

LNC D-SERIES Technical data:

Subject to modify

Model	LNC42D	LNC65D	LNC80D
Unit	Metric (Inch)		
Capacities			
Collet bar capacity, dia. (through bore)	ø 42 (1.65")	ø 65 (2.56")	ø 80 (3.15")
Swing over bed		ø 260 (ø 10.2")	
Swing over slide		ø 150 (ø 5.9")	
Max. turning diameter (3-jaw power chuck)	ø 165 (ø 6.5")	ø 210 (ø 8.3")	ø 304 (ø 12")
Max. turning length (Turret type)	collet	205 (8")	
	3-jaw power chuck	165 (6.5")	155 (6.1")
Max. turning length (Gang type)	collet	280 (11")	
	3-jaw power chuck	240 (9.5")	230 (9.1")
Spindle			
Height of spindle center (approx.)	1030 (40.55")		
Spindle nose	ISO A2-5	ISO A2-6	ISO A2-8
Collet chuck type	F48 (ø42)	F72 (ø65)	F90 (ø80)
Power chuck reception	6"	8"	12"
Spindle / draw bar through bore	ø53 / ø43	ø78 / ø66	ø94 / ø78
Spindle drive			
Motor power cont. (Mitsubishi/Siemens)	7.5 / 10 kW (10 / 13.4 HP)		
Max. spindle speed	5000 rpm	4000 rpm	3000 rpm
Slide			
Longitudinal slide travel (Z-axis)	300 (11.8")		
Cross travel slide (X-axis)	350 (13.9") for gang type		
Resolution	0.001 (0.0001")		
Tool turret			
Number of tool position	8 or 12 (Stationary) / 12(Power)		
Turning tool section	20mm SQ (3/4")		
Boring tool reception	ø25 (ø1")		
tool drive	2.2 kW		
live tool max. speed	3,000 rpm		
Indexing	0.35 sec		
Servo motors			
Working feeds, X axis and Z	0~10000 mm/min (0~394 in./min)		
Rapid traverses, X axis and Z	15 M/min (590 in./min)		
Feed force, X axis and Z (Mitsubishi/Siemens)	5 Nm(1.0 kW / 1.4 kW) / 3.68 lb-ft(1.334 HP / 1.87 HP)		
Space requirements and weights			
Overall dimension (L x W x H)	2000x1500x1700 (78.7"x59.1"x66.9") (1800 Siemens)		
Approx. net weights of machine with electrical. cabinet(G.W.)	2350 kg (5170 lbs)	2450 kg (5390 lbs)	2550 kg (5610 lbs)
Machine weight	2700 kg (5940 lbs)	2800 kg (6160 lbs)	2900 kg (6380 lbs)
Packing size	7.5 m ³ (24.6 ft ³)		
Hydraulic tank capacity	30 L (0.79 gal.)		
Hydraulic tank capacity (Rotary tool)	40 L (1.05 gal.)		
Hydraulic pump motor	0.75 kW (1 HP)		
Hydraulic pump motor (Rotary tool)	3.75 kW (5 HP)		
Coolant tank capacity	150 L (3.96 gal.)		
Coolant pump motor	0.375 kW (0.5 HP)		
Lubrication capacity	2 L, 10 c.c./ 10min		
Total power required (Mitsubishi/Siemens)	11 kVA		16 kVA

"MITSUBISHI" M64SL CNC controller with following functions as standard:

- * Parts program storage length 600M
- * Graphic trace of tool path
- * Multiple canned cycles
- * Automatic chamfering & corner rounding
- * Simultaneously controllable 2 axes
- * Tool offset memory 80 sets
- * Tool nose radius compensation
- * Tool life management
- * Constant surface speed control
- * Oriented spindle stop

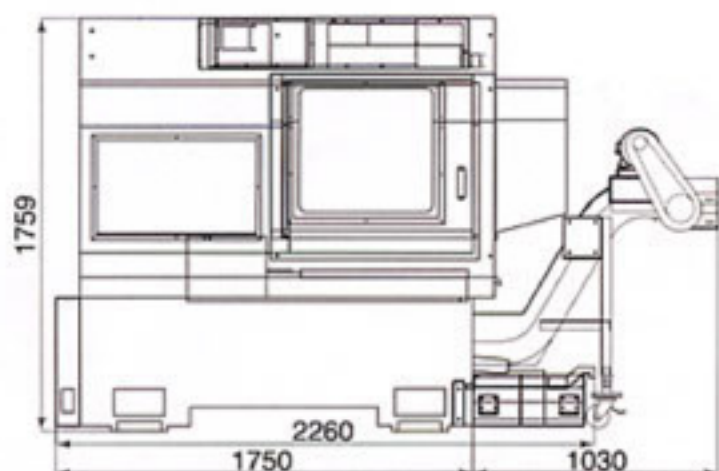
Standard equipment:

1. Spindle collet chuck system (Standard)
2. Main spindle with infinite indexing
3. Hydraulic system
4. Coolant and air jet system
5. Work lamp
6. Automatic lubrication system
7. Front door safety interlock
8. Parts catcher
9. Tool box & tool kits
10. Bar feeder interface
11. Control cabinet heat exchanger

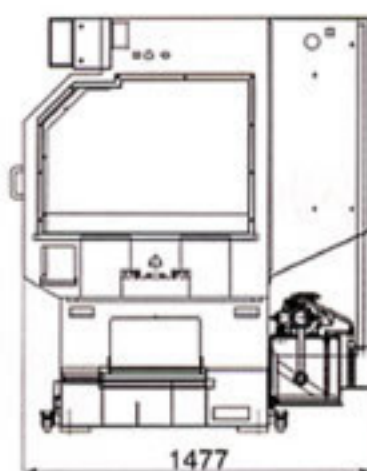
Optional accessories:

1. 6"; 8"; 12" hollow power chuck (LNC42D; LNC65D; LNC80D)
3. Tool turret 8 or 12 stations
4. Power turret 12 stations
5. Counter spindle CS36(std.)/ø4"-3J(opt.)
6. Hydraulic live tool with hydraulic system
7. Additional X/Z tool slide
8. Back machining unit
9. Foot pedal for collet & chuck open / close
10. Vertical polygonal milling attachment
11. Chip conveyor with cart
12. Automatic bar feeder

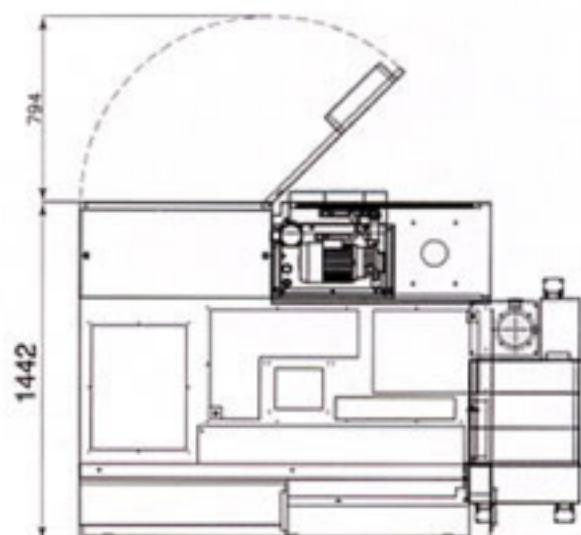
Dimensional Drawings



Front View



Right View



Top View



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