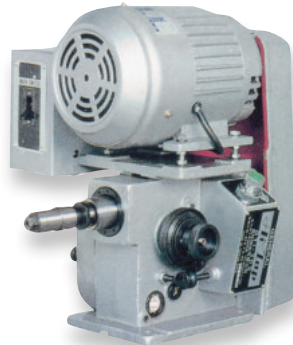


Precision Automated Tapping Machine

GT Series



GT1-203



GT1-204



GT2-223

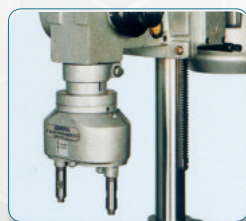
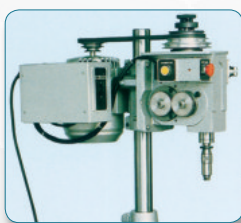


GT3-232

MACHINE SPECIFICATIONS

MODEL	Vertical Type (wgt) GT1-203 approx 97 kg	Horizontal Type (wgt) GT1-204 Approx 50 kg	Vertical Type (wgt) GT2-223 Approx 200 kg	Horizontal Type (wgt) GT2-224 Approx 103 kg	Vertical Type (wgt) GT3-231 Approx 250 kg	Horizontal Type (wgt) GT3-232 Approx 125 kg
Spindle stroke maxi. (mm)	45		65		65	
Lathe swivel dia.(mm)	330		430		460	
Gear tooth dia. (mm)	2Ø ~ 8Ø (under 10Ø)		5Ø ~ 16Ø		10Ø ~ 32Ø	
Vertical travel distance of headstock (mm)	260		300		450	
Distance between spindle end and table maxi.(mm)	350		470		600	
Table size (mm)	225 x 230		340 x 340		340 x 380	
Base area (mm)	415 x 300		580 x 425		600 x 480	
Motor	3 phases 4P 400W (1/2 HP)		3 phases 6P 750W (1 HP)		3 phases 6P 1.5W (2 HP)	
Spindle (RPM)	50 Hz	1340, 760, 420	515, 285, 155		200, 100, 50	
	60Hz	1600, 900, 500	620, 340, 190		240, 120, 60	
Auto feeding geared distance applicable to this machine	Teeth/inch	64, 56, 48, 44, 40, 32, 28, 24, 20, 18, 16	28, 24, 20, 19, 18, 16, 14, 12, 11, 10		19, 16, 14, 12, 11, 10, 9, 8	
	mm	0.2, 0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1.0, 1.25, (11.5)	0.7, 0.8, 0.9, 1.0, 1.25, 1.5, 1.75, 1.8, 2.0, 2.5		1.5, 1.75, 2.0, 2.5, 3.0, 3.5	
Multi-shaft max. Capacity (m/m standard pitch)	3Ø x 10 shaft / 4Ø x 5 shaft / 5Ø x 2 shaft		6Ø x 9 shaft / 8Ø x 4 shaft / 12Ø x 2 shaft		10Ø x 10 shaft / 16Ø x 4 shaft / 20Ø x 2 shaft	

Characteristics



- Automatical precise conveyance & assembly for revolution and thread pitch
- Operator's hands leaving the machine freely is permitted
- Continuous speed cycle available, sturdy and durable
- A Beginner can operate it smoothly
- High precision of tapping stroke, easy adjustment
- Double safety unit preventing screw tap being worn out
- The tapping unit in multiple spindle producing high efficiency of operation

Pneumatic & Hydraulic Drilling Machine

GD Series



Pneumatic GD-100



Pneumatic drilling machine GD-320



GD1-191



MACHINE SPECIFICATIONS

MODEL	GD-100		GD-320	
Spec	Pneumatic drilling machine		Pneumatic drilling machine	
Max. drilling capacity	Ø10 (S45C)		Ø5-32 (S45C)	
Air pressure	5 kg/cm ²			
Horsepower	1HP4P	1HP2P	3HP	5HP
Spindle Speed	3000	6000		
Total stroke	85 cm		200 mm	
Cutting stroke	25mm	50mm		
Working range	Forward 21.6 cm ²			
	Backward 11.6 cm ²			
Weight (Vertical model)	96kg			
Weight (Horizontal model)	45kg			

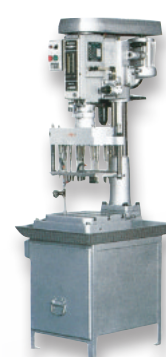
MODEL WITH MULTIPLE-DRILL



Mount on 2-shaft moveable drill for D model



Mount on 4-shaft moveable drill for A model



Mount on fixing type drill

PNEUMATIC DRILLING MACHINE

MODEL	Drilling Capacity (mm)	Front Spindle Shape (mm)	Spindle Stroke (mm)	Spindle Stroke		Rapid Feed Range	Cutter Feed Range (mm)	Cutter Speed Range (mm/mm)	Swiver (mm)	Vertical Bed Travel (mm)	Distance between Spindle Head & Table (mm)	Table Working Area (mm)	Constant Pressure	Motor	Weight
				50 Cycles	60 Cycles										
GD1-191 Type	19 (Steel)	M.T. NO.2	110	450, 750, 1300, 2000 rpm	375, 625, 1080, 1670 rpm	Up to 95 mm	10 ~ 110	Above 40	430	300	160 ~ 460	340 x 340	5 kgf/cm ²	1(HP) 0.75 kw-4P	Approx. 198 kg

Semi-Automated Drilling Machine

GD Series



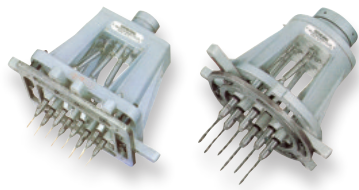
MACHINE SPECIFICATIONS

MODEL	GHD-14S		GHD-14T		GHD-14A		GHD-25S		GHD-25T		GHD-25A	
Spec	Manual drilling machine		Electronic Tapping machine		Auto-feed drilling machine		Manual drilling machine		Electronic Tapping machine		Auto-feed drilling machine	
Max. capacity	Ø16 (S45C)		Drilling Ø16 Tapping M12		Drilling Ø16		Ø25 (S45C)		Drilling Ø25 tapping: M18		Drilling Ø25	
Spindle stroke	100 mm		100 mm		93 mm		140 mm		140 mm		133 mm	
Horsepower	1HP 4P		1HP 4P		1HP 4P		2HP 4P		2HP 4P		2HP 4P	
Speed variation	4		9		4		9		9		9	
Rotation speed	50HZ	480-2300	50HZ	250-960	50HZ	466-1675	50HZ	190-1850	50HZ	190-1850	50HZ	200-1600
	60HZ	550-2700	60HZ	300-1150	60HZ	560-2010	60HZ	230-2380	60HZ	230-2380	60HZ	210-1700
Spindle type	Spindle tape	MT2#	Spindle tape	MT2#	Spindle tape	MT2#	Spindle tape	MT3#	Spindle tape	MT3#	Spindle tape	MT3#
	Spindle nose	JT6 1/2#	Spindle nose	JT6 1/2#	Spindle nose	JT6 1/2#	Spindle nose	JT2 1/2	Spindle nose	JT2 1/2	Spindle nose	JT2 1/2
Weight	92kg		104kg		102kg		1188kg		191kg		201kg	

GDH-14S



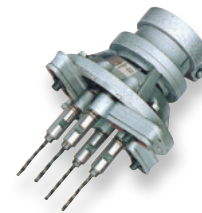
Multi-Shaft Drilling & Tapping Machine



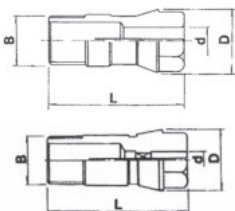
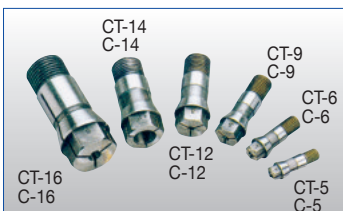
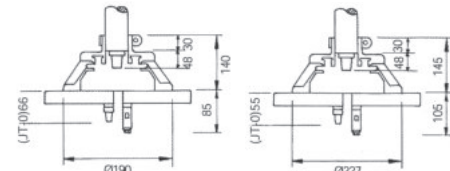
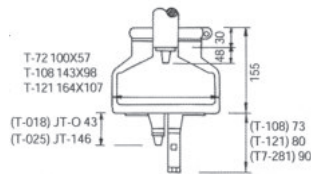
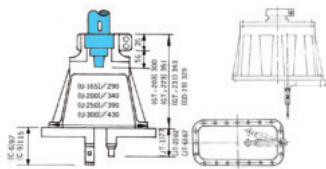
GMU-165 / GMU-200
GMU-250 / GMU-300



GMT-72 / GMT-108 / GMT-121
GMT-214 / GMT-226 / GMT-359



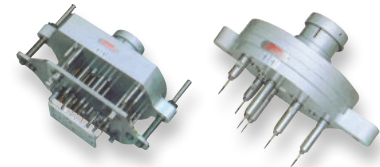
GMA-100 / GMA-124



For Drilling
Remark : ødis shank dia.
of drill



For Tapping
Remark : ødis shank dia.
of tapping



GMK-Fixing type Fixing type has
no limit for shaft's number,
welcome your order.

MACHINE SPECIFICATIONS

MODEL NO.	Max.Range of Centers (m/m)	Lowest Distance (m/m)	Min.Dia	Suitable Model	Suitable Clamp	Maximum Drilling Capacity (mm)	Number Spindle
GMT-70	70	10	Ø10	GT1, GT2, GT3,GD1 Type	Collet: ND-1, NT-1	Ø3.0	2
GMT-72	72	12.5	Ø12.5	GT1, GT2, GT3,GD1 Type	Collet: C-5, CT-5	Ø4.0	2
GMT-90	90	15	Ø15	GT1, GT2, GT3,GD1 Type	Collet: C-6, CT-6	Ø5.0	2
GMT-108	108	18	Ø18	GT1, GT2, GT3,GD1 Type	Collet: C-6, CT-6	Ø6.0	2
GMT-121	121	24	Ø24	GT1, GT2, GT3,GD1 Type	Collet: C-9, CT-9	Ø8.0	2
GMT-125	125	24	Ø24	GT1, GT2, GT3,GD1 Type	Collet: C-6, C-9, CT-6, CT-9	Ø6.0 (Ø8.0)	2
GMT-145	145	24	Ø24	GT1, GT2, GT3,GD1 Type	Collet: C-6, C-9, CT-6, CT-9	Ø8.0 (Ø10)	2
GMT-150	150	29	Ø29	GT1, GT2, GT3,GD1 Type	Collet: C-6, C-9, CT-6, CT-9	Ø6.0 (Ø8.0)	2
GMT-214	214	46	Ø46	GT2, GT3, GT1 Type	Collet: C-12, C-14, CT-12, CT-14	Ø13	2
GMT-226	226	33.5	Ø33.5	GT1, GT2, GT3,GD1 Type	Collet: C-9, C-12, CT-9, CT-12 Drilling clamp: JT-2	Ø9.0	2
GMT-250	250	60	Ø60	GT2, GT3, GD1 Type	Collet: C-14, CD-16, CT-14, CT-16	Ø16	2
GMT-359	359	56	Ø56	GT1, GT2, GT3,GD1 Type	Collet: C-9, C-12, C-14, CT-9, CT12, CT-14 Drilling clamp: JT-2, JT-6	Ø9.0	2
GMA-100	100	18.5	Ø25 (4-shaft)	GT1, GT2, GT3,GD1 Type	Collet: C-6, CT-6	Ø6.0	2 ~ 4
GMA-124	124	27	Ø38 (4-shaft)	GT1, GT2, GT3,GD1 Type	Collet: C-9, CT-9	Ø8.0	2 ~ 4
GNU-165	Ø165 Inside circumference	12.5	Ø18	GT1, GT2, GT3,GD1 Type	Collet: C-5, CT5 Drilling clamp: 3/8" JT-1	Ø4.5	2 ~ 10
GMU-165	Ø165 Inside circumference	18.5 26	Ø18.5 Ø26	GT1, GT2, GT3,GD1 Type	Collet: C-5, CT-5, C-6, CT-6 (for 18.5 type) C-5, C-6, C-9, CT-5, CT-6, CT-9 (for 26 type) Drilling clamp: 3/8" JT-1	Ø6.0 (Ø8.0)	2 ~ 8
GMU-200	Ø200 Inside circumference	18.5 26	Ø18.5 Ø26	GT1, GT2, GT3,GD1 Type	Collet: C-5, C-6, C-9, CT-5, CT-6, CT-9 Drilling clamp: 3/8" JT-1	Ø6.0 (Ø8.0)	2 ~ 10
GMU-250	Ø250 Inside circumference	18.5 26	Ø18.5 Ø26	GT1, GT2, GT3 Type	Collet: C-5, C-6, C-9, CT-5, CT-6, CT-9 Drilling clamp: 3/8" JT-1	Ø8.0	2 ~ 12
GMU-300	Ø300 Inside circumference	18.5 26	Ø18.5 Ø26	GT1, GT2, GT3 Type	Collet: C-5, C-6, C-9, CT-5, CT-6, CT-9 Drilling clamp: 3/8" JT-1	Ø8.0	2 ~ 15
GMK-	Ø Unlimited	10 Above	Ø10 Above	Unlimited	Collet: C-5, C-6, C-9, CT-5, CT-6, CT-9, C-12, C-16, CT-12, CT-14, CT-16	Unlimited	Unlimited

Tapping Unit and Tapping Chunk

TAPPING UNIT, WF TYPE SPECIFICATIONS

SPECIFICATIONS	Tapping Ability	Tapping Chuck Type	Outer Dia. D	Length L
WF 0/JT 1	M3~M8 (M10) U1/8~U5/16 (U3/8)	0	23	39
WF 1/JT 2	M3~M12 (M14) U1/8~U9/16 Pipe 1/8"~1/4"	1	32	44
WF 2/ MT 2, MT 3	M8~M22 U3/8~U7/8 Pipe 1/8"~1/2"	2	50	61
WF 3/ MT 3	M16~M38 U3/4~U1 7/8 Pipe 1/2"~1 1/8"	3	72	91
Specifications	Tapping Ability	Tapping Chuck Type	Outer Dia. D	Length L
WF 0/JT 2	M3~M8 (M10) U1/8~U5/16 (U3/8)	0	23	55
WF 1/JT 6 or JT 2	M3~M12 (M14) U1/8~U9/16 Pipe 1/8"~1/4"	1	32	65

RADIAL FLOATING TAPPING UNIT, WFP TYPE SPECIFICATIONS

SPECIFICATIONS	Tapping Ability	Tapping Chuck TYPE	Radial Correction Floating Capacity	Outer Dia. D	Length L
WFP 0/JT 1	M3~M8 (M10) U1/8~U5/16 (U3/8)	0	0.25	23	59
WFP 1/JT 2	M3~M12 (M14) U1/8~U9/16 Pipe 1/8"~1/4"	1	0.5	32	65
WFP 2/MT 2, MT 3	M8~M22 U3/8~U7/8 Pipe 1/8"~1/2"	2	1	50	91
WFP 3/MT 3	M16~M38 U3/4~U1 7/8 Pipe 1/2"~1 1/8"	3	1.5	72	132
Specifications	Tapping Ability	Tapping Chuck TYPE	Radial Correction Floating Capacity	Outer Dia. D	Length L
WFP 0/JT 2	M3~M8 (M10) U1/8~U5/16 (U3/8)	0	0.25	23	86
WFP 1/ JT or JT 6	M3~M12 (M14) U1/8~U9/16 Pipe 1/8"~1/4"	1	0.5	32	100

TAPPING CHUCK SPECIFICATIONS

SPECIFICATIONS	Tapping Ability	Tapping Chuck TYPE	D	D1	D2	L1	L3	L4	L5
WE 0	M3~M8 (M10)	0	22	12.5	13	15	4	19.5	7
WE 1	M4~M12 (M14)	1	30	19	19	17	4	21.5	7
WE 2	M8~M22	2	48	30	31	30	5	35.5	11
WE 3	M16~M38	3	70	47	48	44	6	55.5	14