



LA-300

Horizontal Turning Center Specifications

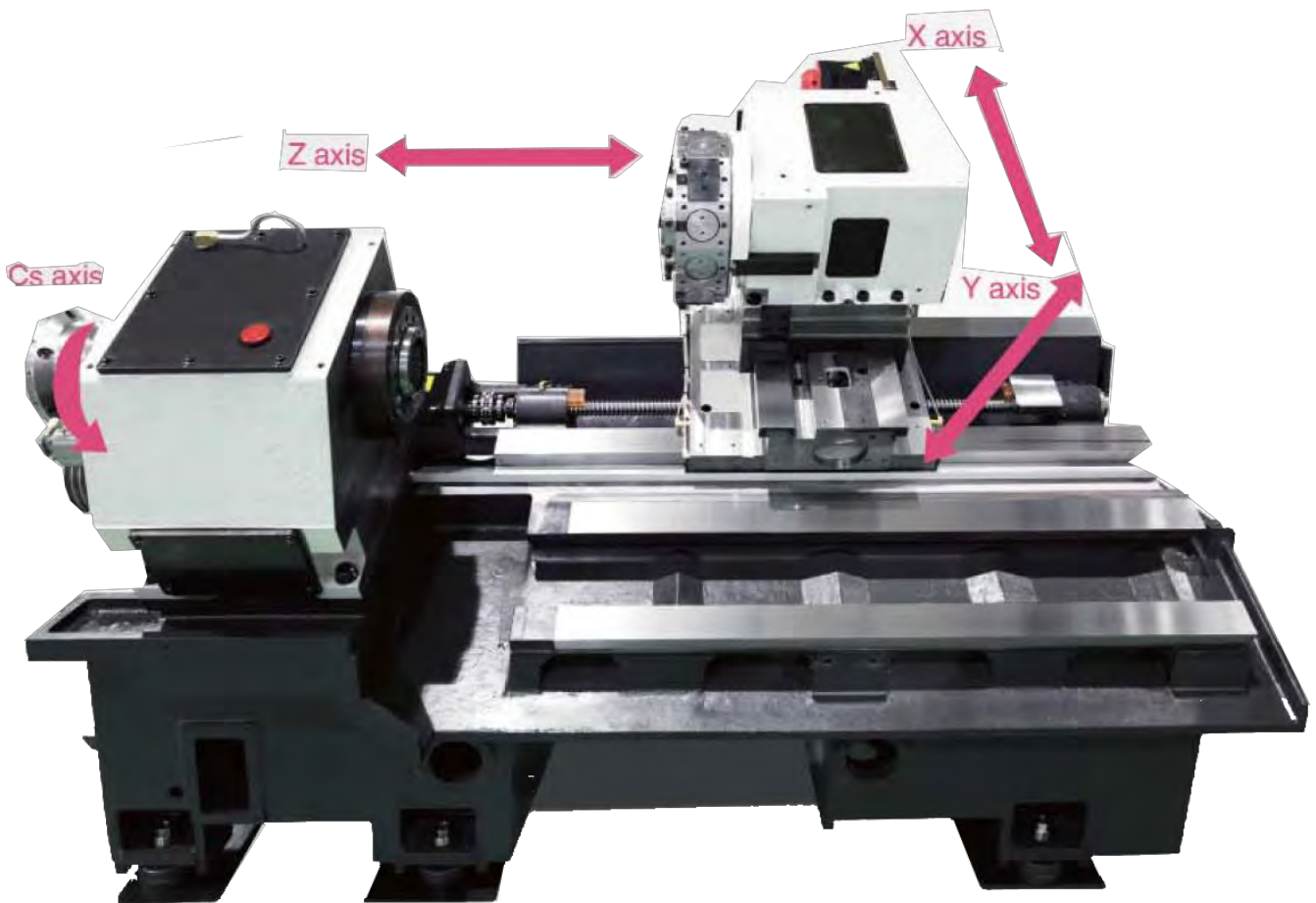


*All specifications are subject to change without prior notice
Verification of technical changes may be confirmed after receipt of order*



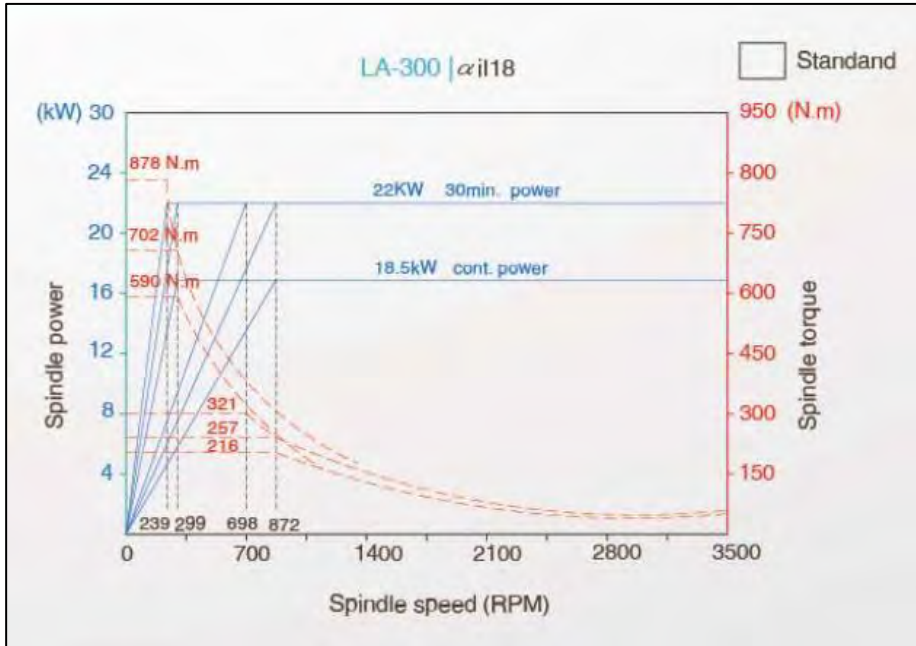
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The heavy duty one-piece slant bed machine base is an extremely rigid structure. The box way design promotes the highest levels of machining accuracy while allowing for ample chip flow and easy clearance of debris from the machining area.

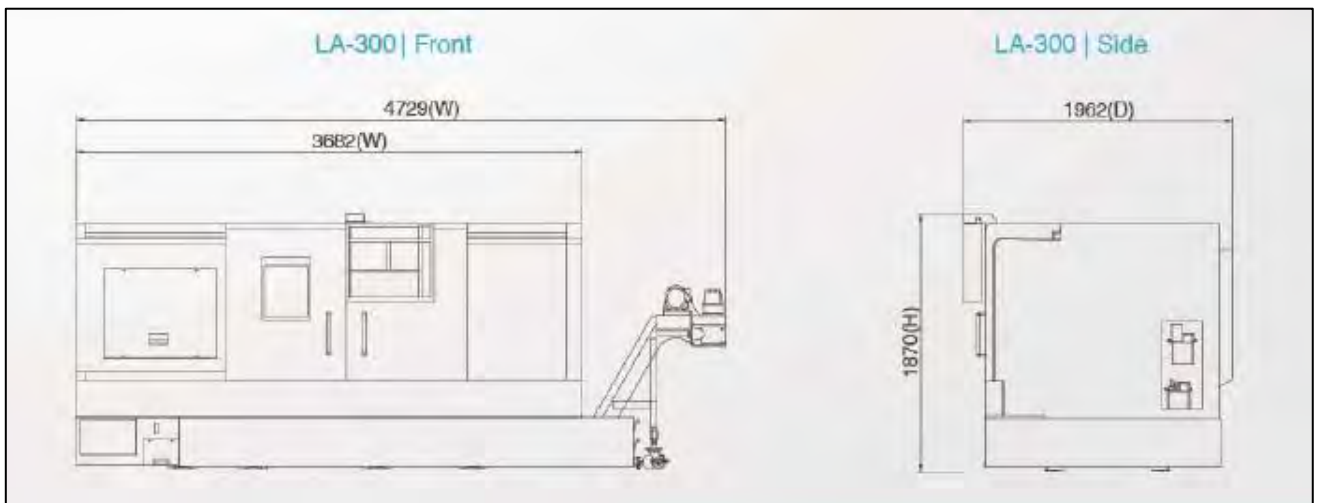


Spindle Output Diagram

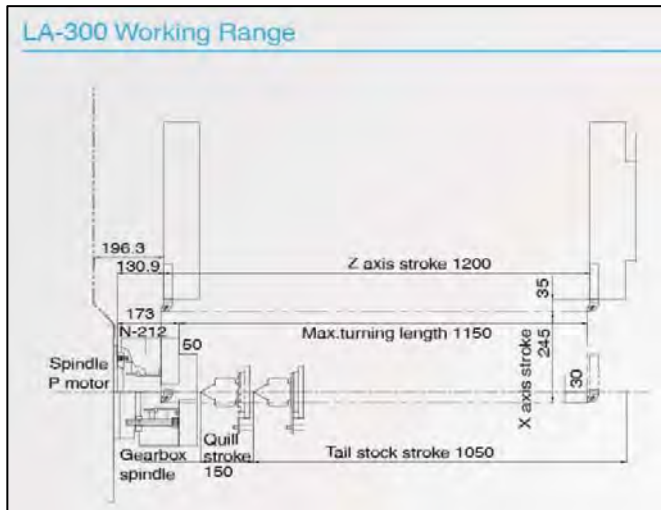
Powered by FANUC MOTOR for high stability & high accuracy



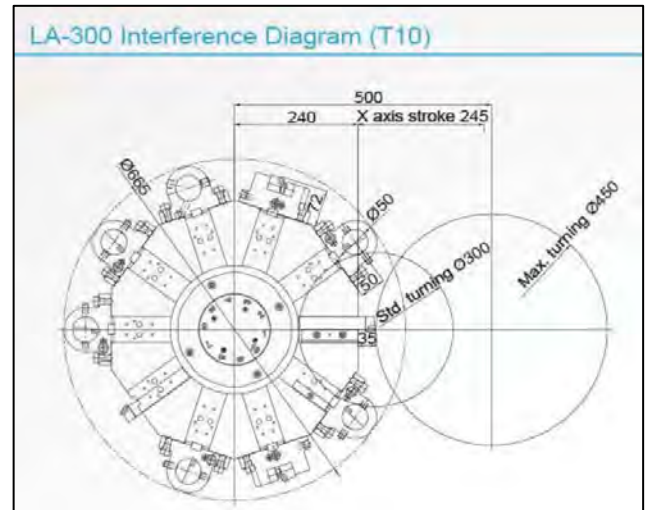
Machine Dimensions



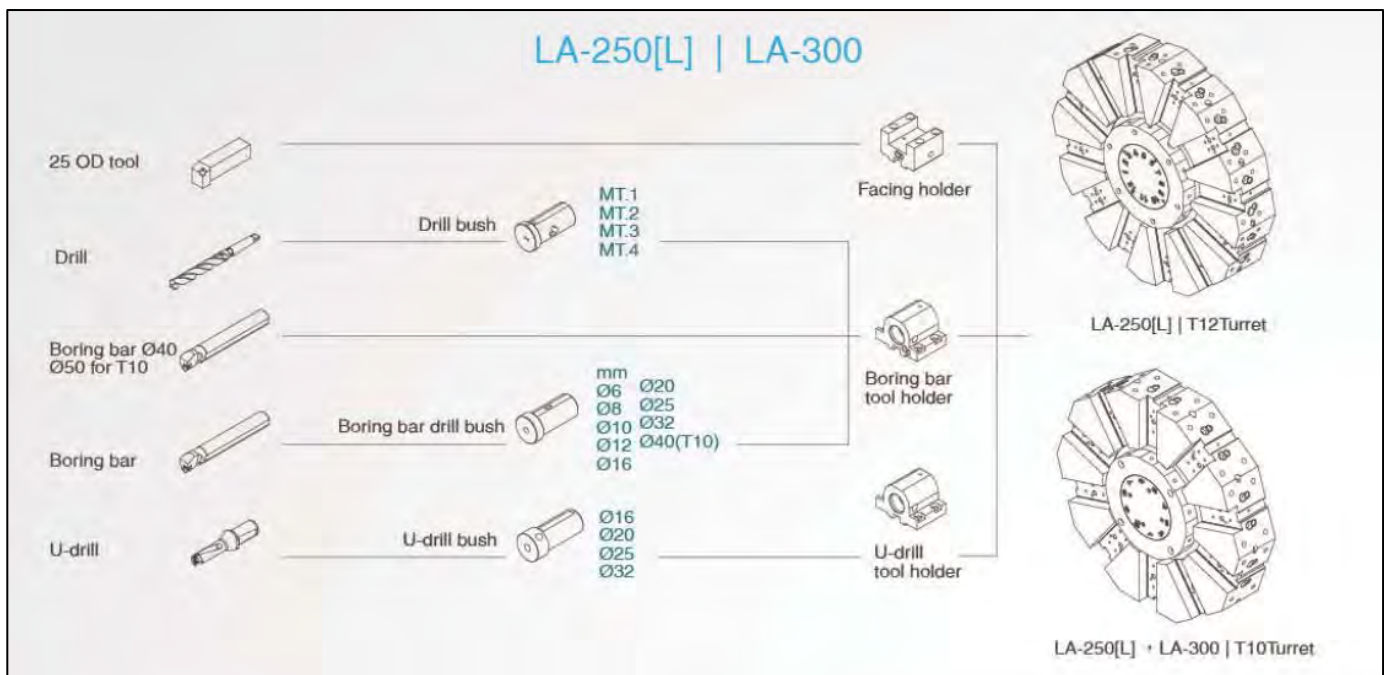
Working Range



Interference Diagram



Tooling System



CAPACITY	Max Swing	mm (inch)	580 (22.8)
	Standard Turning Diameter	mm (inch)	300(T10)/ 254(T12) / (11.7(T10)/ 9.906(T12))
	Max Turning Diameter	mm (inch)	450 (17.7)
	Max Turning Length	mm (inch)	1150 (45.2)
	Bar Capacity	mm (inch)	90 (3.51)
TRAVEL	X Axis Stroke	mm (inch)	245 (9.645)
	Z Axis Stroke	mm (inch)	1200 (46.8)
SPINDLE	Spindle Speed	rpm	3000
	Chuck Size		12" (15")
	Spindle Nose		A2-8
	Spindle Through Hole Diameter	mm (inch)	102 (3.978)
	Spindle Bearing Diameter	mm (inch)	140 (5.46)
	Spindle No.		1
	Center Height (Distance from Ground)	mm (inch)	1080 (42.12)
	Spindle Torque	Nm	590
TURRET	Number of Tools		T10 (T12)
	OD Shank Diameter	mm (inch)	25 (0.975)
	ID Shank Diameter	mm (inch)	40 (50) / 1.56 (1.95)
	Boring Bar Shank Diameter	mm	500 (500)
	Boring Bar Shank Diameter	mm	100 (100)
	Link Turret Gear Diameter	mm	250 (250)
	Clamping Force		4453
TAILSTOCK	Stroke of Tailstock	mm (inch)	1050 (40.95)
	Tailstock's Shaft Hole Diameter	mm (inch)	110 (150) / 4.29 (5.85)
	Taper Hole of Tailstock Spindle		MT.5
	Tailstock Spindle Travel	mm (inch)	150 (150) / 5.85 (5.85)
	Tailstock Max Thrust		1526 (3976)
FEEDRATE	X-axis Rapid Traverse Rate	m/min	16
	Y-axis Rapid Traverse Rate	m/min	20
MOTOR	Spindle Drive Motor	kW	18.5 / 22
	Turret Index Motor	kW	1.2
	X-axis Drive Motor	kW	1.8
	Z-axis Drive Motor	kW	2.5
	Hydraulic Pump	kW	1.5
	Lube Oil Pump	kW	.004
	Coolant Pump	kW	.4
	Power Supply	kVA	31
	Cutting Pressure	bar / psi	1.1
	Coolant Tank Capacity	L	400
	Oil Tank Capacity	L	42
	Lube Oil Tank Capacity	L	2

SIZE	Height	mm (in)	1870 (72.93)
	Length	mm (in)	3682 (143.598)
	Width	mm (in)	1962 (76.518)
	Weight	kg	7500
MAX WEIGHT OF WORKPIECE	Supported at both ends (chuck and tail stock)	kg	1426.6
STEEL SCRAP TRANSPORT MACHINE	Chip Conveyor		Hinge Type

Control Specification: FANUC 0i-TF

CONTROL	SIMULTANEOUSLY CONTOURING CONTROLLED 2 AXIS
	LEAST INPUT INCREMENT: 0.001MM/0.0001 INCH
	LEAST COMMAND INCREMENT: 0.001MM/0.0001 INCH
FEED	FEEDRATE OVERRIDE: 0.254%
	DWELL: G04
	ORIGINAL POINT RETURN: G27, G28, G30
	MANUAL HANDLE FEED RATE: 0.001/0.01/0.1MM
	DRY RUN
	RAPID TRAVERSE OVERRIDE: F0, 25%, 50%, 100%
	FEED PER MINUTE/FEED PER REVOLUTION:G98, G99
TOOL FUNCTIONS	TOOL NUMBER DISPLAY
	TOOL NOSE RADIUS COMPENSATION
	TOOL OFFSET PAIRS: 64 PAIRS
	TOOL OFFSET
PROGRAMMING FUNCTIONS	ABSOLUTE/INCREMENTAL PROGRAMMING
	MULTIPLE REPETITIVE CYCLE: G70~G76
	CANNED CYCLES: G90, G92, G94
	DECIMAL POINT INPUT
	INCH/METRIC CONVERSION
	CHAMFERING/CORNER R
	CIRCULAR INTERPOLATION BY R PROGRAMMING
	SUB-PROGRAM CALL
	COORDINATE SYSTEM SETTING
	MANUAL GUIDE 0i
	WORK PIECE COORDINATE SYSTEM G52—G59
	CONSTANT SURFACE SPEED CONTROL
	AUXILIARY FUNCTION
	INPUT CODE: EIA/ISO AUTOMATIC RECOGNITION
	INPUT/OUTPUT INTERFACE: RS 232C
	PART PROGRAM STORAGE LENGTH: 320M
	NUMBER OF REGISTERABLE PROGRAMS: 400
	SEARCHING FUNCTION
	LABEL SKIP
	PARITY CHECK
	OPTIONAL BLOCK SKIP
OTHER	MDI/CRT UNIT: 8.4" LCD COLOR
	STORED STROKE CHECK
	BACKGROUND EDITING
	HELP FUNCTION
	LOAD METER
	SELF-DIAGNOSIS FUNCTION
	1st SPINDLE ORIENTATION
	LOAD INSPECTION FUNCTION
	SAFETY CLUTCH FOR CRASH PROTECTING

Standard Equipment

- FANUC Oi-TF Control
- 12" 3 jaw thru-hole power chuck with one set of soft jaws
- Geared variable speed 30 HP spindle
- 10 Station servo motor driven bi-directional indexing turret
- Programmable tailstock quill, programmable (drag) positioning tailstock
- Hinged Belt Type Lift-Up Chip Conveyor, Right Side Discharge
- Bar Feeder Interface
- End face tool holder 2 pcs
- Boring bar tool holder 4 pcs
- Wedge for OD tool 12 pcs
- One full set of bushings, one set each size
- G54-G59 Workpiece Coordinate System
- Safety Door Interlock and Safety Logic
- Halogen Work Light
- 3-Color Operation Status Light
- Auto Slide Way Lubrication System
- One(1) set Leveling Pads
- One(1) set of Adjusting Tools and Tool Box
- Manuals: Operation, Control, Parts List, Electrical Diagram

