



# Takumi

The Art of Productivity

TURNING CENTERS



SL200



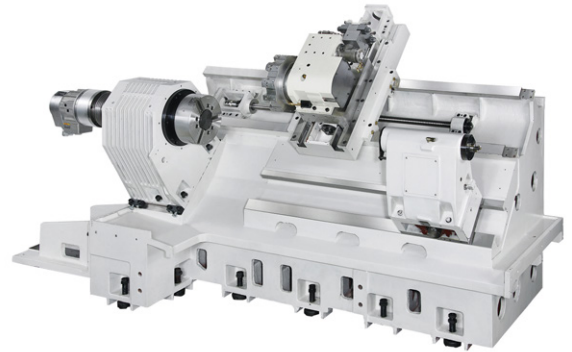
SL250 / SL300

> *Reliability by Design*

[TakumiUSA.com](http://TakumiUSA.com)

## NEW BOX WAY SL SERIES TURNING CENTERS DESIGNED FOR HEAVY AND INTERRUPTED CUTTING WITH SUPERIOR PART FINISHES

- › High metal removal rates are achieved with classic design and manufacturing methods.
- › The heavily ribbed casting design prevents twisting and deformation.
- › Guideways are wide rectangular box design for long-term rigidity and accuracy.
- › The ways are induction hardened, precision ground and widely spaced to ensure stability, and the Turcite B mating surfaces are hand scraped for perfect fit and smooth motion.
- › Slant angle allows for easy loading, changing and inspection of tools.



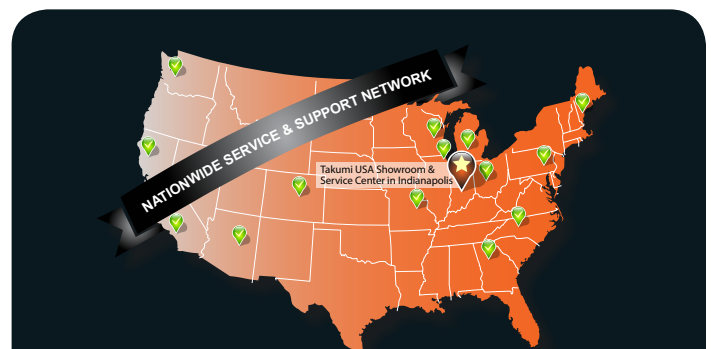
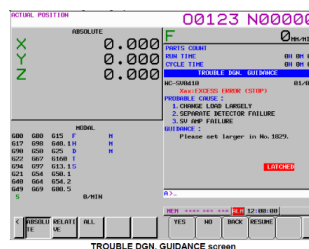
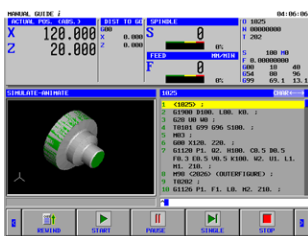
### SL200

- › True 45-degree slant bed
- › Hardened and ground box ways on all axes
  - › 10.83" (275 mm) distance between X-axis ways
  - › 9.76" (248 mm) distance between Z-axis ways
- › Brushless Fanuc AC servos
- › Doublenut pre-loaded pretensioned X/Z axis ballscrews are 1.57" (40 mm) with 10 mm pitch
- › Fanuc AC spindle motor and drive
- › Heavy duty belt driven spindle
- › Maintenance-free cartridge spindle with permanently greased bearings
- › Bi-directional hydraulic turret
- › Hydraulic tailstock mounted on box ways
  - › Tailstock quill diameter 3.14" (80 mm)
  - › Tailstock quill travel 3.14" (80 mm)
  - › Tailstock travel (manual position) 24" (610 mm)
  - › Quill taper Morse Taper #4



### FANUC® CONTROL

- › Takumi lathes feature Fanuc® the world's most popular CNC controls, motors and drives
- › Highest reliability with best MTBF in the industry
- › Fanuc® Oi-TF Control
- › Standard with Manual Guide Oi programming
- › Rigid tapping included
- › Spindle orient
- › Maintenance screens
- › Control swivels for convenience
- › Two year parts warranty on control, motors and drives



#### NATIONWIDE SERVICE + SUPPORT NETWORK

Founded in 1988, Takumi has been exceeding customers' expectations in Europe and Asia for 30 years. When Takumi was acquired by Hurco Companies in 2015, a new Takumi Technology Center and Showroom was built in Indianapolis to serve the U.S. market and a comprehensive service and support network was established. Visit us at [TakumiUSA.com](http://TakumiUSA.com).



# SL250 / SL300

- › True 45-degree slant bed
- › Hardened and ground box ways on all axes
  - › 11.41" (290 mm) distance between X-axis ways
  - › 11.41 (290 mm) distance between Z-axis ways
- › Brushless Fanuc AC servos
- › Doublenut pre-loaded pretensioned X/Z axis ballscrews are 1.57" (40 mm) with 10 mm pitch
- › Fanuc AC spindle motor and drive
- › Heavy duty belt driven spindle
- › Maintenance-free cartridge spindle with permanently greased bearings
- › Bi-directional hydraulic turret
- › Hydraulic tailstock mounted on box ways
  - › Tailstock quill diameter 3.54" (90 mm)
  - › Tailstock quill travel 4.92" (125 mm)
  - › Tailstock travel (manual position) 22.63" (575 mm)
  - › Quill taper Morse Taper #5



## SPECIFICATIONS

	SL200	SL250	SL300
Chuck Size	8" / 200 mm	10" / 254 mm	12" / 305 mm
Spindle Nose	A2-6	A2-8	A2-8
Bore/Draw Tube ID	3.11" / 2.55" (79 mm / 65 mm)	3.54" / 3.07" (90 mm / 78 mm)	4" / 3.58" (102 mm / 91 mm)
X/Z Travels	7.48" x 27.55" / 190 x 700 mm	10" x 27.55" / 255 x 700 mm	10" x 27.55" / 255 x 700 mm
Swing over Bed	16.93" / 430 mm	23.62" / 600 mm	23.62" / 600 mm
Max. Turning Diameter	12.6" / 320 mm	17.71" / 450 mm	17.71" / 450 mm
Max. Turning Length	25.59" / 650 mm	25.59" / 650 mm	25.59" / 650 mm
Spindle RPM	4,000 rpm	3,000 rpm	3,000 rpm
Spindle Acc. Full RPM	3.6 sec	4.3 sec	6 sec
Spindle Acc. / Dec.	2.3 sec	3.3 sec	4 sec
HP (15 min / 60 min / cont.)	25/20/15 HP (18.5/14.7/11 kw)	27/25/20 HP (20/18.5/14.7 kw)	27/25/20 HP (20/18.5/14.7 kw)
Torque (15 min / 60 min / cont.)	98/72/54 ft lbs (133/98/73.5 Nm)	263/212/161 ft lbs (357/288/218 Nm)	263/212/161 ft lbs (357/288/218 Nm)
Rapid Traverse (X/Z)	787 ipm / 20 m/m	787 ipm / 20 m/m	787 ipm / 20 m/m
Turret Stations	10 tools	10 tools	10 tools
Tooling Size	25 x 25 mm	25 x 25 mm	25 x 25 mm
Max. Boring Bar	1.25" / 32 mm	1.57" / 40 mm	1.57" / 40 mm
Tool Change (Adj. / Furthest)	.5/2 sec	.5/2 sec	.5/2 sec
Positioning (VDI 3441)	+/- .0002" (+/- .005 mm)	+/- .0002" (+/- .005 mm)	+/- .0002" (+/- .005 mm)
Repeatability (VDI 3441)	+/- .00012" (+/- .003 mm)	+/- .00012" (+/- .003 mm)	+/- .00012" (+/- .003 mm)
Weight	11,902 lbs / 5,400 kg	15,432 lbs / 7,000 kg	15,510 lbs / 7050 kg
Control	Fanuc® Oi-TF	Fanuc® Oi-TF	Fanuc® Oi-TF

Information may change without notice. Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions.

# Takumi

## PRODUCT LINE-UP

### VERTICAL MACHINING CENTERS

HEAVY DUTY GENERAL PURPOSE MACHINES



VC0852



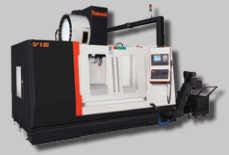
VC1052



V10



V11



V15

### BOX WAY MACHINING CENTERS

### DOUBLE-COLUMN MACHINING CENTERS –

HIGH SPEED MACHINING AND OUTSTANDING SURFACE FINISH



H10



H12



H16

### 5-AXIS MACHINING CENTERS –

HIGH PERFORMANCE AND HIGH RIGIDITY



U600



U800

### TURNING CENTERS –

DESIGNED FOR HEAVY AND INTERRUPTED CUTTING WITH SUPERIOR PART FINISHES



SL200



SL250 / SL300

# Takumi

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