

CSD 300II

Front Facing Twin Spindle Lathe



Specifications

Machine Specifications			
Recommended work size		mm [inch]	φ200 x 100 [φ7.9 x 3.9]
Max swing dia		mm [inch]	φ310 [φ12.2]
Spindle dia		mm [inch]	φ100 [φ3.9]
Spindle nose			A2-6
Spindle bore		mm [inch]	φ56 [φ2.2]
Spindle speed		min ⁻¹	Max. 4000
Spindle motor		kw [hp]	11 / 15 [15 / 20]
Number of tool stations			10
Chuck size		inch	8 ~ 10
		mm [inch]	140 [5.5]
Slide stroke	X-axis	mm [inch]	200 [7.9]
	Z-axis	mm [inch]	24 [0.945]
Rapid traverse	X-axis	m / min [inch / min]	24 [945]
	Z-axis	m / min [inch / min]	24 [945]
Servo setup unit	X-axis	mm [inch]	0.001 [0.0001]
	Z-axis	mm [inch]	0.001 [0.0001]
Servo motor	X-axis	kw [hp]	1.2 [1.6]
	Z-axis	kw [hp]	1.8 [2.4]
CNC control			FANUC Oi-TF
Power capacity		KVA	50
Robot Specifications			
Robot type			LX-30H II
Max. Carrying capacity		kg [lb.]	5 + 5 [11 + 11]
Robot controller			FANUC
Machine Size			
Footprint		mm x mm [feet,inch x feet,inch]	2260 x 1980 [7'5" x 6'6"]
Machine height [with Robot]		mm [feet,inch]	3250 [10'8"]
Machine weight [with Robot]		kg [lb.]	5500 [12100]



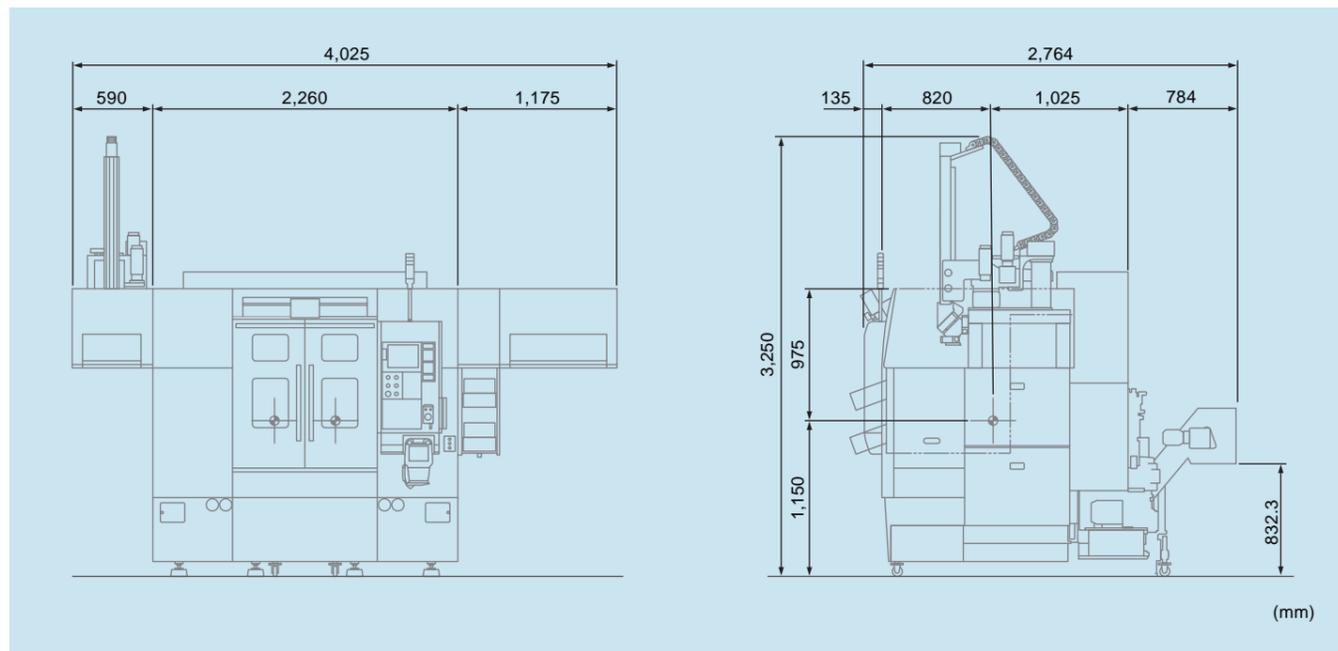
Faster - Robot Traverse & Turret Indexing Speeds

Stronger - Bed Design & Increased Rigidity

Easier - Operation & Change Over
Fanuc Control & Custom HMI

IoT - Ready & Quick Connection to Factory
Production Data

Machine Overview



■ Specifications are subject to change without notice.
■ The photos include options.

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<https://www.fuji.co.jp/en/>

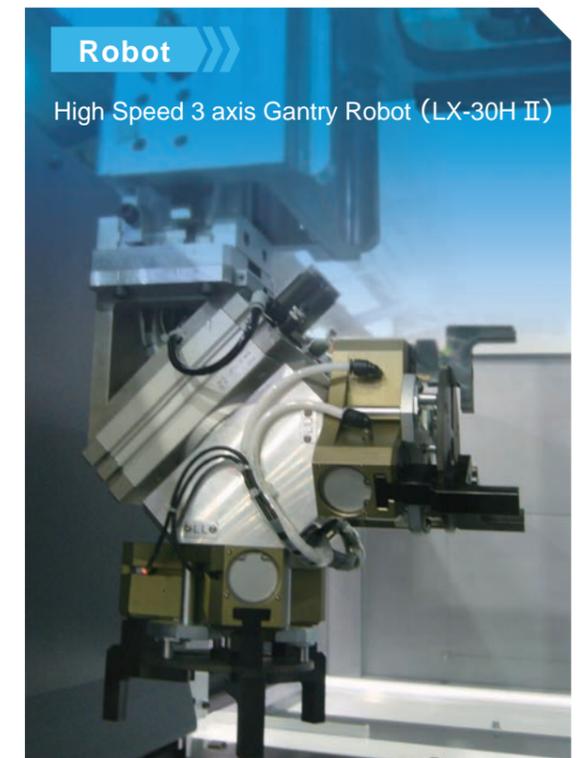


FMAC

Fuji Machine America Corporation

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Speed Innovation

~ New Developed Design ~

Improved equipment with increased rigidity to improve cycle times and quality.

■ NC Version **Upgrade**

■ Operating efficiency improved by software version **upgrade**

■ Turret Index Time
0.29 sec → 0.19 sec

■ Robot Cycle Time
21.2 sec → 17.9 sec

■ Loading time
5.8 sec → 4.8 sec

■ High Rigidity by optimized bed design
Max. Grooving Width
12 mm → 14 mm

*According to our prescribed conditions



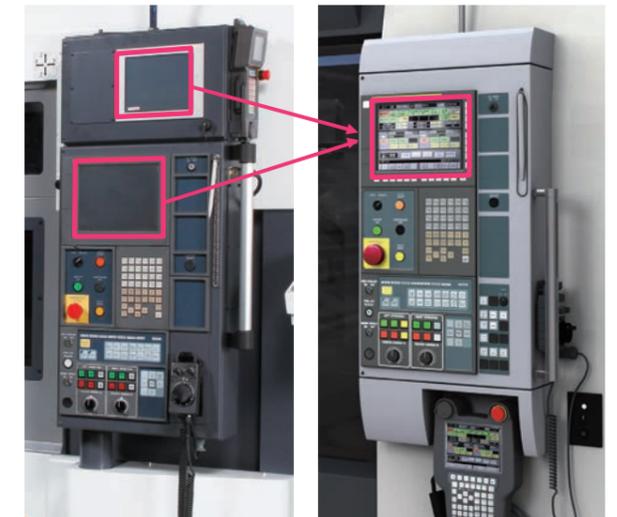
Dual Gantry

Control Renovation

~ Single Integrated Control System ~

Improved HMI boosts operator friendly system

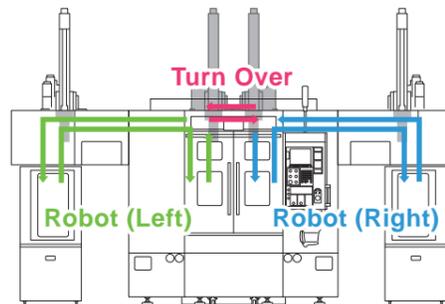
■ Single integrated display for easier operations of machine and robot



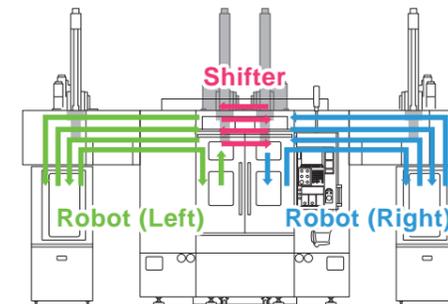
CSD300 → CSD300 II

Robot movement

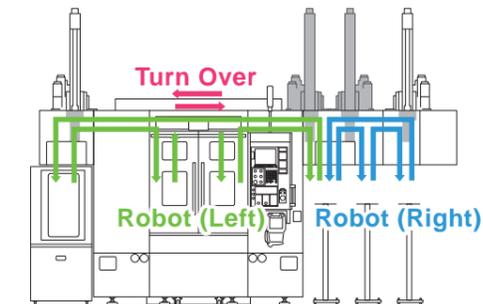
① OP10/OP20 with Turn Over



② OP10A/OP10B with Shifter



③ OP10/OP20 with Turn Over & Outlet Devices



※ Robot Minimum Cycle time 11 sec.

IoT

~ Easy Connection to IoT ~

■ Easy connection to ETHERNET/IP and various network systems
HUB Port, **Standard equipment**

■ Connect to LAPSYS



Please refer to LAPSYS flier

Upgrade Point

~ New Designed Robot by FANUC Control ~

■ Clamp / Unclamp switch for Robot chuck, **Standard equipment**

■ Air blow from Robot chuck, **Standard equipment**

■ Centralized Lubrication system for Robot, **Standard equipment**



Centralized Lubrication system

Clamp / unclamp sensor

Air Blow

■ iPendant enables remote operation of control panel

