

GI SERIES



			GI-10N		GI-20N						
ITEM			UNIT	S BK KIT	S HK KIT	S KIT	CENTER REST	SWING-TYPE AUTO FACING	2WS	4WS	
CAPABILITY	Grindable bore	mm	ø3 ~ 150		ø5 ~300 (ø0.20 ~ 11.81) / ø100 (ø3.94) wheel						
	Grindable hole length	mm	~ 150		-						
	OD Grinding range*1	mm (in)	-		ø200 (ø7.87) / ø100 (ø3.94) wheel ø300 (ø11.81) / ø100 (ø3.94) wheel (option)						
	Max grinding length*2		-		~ 200 (7.87)		~ 300 (11.81)		~ 200 (7.87)		~ 130 (5.12)
	Chuck jaw grinding dia		-		300 (11.81) + wheel dia						
	Swing over table	mm	ø400		-						
	Swing within chuck cover	mm	ø350		ø400 (15.75)						
	Work length	mm	~ 150		~ 200 (7.87)		~ 400 (15.75)		~ 200 (7.87)		~ 130 (5.12)
Work mass x length	kg x mm	100 x 150		150 x 200 (330 x 7.87)							
CROSS SLIDE (X ₀ -AXIS)	Travel	mm (in.)	300		-50 ~ 150 (-1.97 ~ 5.91)						
	Feedrate	mm/min	ø0.02 ~ ø6,000		-						
	Rapid traverse	mm/min	ø20,000		-						
	Minimum unit	mm/min	ø0.0001		-						
	Travel/ pulse-handle revolution	mm (in.)	-		ø0.1, ø1.0, ø5.0 (ø0.004, ø0.04, ø0.20)						
	Travel/ pulse-handle graduation	mm (in.)	-		ø0.001, ø0.01, ø0.05 (ø0.00004, ø0.0004, ø0.002)						
	Auto-infeed rate	mm/min (ipm)	-		ø0.0012 ~ ø6,000 (ø0.0005 ~ ø236.22)						
	Positioning rate	mm/min (ipm)	-		ø12,000 (ø472.44)						
TABLE (Z-AXIS)	Travel	mm	350		500 (19.69)						
	Feedrate	mm/min	0.02 ~ 3,000		0.1, 1.0, 5.0 (0.004, 0.04, 0.20)						
	Table oscillation amount	mm (in)	5		Max 5 (0.20) (via parameters)						
	Table oscillation frequency	times/min	~ 500		335, 293, 260, 234, 213, 195, 180, 167, 156, 146 (via parameters)						
	Rapid traverse	mm/min	30,000		-						
	Minimum unit	mm	0.0001		-						
	Travel/ pulse-handle revolution	mm (in)	-		0.1, 1.0, 5.0 (0.004, 0.04, 0.20)						
	Travel/ pulse-handle graduation	mm (in)	-		0.001, 0.01, 0.05 (0.00004, 0.0004, 0.002)						
	Auto-infeed rate	mm/min (ipm)	-		0.0006 ~ 3,000 (0.00002 ~ 118.11)						
	Positioning rate	mm/min (ipm)	-		12,000 (472.44)						
WORK SPINDLE	Spindle nose diameter	mm (in)	ø100		ø100 (ø3.94)						
	Spindle bore	mm	ø70		ø70 (ø2.76)						
	Spindle speed	min ⁻¹	100 ~ 1,000		100 ~ 750						
	Spindle speed settings (C-axis)		-		Infinitely variable (by NC programming)						
HEAD	Swivel angle	degree	-		10						
MOTORS	Wheel	kW (hp-p)	5.5 - 2	select	5.5 (7.5)-2						
	Workhead	kW (hp)	4	X-Y-Z: 4.6 (6.13)	4.0 (5.5) (brushless motor)						
	Cross slide (X-axis)	kW	2		2.0 (2.7) (brushless motor)						
	Table (Z-axis)	kW	3		3.0 (4.0) (brushless motor)						
	Hydraulic lube pump	kW -p	0.4 -4		0.75 (1)-4						
	Coolant pump	kW -p	0.25 -2		0.25 (0.34) -2						
	ID spindle cooling pump	kW -p	-	0.18 - 2	-						
	End face infeed Z ₀ -axis	Kw (HP)	-		10.5 (0.67) (brushless motor)						
WHEELHEAD	Swivel angle	deg	-		5						
	Travel (left-right)	mm (in)	-		350 (13.78)						
WHEEL DRESSER	Travel (OD)	mm (in)	-		70 (2.76) rapid traverse [air drive]						
AUTO SWING-TYPE	Swivel (hydraulic)		-		-	90	-				
	Max swivel angle	deg	-		-	90	-				
TANK CAPACITY	Hydraulic lube	L	40		velocity No. 6 (Mobile oil), 40 (10.6)						
	Coolant	L	200		180 (47.6)						
	ID spindle cooling	L	-	40	-						
END FACE INFED (Z ₀ -AXIS)	Z-axis travel	mm (in)	-		-	80 (31.5)	-				
	Travel/ pulse handle increments	mm (in)	-		-	0.1, 1.0, 5.0, (0.004, 0.04, 0.020)	-				
	Travel/ pulse handle increments	mm (in)	-		-	0.001, 0.01, 0.05 (0.00004, 0.0004, 0.002)	-				
	Auto infeed rate	mm/min (ipm)	-		-	0.01 ~ 0(0.004 ~ 1)	-				
	Positioning rate	mm/min (ipm)	-		-	4,000 (157.48)	-				
	Manual positioning offset	mm (in)	-		-	230 (9.06)	-				
MAX CARVE DIMENSIONS	Height	mm	1,900		2,000 (79)						
	Floor space	mm x mm	2,050 x 2,100		2,925 x 3,280 (97 x 104)		3,330 x 3,660 (157 x 123)		4,000 x 3,115 (157 x 123)		
	Mass	kg	3,600		4,200 (9,240)	4,500 (9,900)	4,800 (10,560)		5,000 (11,000)		