

Maximum Performance CNC Turning Centers / Lathes - GS-2000 Series



MAXIMUM PERFORMANCE CNC TURNING CENTERS

Packed with industry leading technology and top quality components, the GOODWAY GS-2000 series turning centers combined incredible power, strength, and speed to bring you The Ultimate Machining Power®. These powerful maximum performance machines will easily accomplish the demanding turning applications of today and tomorrow. Furthermore, with available live tooling (2 options available), C-axis, Y-axis, and sub-spindle capabilities; milling, drilling, and front / back-end turning applications may be completed in one single machine.

Live Tooling *1	I	II
Max. turning diameter	Ø 15.74" (400 mm)	Ø 18.11" (460 mm)
Driver motor	Built-in type motor	Servo motor
Live tooling shank size	Ø 1.02" (26 mm) (ER40)	Ø 0.78" (20 mm) (ER32)

*1. Individual models may vary, please see "Specifications" page.

- 30° slant-bed design provides smooth chip disposal and easier operator access.
- Stainless steel way covers and special steel wipers molded with industrial strength rubber are used for durability.
- Fully enclosed splashguards keep chips and coolant contained for a safe clean working environment.
- The auto lubrication system delivers metered amounts of lubrication to the slide ways, ball screws, and vital components. Distribution is automatically shut off during idling to prevent waste.

CAPACITY	GS-2000	GS-2600	GS-2800
Max. swing diameter	Ø 630 mm (24.80")		
Swing over saddle	Ø 630 mm (24.80")		
Max. turning diameter	I: Ø 400 mm*1 (15.74") II: Ø 460 mm (18.11")		
Max. turning length	I: Ø 691 / 1,441 mm*1 (27.2" / 56.7")	I: Ø 664 / 1,414 mm*1 (27.2" / 55.7")	I: Ø 595 / 1,345 mm*1 (23.4" / 52.9")
	II: Ø 800 / 1,550 mm*1 (31.5" / 61.0")	II: Ø 779 / 1,529 mm*1 (31.5" / 61.0")	II: Ø 710 / 1,460 mm*1 (31.5" / 61.0")
Chuck size	8"	10"	12"

SPINDLE	GS-2000	GS-2600	GS-2800
Chuck size	8"	10"	12"
Hole through spindle	Ø 66 mm (2.59")	Ø 76 mm (2.99")	Ø 90 mm (3.54")
Bar capacity	Ø 51 mm (2.00")		
Spindle nose	A2-6	A2-8	A2-8
Spindle bearing diameter	Ø 100 mm (3.93")	Ø 120 mm (4.72")	Ø 140 mm (5.51")
Spindle speed range	48 ~ 4,800 rpm	40 ~ 4,000 rpm	35 ~ 3,500 rpm
Spindle motor output	15 / 18.5 kW*2 (20.45 / 25.22 HP) 22 / 26 kW*3 (30 / 35.45 HP)		

SUB-SPINDLE (OPTIONAL)	
Chuck size	6"
Hole through spindle	Ø 46 mm (1.81")
Bar capacity	Ø 38 mm (1.49")
Spindle nose	A2-5
Spindle bearing diameter	Ø 80 mm (3.14")
Spindle speed range	60 ~ 6,000 rpm
Spindle motor output	5.5 / 7.5 HP (7.5 / 10.22 kW*2) 11 / 15 HP (15 / 20.45 kW*3)

X & Z AXES	GS-2000	GS-2600	GS-2800
Max. X-axis travel	280 mm (11.02")		
Max. Z1-axis travel	800 / 1,550 mm (L model) (31.49" / 61.02")		
Max. Y-axis travel	100 mm = ± 50 mm (3.93" = ± 1.96")		
Max. Z2-axis travel (Tailstock)	740 / 1,490 mm (L model) (29.13" / 58.66")		
Z1-axis servo motor	4.5 kW*2 / 3.5 kW*3 (6.13 HP / 4.77 HP)		
X-axis servo motor	4.5 kW*2 / 3.5 kW*3 (6.13 HP / 4.77 HP)		
Y-axis servo motor	4.5 kW*2 / 3.5 kW*3 (6 HP / 4.7 HP)		
Z2-axis servo motor	3.0 kW*2 / 2.0 kW*3 (4.09 HP / 2.72 HP)		
Z-axis ball screw Ø / pitch	Ø 36 mm (1.41") / 10 mm (0.39")		
X-axis ball screw Ø / pitch	Ø 36 mm (1.41") / 10 mm (0.39")		
Y-axis ball screw Ø / pitch	Ø 32 mm (1.25") / 8 mm (0.31")		
B-axis ball screw Ø / pitch	Ø 36 mm (1.41") / 10 mm (0.39")		
Z-axis rapids	30 m / min. (1181.1 IPM)		
X-axis rapids	30 m / min. (1181.1 IPM)		
Y-axis rapids	10 m / min. (393.7 IPM)		
B2-axis / tailstock rapids	30 / 7 m / min. (1,181.1 / 275.5 IPM)		
C-axis rapids	400 m / min. (15748.0 IPM)		

TURRET	GS-2000	GS-2600	GS-2800
Stations	12 Std.		
OD tool shank size	□ 25 mm (0.98")		
ID tool shank size	I : Ø 50 mm (1.96") II : Ø 40 mm (1.57")		
LIVE TOOLING TURRET (OPTIONAL)	GS-2000	GS-2600	GS-2800
Stations	12		
Live tooling shank size	I : Ø 26 mm (1.02") (ER40) II : Ø 20 mm (0.78") (ER32)		
Live tooling RPM range	I : 6,000 rpm II : 4,000 rpm		
Live tooling drive motor output	I : 3.7 / 5.5 kW (5.04 / 7.5 HP) II : 4.5 kW (6.13 HP)		

TAILSTOCK (OPTIONAL)	GS-2000	GS-2600	GS-2800
Quill diameter	Ø 80 mm (3.14")		
Quill center taper	MT#3 (Built-in spindle type, Dead quill) Op. MT#4 (Live quill)		

*1 : I : Built-in type motor live tooling turret with ER40 rotary toolholder.

II : GS-200 series live tooling turret with ER32 rotary toolholder.

*2 : FANUC Control

*3 : MITSUBISHI Control

*4 : Specifications are subject to change without notice.