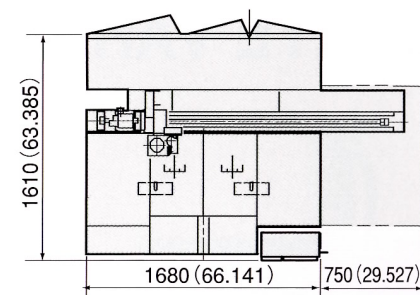


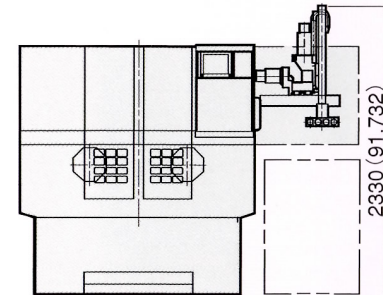
# L5T-W-NCL

CNC UNIT STANDARD SPECIFICATIONS		
Specifications	Unit	FANUC Series 31i-T (3systems)
Control	Controlled axes & simultaneously controllable axes	X1,Z1,X2,Z2:4 axes
	Least movement increment	mm(in) 0.0001(0.00001)
	Least input increment	mm(in) 0.0001(0.00001)
Feed function	Feed rate override	0~150%(10%increments)
	Dwell	G04
	Reference point return	G28
	Feed rate range(manual)	0~1260mm/min(16steps)
	Rapid traverse override	12.5/25/50/100%
	Feed per min./Feed per rev.	G98/G99
Offset	Tool & offset command	T 4digits
	Tool offset amount memory	21pairs
	Tool geometry / wear compensation	Separate page of the offset
	Measuring function	Offset amount direct input
	Tool nose radius compensation	G40,G41,G42
Programming	Absolute/Increment	G90,G91
	Decimal point input	Input the number using decimal point
	Inch/metric conversion	Selected by parameter setting
	Radius designation on arc	R command
	Sub program	Upto 4 nesting
	Max. programmable dimensions	±99999.9999mm
	M function	2 digit upto 3 M codes available on same block
	Canned cycles	Turning/threading cycles
	Chamfering/corner R	C & R command on the corner program
	ISO/EIA automatic recognition	ISO/EIA automatic recognition
Memory	Input code	ISO/EIA automatic recognition
	Data input/output interface	RS232C
	Part program storage & editing	320m(total amount)
	Number of registerable programs	Max. 1,000(total amount)
	Search function	Sequence/number search
Other function	Background editing	Editing during the operation
	MDI/CRT unit	7.2 monochrome LCD
	Stored stroke check	Axes over travel
	Help function	Descriptions for alarm, parameter, etc.
	Self-diagnosis function	Self check function by NC
	Custom macro B	82pcs.
	Clock function	Read by system variables of custom macro
	Alarm history display	25pcs.

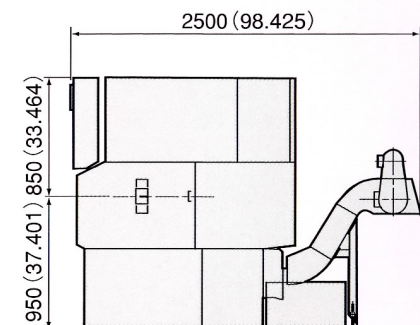
## L5T-W-NCL MACHINE EXTERNAL VIEWS



TOP VIEW



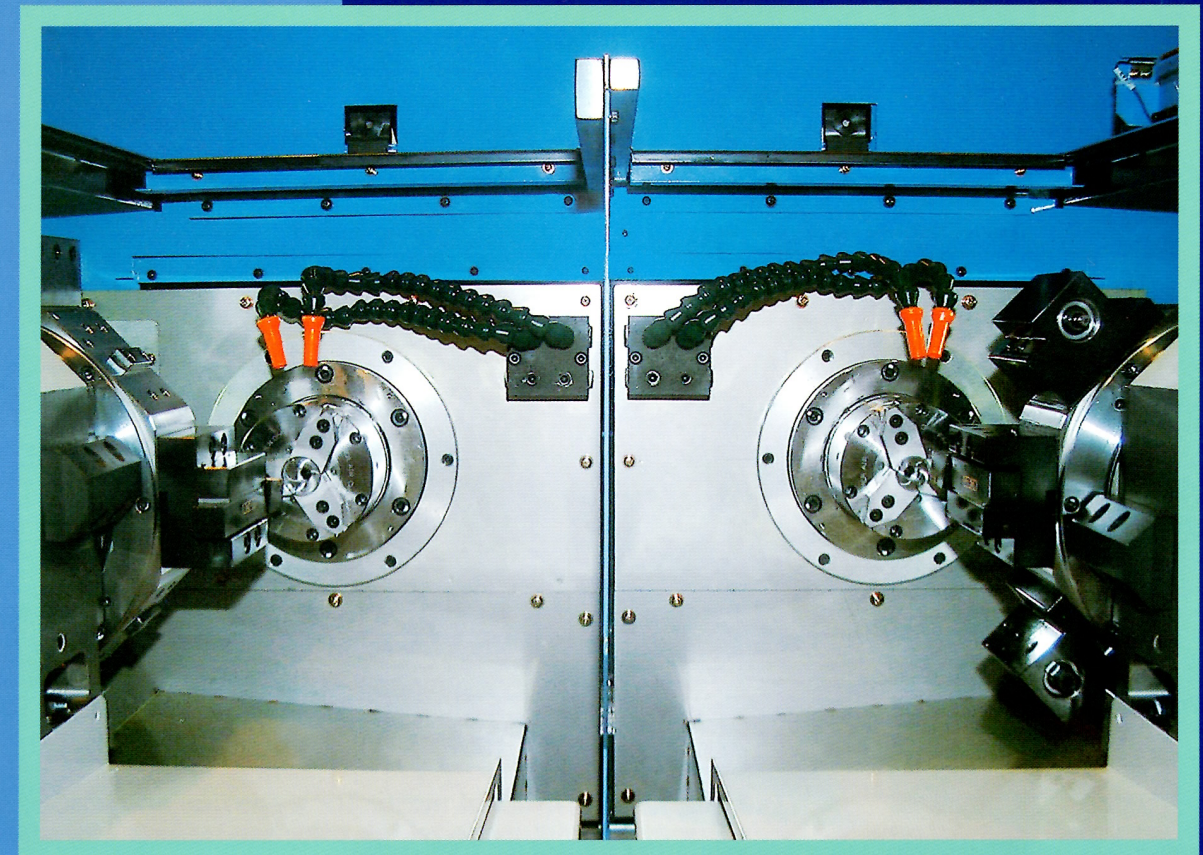
FRONT VIEW



SIDE VIEW

PARALLEL TWIN-SPINDLE, TWIN-TURRET  
PRECISION CNC LATHE  
WITH 3-AXIS GANTRY LOADER

# L5T-W-NCL



TMW

•Due to continual research and improvement,the above specifications are subject to change without notice.

**TAKAHASHI MACHINERY CO.,LTD.**

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10.05

TMW TAKAHASHI MACHINERY

# L5T-W-NCL

## TWIN SPINDLE & TWIN 8-STATION TURRET WITH GANTRY LOADER & TURN-OVER DEVICE TO ACCOMMODATE VARIOUS TURNING JOBS

THE L5 SERIES HIGH PRECISION COMPACT CNC LATHES WERE DEVELOPED THROUGH MANY YEARS OF EXPERIENCE IN DESIGNING AND BUILDING



MACHINE STANDARD SPECIFICATIONS				
	Specifications	Unit	L5T-W-NCL	
Capacity	Max. turnable O.D.	mm(in)	φ150(5.905)	
	Max. turnable length	mm(in)	50(1.968)	
	Max. chuck size	inch	5	
Spindle	Number of spindle		2	
	Nose configuration	mm(in)	φ72flat	
	Max. speed	min <sup>-1</sup> (rpm)	8,000	
	Through hole dia	mm(in)	φ34(1.338)	
	Bearing I.D.	mm(in)	φ75(2.952)	
Tool post	Number of turret		2	
	Turret type		V8 station	
	Turret-indexing motor		Hydraulic system, Non lift type	
	Turning holder for O.D.	mm(in)	20(0.787)	
	Boring bar holder for I.D.	mm(in)	φ32(1.259)	
Travel	X-axis	mm(in)	120(4.724)	
	Z-axis	mm(in)	220(8.661)	
Feed rate	X-axis rapid feed rate	mm/min(IPM)	20,000(787.40)	
	Z-axis rapid feed rate	mm/min(IPM)	20,000(787.40)	
	Cutting feed rate (Per revolution)	mm(in)	0.0001~500 (0.000001~9.999999)	
	Motor	Spindle motor (30min/cont)	Kw(HP)	3.7/2.2×2(4.9/2.9×2)
Servo motor		X-axis	Kw(HP)	2.5(3.33)
		Z-axis	Kw(HP)	2.5(3.33)
Hydraulic unit		Kw(HP)	1.5(2.0)×2	
Coolant pump		Kw(HP)	0.6(0.8)	
Machine size	Height	mm(in)	2,330(91.732)	
	Floor space(machine)WxD	mm(in)	1,680×1,610(66.141×63.385)	
	Weight	Kg(lb)	4,700(10,363)	

### Headstock

- High, rigid, built-in motor for superior accuracy
- Super precision bearings tolerate heat & vibration for long machine life
- Special chiller for headstock to minimize heat distortion
- Maximum 8,000 rpm for high speed turning & high accuracy

### X&Z-Axis Slide

- Dovetail slide ways with Turcite
- Rigid construction with smooth slide & good repeatability
- Rapid feed on X & Z-axes with 20,000mm/min & sub-micron control system to enable speed & precision machining

### Turret

- 8-station turret
- Quick indexing with rigid "Three Piece Coupling" system & hydraulic indexing motor

Headstock on Z-axis slide way & turret on X-axis slide way are separated to avoid vibration & heat distortion

