51.2	1700 67	2200 86.6	2700 106.3
Distance between centres	mm in	3000 118	4000 157.5	4000 157.5	4000 157.5	4000 157.5
Max. workpiece weight	kg	30,000	30,000	30,000	80,000	80,000
(on steady rests)	lb	66,000	66,000	66,000	176,000	176,000
Spindle speed	rpm	1.5-700	1.5-700	1-500	1-375	1-250
Spindle motor power	kW HP	60 80	60 80	60 80	100 134	100 134
X-axis travel	mm in	650 25.6	800 31.5	1000 39.4	1250 49.2	1500 59
Tailstock quill travel	mm in	250 9.8	250 9.8	300 11.8	300 11.8	300 11.8
Feeds X	mm/min	1-10,000	1-10,000	1-10,000	1-10,000	1-10,000
	in/min	0.04-394	0.04 - 394	0.04-394	0.04-394	0.04-394
Z	mm/min	1-5000	1-5000	1-5000	1-5000	1-5000
	in/min	0.04-197	0.04-197	0.04 -197	0.04-197	0.04-197

STANDARD FEATURES

- Heavy and robust structure
- Maximum rigidity during heaviest cutting operations
- High accuracy in finishing operations
- Excellent surface finish
- Cast iron bed with 3 / 4 guideways
- Hardened and ground guideways (steel inserts)
- Counterways lined with anti-friction material
- HEIDENHAIN measuring system
- Automatic lubrication system
- REXROTH/PARKER/ATOS hydraulic components
- SIEMENS A.C. servomotors, PLC and electrics
- SIEMENS SINUMERIK 840D sl
- Telescopic steel covers for the bed and cross slide guideways

TRAVELS

- X-axis - cross slide
- Z-axis - saddle

VERSIONS

- Extended distances between centres
- Choice of motors
- Choice of CNC controls

OPTIONAL EQUIPMENT

- Steady rests (open and closed type)
- Turret type tool system (with 12 tools)
- Milling device
- Grinding device
- Chip conveyor

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