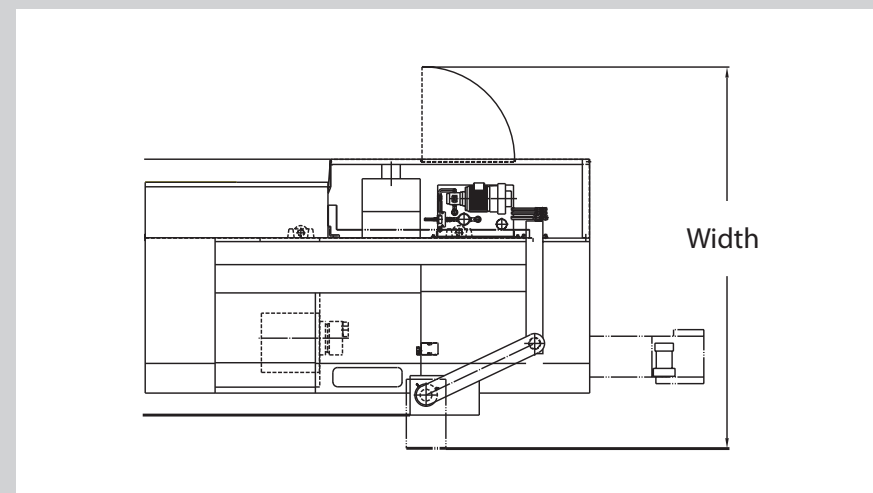
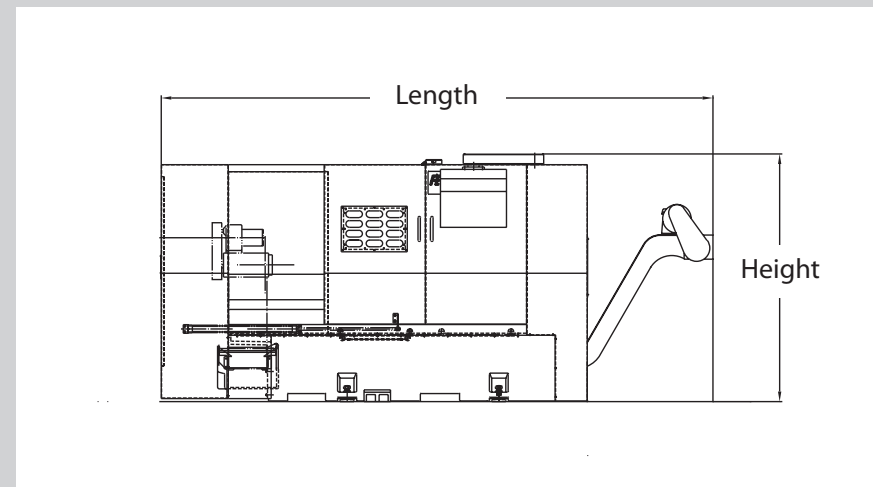


Machine Layouts

Model	Height	Length	Width
HL-25	67.56"	124"	91.85"
HL-35	77.36"	170"	114.02"
HL-45/1000	82.68"	152.95"	119.8"
HL-45/1500	82.68"	198.2"	119.8"
HL-55/1250	83.86"	210"	123"
HL-55/2000	83.86"	235.24"	123"
HL-55/2500	83.86"	260"	123"



HL Series

CNC Horizontal Lathe Series



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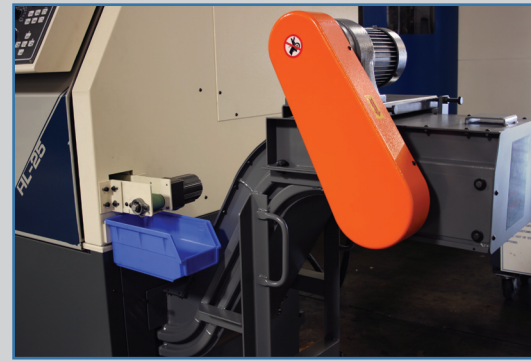
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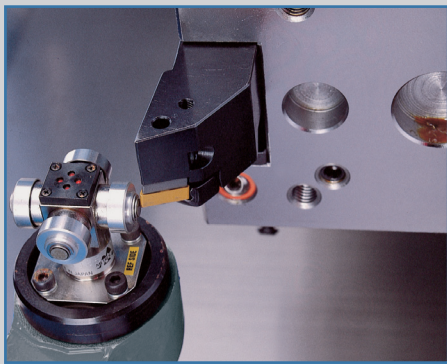
CNC Controller

The HL series comes standard equipped with FANUC CNC control and motors.



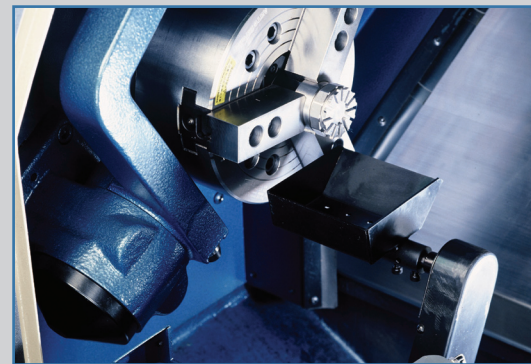
Chip Conveyor

The chain-type conveyor automatically removes chips from the machining environment allowing for non-stop operation.



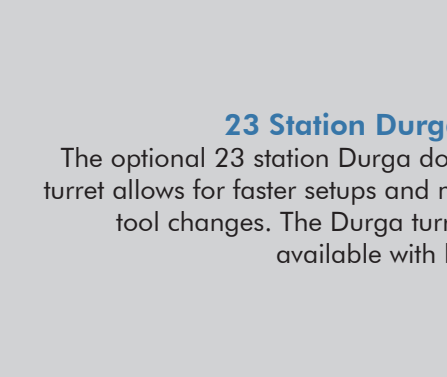
Tool Presetter

The tool presetter reduces setup time with 4 point contacts to quickly enter tool offset values.



Parts Conveyor

The parts conveyor permits efficient parts collection and unmanned operation.



23 Station Durga Turret

The optional 23 station Durga double disk turret allows for faster setups and minimizes tool changes. The Durga turret is also available with live tools.



Specifications



	HL-25	HL-35	HL-45 1000 1500	HL-55/110S	HL-2000 2500
Capacity					
Maximum Turning Length	23.62"(600mm)	26.57"(675mm)	37.01"(940mm) 56.69"(1440mm)	42.12"	75.5"(1918mm) 91.33"(2320mm)
Maximum Swing Over Bed	20.27"(515mm)	19.69"(500mm)	25"(635mm)	28.62"(727mm)	28.0"(711mm)
Maximum Turning Diameter	9.84"(250mm)	14.17"(360mm)	15.75"(400mm) 23.62"(600mm)	24.21"(615mm)	24.21"(615mm)
C-Axis Maximum Turning Diameter	11.81"(300mm)	15.75"(400mm)			
Distance Between Centers	25.59"(650mm)	30"(762mm)	37.4"(950mm) 57"(1448mm)	47.24"(1200mm)	75.0"(1905mm) 98.42"(2500mm)
Spindle					
Spindle Speed	4800 rpm	4000 rpm	2500 rpm	2500 rpm	2500rpm
Spindle Nose	A2-6	A2-8	A2-8	A2-11	A2-11
Bar Capacity	2.04"(52mm)	2.95"(75mm)	3.54"(90mm)	4.53"(115mm)	4.53"(115mm)
C-Axis Bar Capacity	2.05"(52mm)	2.95"(75mm)	3.54"(90mm)		
Chuck Diameter	8"(203.2mm)	10"(254mm)	12"(304.8mm)	15"(381mm)	15"(381mm)
Spindle Motor Direct Drive	15/20HP(AC 11.2/14.9kW)	20/25HP(AC 14.9/18.6kW)	25/30HP(AC 18.6/22.4kW)	30/35HP(AC 22/26kW)	30/35HP(AC 22/26kW)
Spindle Diameter	3.9"(99.1mm)	5.12"(130mm)	6.3"(160mm)	6.69"(170mm)	6.69"(170mm)
Spindle Bore	2.4"(61mm)	3.43"(87mm)	4.33"(110mm)	5.12"(130mm)	5.12"(130mm)
C-Axis Maximum Live Tool Speed	3000 rpm	3000 rpm	Radial 1500 rpm Axes 3000 rpm		
C-Axis Live Tool Motor	3.0/5.0HP(AC 2.2/3.7kW)	5/7.0HP(AC 3.7/5.5kW)	5/7.5HP (AC 3.7/5.5kW)		
C-Axis Spindle Bore	2.2"(55.9mm)	3.43"(110mm)	4.33"(110mm)		
Turret					
Number of Stations	12	12	12	12	12
Durga	23(12 O.D. / 11 I.D.)	23(12 O.D. / 11 I.D.)			
C-Axis Motorized Live Tools	11	11	12		
Turning Tool O.D./I.D.	.75" / 1.25"	1" / 2"	1" / 2"	1" / 2"	1" / 2"
C-Axis Turning Tool O.D./I.D.	.75" / 1.5"	1" / 1.5"	1" / 1.5"		
X-Axis					
Travel	5.9"(150mm)	10.24"(260mm)	11.22"(285mm) 13.19"(335mm)	13.39"(340mm)	13.39"(340mm)
Rapid Traverse Rate	1180"/min (30m/min)	787.4"/min(20m/min)	787.4"/min(20m/min)	630"/min(12m/min)	630"/min(12m/min)
AC Servo Motor	2.1HP(AC 1.57kW)	2.8HP(AC 2.1kW)	4HP(AC 3.8kW)	5.1HP(AC 3.8kW)	5.1HP(AC 3.8kW) 5.1HP(AC 3.8kW)
Ballscrew	1.26"(32mm) x P0.39"(10mm)	1.57"(40mm) x P0.39"(10mm)	1.57"(40mm) x P0.39"(10mm)	1.42"(36mm) x P0.31"(8mm)	1.42"(36mm) x P0.31"(8mm)
Z-Axis					
Travel	24.8"(630mm)	27.17"(690mm)	39.37"(1000mm) 59.06"(1500mm)	43.31"(1100mm)	78.74"(2000mm) 98.42"(2500mm)
Rapid Traverse Rate	1417"/min(36m/min)	944.88"/min(24m/min)	944.88"/min(24m/min)	787"/min(16m/min)	787"/min(16m/min)
AC Servo Motor	2.1HP(AC 1.57kW)	5.1HP(AC 3.8kW)	5.4HP(AC 4kW)	6HP(AC 4.5kW)	9.3HP(AC 4.5kW)
Ballscrew	1.26"(32mm) x P0.47"(12mm)	1.97"(50mm) x P0.47"(12mm)	1.97"(50mm) x P0.47"(12mm)	1.97"(50mm)x P0.47"(12mm)	1.97"(50mm) x P0.47"(12mm)
Tailstock					
Tailstock Travel	14.56"(370mm)	20.08"(510mm)	32.68"(830mm) 52.36"(1330mm)	43.1"(1094mm)	72.6"(1844mm) 92.3"(2344mm)
Quill Diameter	2.76"(70mm)	4.72"(120mm)	4.72"(120mm)	4.72"(120mm)	4.72"(120mm)
Quill Travel	3.94"(100mm)	4.72"(120mm)	4.72"(120mm)	4.72"(120mm)	4.72"(120mm)
Quill Taper	MT#4	MT#5	MT#5	MT#5	MT#5
Guide way	Linear	Linear	Linear	Box	Box
Machine Weigh	7161 lbs (3248 kg)	13228 lbs (6000 kg)	14551 lbs (6600 kg) 16535 lbs (7500 kg)	16535 lbs (7500 kg)	24,521lbs.(11,123kg) 28,660lbs(13,000kg)
Machine Dimensions					
LxW	124.0" x 59.0" (3150mm x 1500mm)	169.0" x 79.53" (4270mm x 2020mm)	152.95" x 83.9", 198.2" x 85.4" (3385mm x 2131mm) (5034mm x 2170mm)	210" x 78.74" (5334mm x 2000mm)	235.24"x78.74" 260"x78.74" (5975mm x 2000mm) (6604mm x 2000mm)
Machine Height	67.56"(1716mm)	77.36"(1965mm)	83.88"(2130mm)	83.86"(2130mm)	83.86"(2130mm)
Power Requirements	220Volts, 3 Phase 60Hz, 20 KVA	220Volts, 3 Phase 60Hz, 30 KVA	220 Volts, 3 Phase 60Hz, 40 KVA	220 Volts, 3 Phase 60Hz, 55KVA	220 Volts, 3 Phase 60Hz, 55KVA