

Gun Drilling Machines



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Introduction

LPR Global provides Gun Drilling Machines and Tools for production of precise holes with high depth-to-diameter ratios up to 200:1, and fast cutting speeds up to 5 times those of conventional twist drills. Gun Drilling Machines are used for parts manufacturing in a wide range of industries including automotive, energy and mold & die. With 3 decades of experience as a machine manufacturer, we have supplied over 600 gun drilling machines for various general and specialized applications. We design and manufacture gun drilling tools and accessories in-house to ensure high tool accuracy and long tool life.

LPR Gun Drilling Machine Benefits

- High quality cast iron components for increased machine stability
- Compact machine designs for reduced floorspace consumption
- Solid carbide gun drills provide high rigidity, resulting in faster feed rates and a superior surface finish compared to twist drill
- Long tool life and easy maintenance as gun drills can be easily reground using conventional tool grinders
- Tight tolerance for hole tolerance, roundness and cylindricity are easily achieved
- Perform complex drilling operations such as overlapping holes, cross holes, tilted holes, multiple diameter holes, and holes on angular, round or curved surfaces
- Hole straightness within 1 mm over a depth of 1000 mm

Product Overview

	KHG	KEG	KEXG	KHBG	KHBW	KHRG	KDG	KTBG
Drilling Spindles	1	1-2	1-2	1	1	1	1-4	1
Drilling Diameter (mm)	3-32	3-32	2-12	7-20 16-65	7-20 16-65	3-32	3-32	7-32 16-65
Max. Drilling Depth (mm)	1500	600/ 800/ 1000	400/ 600/ 800	1500 2100	1500 2100	1500/ 1800	400/ 600/ 800	2150
Spindle motor power (kW)	5.5/7.5	5.5/7.5	1.5-7.5	22/26	22/26	15/18	1.5-5.5	22/26
Z axis motor (kW)	1.6	1.6	1.6	7.0	9.0	1.6	1.0-2.1	9.0
Table max loading capacity (kg)	6,000/ 10,000	1,000/ 2,000	1,000	6,000/ 10,000	25,000	6,000/ 15,000/ 22,000/ 25,000	1,000- 2,500	35,000/ 40,000/ 45,000/ 50,000
Machine main body weight (kg)	24,000/ 26,000/ 27,000/ 28,000	700/ 7,500/ 7,700/ 9,000	4,900/ 5,200/ 5,500	25,000/ 28,000	30,000/ 32,000/ 34,000	30,000/ 45,000/ 50,000/ 55,000	7,900/ 8,300/ 8,500	36,000/ 40,000/ 43,000/ 45,000
Additional details	Fanuc CNC System Ball Screw Drive System Solid Carbide Drills							

KHG Series

Column-Type Gun Drilling Machine

The Column-Type Gun Drilling Machine with NC control is designed for processing large and heavy workpieces. It is ideal for applications in the Mold and Die industries such as deep hole drilling of ejector pin holes and waterlines in injection molds.

An optional spindle is available for tapping and chamfering holes after gun drilling is completed.

KHG series machines enable easy configuration of the workpiece, tool positioning, drilling depth and feed rate. This quick set up allows drilling of various holes of different depths on one work piece to meet mass production needs.

MODELS: 1500 | 2000 | 2500 | 3000 CNC



Standard Accessories

- AC spindle motor
- Spindle oil mist lubrication
- Slideway auto lubrication
- Whip guide (2 units)
- Overflow sensor
- Spindle load monitor
- Coolant level monitor
- Adjustable drill holder
- RS 232C interface
- Cartridge filter with pressure gauge
- Magnetic separator combined with chip conveyor
- Chip tray
- NC unit (FANUC series)

Optional Accessories

- Working scaffold & stairs
- Y-Axis stroke (1600 str.)
- Refrigerated oil cooler
- Centrifuge separator
- Scraping chip conveyor
- Auto coolant retriever
- Oil leak prevention cover for table
- Safety cover (Z axis)

KHG Series Specifications

Machining Capacity	Hole Diameter [mm]	3-32
	Max. Drill Depth [mm]	1500
	Spindle Speed [rpm]	1250-6600
Travel	X-Axis (Table Cross) [mm]	1500 / 2000 / 2500 / 3000
	Y-Axis (Table Vertical) [mm]	1300 (Optional: 1600)
	Z-Axis (Spindle Horizontal) [mm]	2020
Spindle Feed Mechanism	Lead Screw	
Power	Spindle Motor [kW]	5.5 / 7.5 (Fanuc)
	Z-Axis Motor [kW]	1.6 (Fanuc)
	Y-Axis Motor [kW]	4.0 (Fanuc)
	X-Axis Motor [kW]	4.0 (Fanuc)
	High Pressure Pump Motor [kW]	15
	Chip Flow Pump Motor [kW]	0.75
	Cascade Pump Motor [kW]	1.5
Speed	Cutting Feed (Z-Axis) [mm/min]	0-500
	Rapid Traverse (Z-Axis) [mm/min]	5000
	Table Rapid Traverse (X-Axis) [mm/min]	3000
	Table Rapid Traverse (Y-Axis) [mm/min]	3000
Table	Max. Loading Capacity [kg]	8000 / 10000
	Size [mm]	1520 x 2000 / 2500
Coolant Unit	Tank capacity [L]	1200
	Max. Pressure [kg/cm ²]	100
	High Pressure Pump Max. Discharge [L/min]	55
	Chip Flow Pump Max. Discharge [L/min]	21.6
	Cascade Pump Max. Discharge [L/min]	270 (head of pump:8m)
	Filtration [μ]	50
Floor Space [mm]	5300 x 5280 / 5780 / 6380 / 6830	
Machine Weight [kg]	24000 / 26000 / 27000 / 28000	
Power [kVA]	45	
NC Unit	FANUC Series	

KEG Series

Knee-Type Gun Drilling Machine

The Knee Type Gun Drilling Machine with NC control is designed for processing large and heavy workpieces. It is ideal for producing multiple holes in plastic injection molds, hydraulic manifolds and heat exchangers. With both manual and automatic operation modes, the KEG series allows for easy setup of the workpiece, tool position, drilling depth and feed rate. The various models in the series are suited to different drilling depth and workpiece weight requirements.

MODELS: 600 | 800 | 1000S | 1000 CNC



Standard Accessories

- AC spindle motor
- Spindle oil mist lubrication
- Slideway auto lubrication
- Whip guide (2 units)
- Overflow sensor
- Spindle load monitor
- Coolant level monitor
- Adjustable drill holder
- RS 232C interface
- Cartridge filter with pressure gauge
- Magnetic separator combined with chip conveyor
- Chip tray
- NC unit (FANUC series)

Optional Accessories

- Working scaffold & stairs
- Y-Axis stroke (1600 str.)
- Refrigerated oil cooler
- Centrifuge separator
- Scraping chip conveyor
- Auto coolant retriever
- Oil leak prevention cover for table
- Safety cover (Z axis)

KEG Series Specifications

Machining Capacity	Hole Diameter [mm]	3-32
	Max. Drill Depth [mm]	600 / 800 / 1000
	Spindle Speed [rpm]	1250-6600
Travel	X-Axis (Table Cross) [mm]	460 / 560 / 800
	Y-Axis (Table Vertical) [mm]	250 / 500
	Z-Axis (Spindle Horizontal) [mm]	1020 / 1220 / 1520
Spindle Feed Mechanism	Lead Screw	
Power	Spindle Motor [kW]	5.5 / 7.5 (Fanuc)
	Z-Axis Motor [kW]	1.6 (Fanuc)
	Y-Axis Motor [kW]	3.0 / 4.0 (Fanuc)
	X-Axis Motor [kW]	1.6 (Fanuc)
	High Pressure Pump Motor [kW]	15
	Chip Flow Pump Motor [kW]	0.75
	Cascade Pump Motor [kW]	1.5
Speed	Cutting Feed (Z-Axis) [mm/min]	0-500
	Rapid Traverse (Z-Axis) [mm/min]	5000
	Table Rapid Traverse (X-Axis) [mm/min]	3000
	Table Rapid Traverse (Y-Axis) [mm/min]	2000
Table	Max. Loading Capacity [kg]	1000 / 2000
	Size [mm]	600 x 1000 / 800 x 1100 / 1000 x 1500
Coolant Unit	Tank capacity [L]	1200
	Max. Pressure [kg/cm ²]	100
	High Pressure Pump Max. Discharge [L/min]	57
	Chip Flow Pump Max. Discharge [L/min]	21.6
	Cascade Pump Max. Discharge [L/min]	270
	Filtration [μ]	50
Floor Space [mm]	2700 x 4500 / 2800 x 4600 / 4200 x 4760	
Machine Weight [kg]	7200 / 7500 / 7700 / 9000	
Power [kVA]	45	
NC Unit	FANUC Series	

KEXG Series

Small Diameter Gun Drilling Machines for Precise Parts

The KEXG Series Gun Drilling Machines are designed to produce small diameter holes with tight tolerances. It is ideal for high precision applications such as sleeve pin holes and mass production of small to medium-sized parts. Ball lead screws are used to provide superior rigidity and accuracy. An optional workpiece rotation mechanism is available for enhanced productivity.

MODELS: 400 | 600 | 800 CNC (1-2 Spindles)



Standard Accessories

- AC spindle motor
- Spindle oil mist lubrication
- Slideway auto lubrication
- Whip guide (2 units)
- Overflow sensor
- Spindle load monitor
- Coolant level monitor
- Adjustable drill holder
- RS 232C interface
- Cartridge filter with pressure gauge
- Magnetic separator combined with chip conveyor
- Chip tray
- NC unit (FANUC series)

Optional Accessories

- Working scaffold & stairs
- Y-Axis stroke (1600 str.)
- Refrigerated oil cooler
- Centrifuge separator
- Scraping chip conveyor
- Auto coolant retriever
- Oil leak prevention cover for table
- Safety cover (Z axis)

KEXG Series Specifications

Machining Capacity	Hole Diameter [mm]	2-12
	Max. Drill Depth [mm]	400 / 600 / 800
Travel	X-Axis (Table Cross) [mm]	460
	Z-Axis (Spindle Horizontal) [mm]	920 / 1120 / 1320
Spindle Feed Mechanism	Lead Screw	
Power	Spindle Motor [kW]	1.5 ~ 7.5 (Fanuc)
	Z-Axis Motor [kW]	1.6 (Fanuc)
	X-Axis Motor [kW]	1.6 (Fanuc)
	High Pressure Pump Motor [kW]	3.7 ~ 5.5
	Chip Flow Pump Motor [kW]	1.5
	Cascade Pump Motor [kW]	0.75
Speed	Cutting Feed (Z-Axis) [mm/min]	0-500
	Rapid Traverse (Z-Axis) [mm/min]	5000
	Table Rapid Traverse (X-Axis) [mm/min]	3000
Table	Max. Loading Capacity [kg]	1000
	Size [mm]	800 x 1100
Coolant Unit	Tank capacity [L]	1200
	Max. Pressure [kg/cm ²]	105
	High Pressure Pump Max. Discharge [L/min]	54
	Chip Flow Pump Max. Discharge [L/min]	21.6
	Cascade Pump Max. Discharge [L/min]	270 (Head of pump: 8m)
	Filtration [μ]	50
Machine Weight [kg]	4900 / 5200 / 5500	
Power [kVA]	35	
NC Unit	FANUC Series	

KHBG Series

Universal BTA + Gun Drilling Machines with Moving Table

The KHBG Series combines BTA Drilling and Gun Drilling in a single machine for faster and highly precise processing of several materials. The moving work table can be loaded with parts of varying sizes and weights. This model caters to hydraulic, construction, chemical, and other industrial applications. An optional angle plate is available specifically for customers in the petrochemical industry who perform tube sheet drilling for heat exchangers.

MODELS: 1500 CNC | 2000 CNC



Standard Accessories

- AC spindle motor
- Spindle oil mist lubrication
- Slideway auto lubrication
- Whip guide (2 units)
- Overflow sensor
- Spindle load monitor
- Coolant level monitor
- Adjustable drill holder
- RS 232C interface
- Cartridge filter with pressure gauge
- Magnetic separator combined with chip conveyor
- Chip tray
- NC unit (FANUC series)

Optional Accessories

- Working scaffold & stairs
- Y-Axis stroke (1600 str.)
- Refrigerated oil cooler
- Centrifuge separator
- Scraping chip conveyor
- Auto coolant retriever
- Oil leak prevention cover for table
- Safety cover (Z axis)

KHBG Series Specifications

Machining Capacity	Hole Diameter [mm]	Gundrill 7-20 BTA 16-65
	Max. Drill Depth [mm]	G: 1500 / BTA : 2100
	Spindle Speed [rpm]	565-2262
Travel	X-Axis (Table Cross) [mm]	1500 / 2000
	Y-Axis (Table Vertical) [mm]	1300 (Optional: 1600)
	Z-Axis (Spindle Horizontal) [mm]	2200
Spindle Feed Mechanism	Ball Screw/Lead Screw	
Power	Spindle Motor [kW]	22 / 26(Fanuc)
	Z-Axis Motor [kW]	4.0 (Fanuc)
	Y-Axis Motor [kW]	4.0 (Fanuc)
	X-Axis Motor [kW]	7.0 (Fanuc)
	High Pressure Pump Motor [kW]	G: 15 / BTA: 45
	Chip Flow Pump Motor [kW]	4.0
	Cascade Pump Motor [kW]	7.7
Speed	Cutting Feed (Z-Axis) [mm/min]	0-500
	Rapid Traverse (Z-Axis) [mm/min]	5000
	Table Rapid Traverse (X-Axis) [mm/min]	3000
	Table Rapid Traverse (Y-Axis) [mm/min]	3000
Table	Max. Loading Capacity [kg]	6000 / 10000
	Size [mm]	1520 x 2000 / 2500
Coolant Unit	Tank capacity [L]	4000
	Max. Pressure [kg/cm ²]	G: 100 / BTA: 70
	High Pressure Pump Max. Discharge [L/min]	G: 55 / BTA: 380
	Chip Flow Pump Max. Discharge [L/min]	1000-14m
	Cascade Pump Max. Discharge [L/min]	450
	Filtration [μ]	50
Floor Space [mm]	5940 x 5280 / 5780	
Machine Weight [kg]	25000 / 28000	
Power [kVA]	165	
NC Unit	FANUC Series	

KHBW Series

Universal BTA + Gun Drilling Machine for Heavy Workpieces

The KHBW series is a combination BTA Drilling and Gun Drilling Machine specially designed for heavier workpieces, while providing fast and high precision performance. With a larger and stronger work table, it can support weights up to 25 tons. This model caters to hydraulic, construction, chemical, and other industrial applications. An optional angle plate is available specifically for customers in the petrochemical industry who perform tube sheet drilling for heat exchangers.

MODELS: W2000 | W2500 | W3000 CNC



Standard Accessories

- AC spindle motor
- Spindle oil mist lubrication
- Slideway auto lubrication
- Whip guide (2 units)
- Overflow sensor
- Spindle load monitor
- Coolant level monitor
- Adjustable drill holder
- RS 232C interface
- Cartridge filter with pressure gauge
- Magnetic separator combined with chip conveyor
- Chip tray
- NC unit (FANUC series)

Optional Accessories

- Working scaffold & stairs
- Y-Axis stroke (1600 str.)
- Refrigerated oil cooler
- Centrifuge separator
- Scraping chip conveyor
- Auto coolant retriever
- Oil leak prevention cover for table
- Safety cover (Z axis)

KHBW Series Specifications

Machining Capacity	Hole Diameter [mm]	(Gundrill) 7-20 (BTA) 16-65
	Max. Drill Depth [mm]	G: 1500 / BTA : 2100
	Spindle Speed [rpm]	565-2262
Travel	X-Axis (Table Cross) [mm]	2000 / 2500 / 3000
	Y-Axis (Table Vertical) [mm]	1300 (Optional: 1600)
	Z-Axis (Spindle Horizontal) [mm]	2200
Spindle Feed Mechanism	Ball Screw/Lead Screw	
Power	Spindle Motor [kW]	22 / 26(Fanuc)
	Z-Axis Motor [kW]	4.0 (Fanuc)
	Y-Axis Motor [kW]	4.0 (Fanuc)
	X-Axis Motor [kW]	9.0 (Fanuc)
	High Pressure Pump Motor [kW]	G: 15 / BTA: 45
	Chip Flow Pump Motor [kW]	4.0
	Cascade Pump Motor [kW]	7.7
Speed	Cutting Feed (Z-Axis) [mm/min]	0-500
	Rapid Traverse (Z-Axis) [mm/min]	5000
	Table Rapid Traverse (X-Axis) [mm/min]	3000
	Table Rapid Traverse (Y-Axis) [mm/min]	3000
Table	Max. Loading Capacity [kg]	25000
	Size [mm]	1600 x 2500 / 1800 x 3000 / 1800 x 3500
Coolant Unit	Tank capacity [L]	4000
	Max. Pressure [kg/cm ²]	G: 100 / BTA: 70
	High Pressure Pump Max. Discharge [L/min]	G: 55 / BTA: 380
	Chip Flow Pump Max. Discharge [L/min]	1000-14m
	Cascade Pump Max. Discharge [L/min]	450
	Filtration [μ]	50
Floor Space [mm]	6280 x 6760 / 7260	
Machine Weight [kg]	30000 / 32000 / 34000	
Power [kVA]	165	
NC Unit	FANUC Series	

KHRG Series

CNC 4-Axis Gun Drilling Machine with Rotary Table

The KHRG series is a Multi-Axis CNC Gun Drilling Machine for producing cooling channels and other complex shapes in molds. It is equipped with a hydraulic toolholder that evenly clamps the tool shank without causing distortions or breakage. The machine also features a moving column and a high precision rotary table, which reduce downtime. With multiple functions including surface finishing and tapping, this model can increase the efficiency and cost effectiveness of your operations.

MODELS: 1600 | 2000 | 2500 | 3000



Standard Accessories

- AC spindle motor
- Spindle oil mist lubrication
- Slideway auto lubrication
- Whip guide (2 units)
- Overflow sensor
- Spindle load monitor
- Coolant level monitor
- Adjustable drill holder
- RS 232C interface
- Cartridge filter with pressure gauge
- Magnetic separator combined with chip conveyor
- Chip tray
- NC unit (FANUC series)

Optional Accessories

- Working scaffold & stairs
- Y-Axis stroke (1600 str.)
- Refrigerated oil cooler
- Centrifuge separator
- Scraping chip conveyor
- Auto coolant retriever
- Oil leak prevention cover for table
- Safety cover (Z axis)

KHRG Series

Machining Capacity	Hole Diameter [mm]	3-32
	Max. Drill Depth [mm]	1500 (Option: 1800)
	Spindle Speed [rpm]	1250-5750
Travel	X-Axis (Table Cross) [mm]	1600 / 2000 / 2500
	Y-Axis (Table Vertical) [mm]	1300 (Optional: 1600)
	Z-Axis (Spindle Horizontal) [mm]	2020
	W-Axis (Column Horizontal) [mm]	1000
Spindle Feed Mechanism	Lead Screw	
Power	Spindle Motor [kW]	15 / 18.5 (Fanuc)
	Z-Axis Motor [kW]	1.6 (Fanuc)
	Y-Axis Motor [kW]	4.0 (Fanuc)
	X-Axis Motor [kW]	7.0 / 9.0 (Fanuc)
	High Pressure Pump Motor [kW]	15
	Chip Flow Pump Motor [kW]	0.75
	Cascade Pump Motor [kW]	1.5
	W-Axis Motor [kW]	9.0
	C-Axis Motor [kW]	7.0 / 6.0
Speed	Tapping Size [mm(Inch)]	M4 – M16 (PT1/8-PT3/4)
	Cutting Feed (Z-Axis) [mm/min]	0-500
	Rapid Traverse (Z-Axis) [mm/min]	5000
	Table Rapid Traverse (X-Axis) [mm/min]	3000
	Table Rapid Traverse (Y-Axis) [mm/min]	3000
Table	Max. Loading Capacity [kg]	6000 / 15000 / 20000 / 25000
	Size [mm]	1400 x 1600 / 1600 x 1800 / 1800 x 2000 / 2000 x 2000
	Min. Indexing [*]	0.01
Coolant Unit	Tank capacity [L]	1200
	Max. Pressure [kg/cm ²]	100
	High Pressure Pump Max. Discharge [L/min]	57
	Chip Flow Pump Max. Discharge [L/min]	21.6
	Cascade Pump Max. Discharge [L/min]	270 (head of pump: 8m)
	Filtration [μ]	50
Machine Weight [kg]	30000 / 45000 / 50000 / 55000	
Power [kVA]	50	
NC Unit	FANUC Series	

KWG Series

Dual-Ended Gun Drilling Machine for Automotive Parts

The KWG series was developed specifically for processing automotive parts such as crankshafts, camshafts, connecting rods, fuel rails, fuel injector bodies, valve guides, nozzles, and more. This machine creates through-holes by drilling simultaneously from opposite sides. It is designed to meet the tight cycle times and precision levels required by automotive parts manufacturers.

MODELS: 2000 | 2500 | 3000 | 3500



	KWG-400-4CNC		KWG-200-6CNC	
Application	Camshaft		Input Shaft	
Material	FCD 25		SCM 420H	
Diameter [mm]	3.6	11	7	8
Speed [rpm]	3800	2300	2200	3200
Cutting Feed [mm/min]	150	150	62	135

Standard Accessories

- AC spindle motor
- Spindle oil mist lubrication
- Slideway auto lubrication
- Whip guide (2 units)
- Overflow sensor
- Spindle load monitor
- Coolant level monitor
- Adjustable drill holder
- RS 232C interface
- Cartridge filter with pressure gauge
- Magnetic separator combined with chip conveyor
- Chip tray
- NC unit (FANUC series)

Optional Accessories

- Working scaffold & stairs
- Y-Axis stroke (1600 str.)
- Refrigerated oil cooler
- Centrifuge separator
- Scraping chip conveyor
- Auto coolant retriever
- Oil leak prevention cover for table
- Safety cover (Z axis)

KDG/KIG Series

Compact Gun Drilling Machine for Mass Production

The KDG/KIG series are compact, self-contained machines with in-built coolant and filtration systems that require minimal floorspace. They are equipped with hydraulic clamps, a lead screw mechanism, and automatic loading, parts handling and transfer systems. Up to 4 spindles are available to aid mass production operations.

MODELS: 400NC | 600NC | 800NC



Standard Accessories

- Spindle oil mist lubrication
- Slideway auto lubrication
- Overflow sensor
- Spindle load monitor
- Coolant level monitor
- Adjustable drill holder
- RS 232C interface
- Cartridge filter with pressure gauge
- Magnetic separator combined with chip conveyor
- Chip tray
- NC unit (FANUC series)

Optional Accessories

- AC spindle motor
- Working scaffold & stairs
- Refrigerated oil cooler
- Centrifuge separator
- Scraping chip conveyor
- Auto coolant retriever
- Oil leak prevention cover for table
- Safety cover (Z axis)

KDG/KIG Series

Machining Capacity	Hole Diameter [mm]	3-24
	Max. Drill Depth [mm]	400 / 600 / 800
Spindle Feed Mechanism	Lead Screw	
Power	Spindle Motor [kW]	1.5-5.5
	High Pressure Pump Motor [kW]	11
	Chip Flow Pump Motor [kW]	0.75
	Cascade Pump Motor [kW]	0.4
Speed	Cutting Feed (Z-Axis) [mm/min]	0-500
	Rapid Traverse (Z-Axis) [mm/min]	5000
Coolant Unit	Tank capacity [L]	1000-2500
	Max. Pressure [kg/cm ²]	100
	High Pressure Pump Max. Discharge [L/min]	57
	Chip Flow Pump Max. Discharge [L/min]	21.6
	Cascade Pump Max. Discharge [L/min]	270 (head of pump: 8m)
	Filtration [μ]	50
Machine Weight [kg]	7900 / 8300 / 8500	
Power [kVA]	40	
NC Unit	FANUC Series	

KTBG Series

Universal BTA + Gun Drilling Machine for Heat Exchangers

The KTBG series is a universal BTA Drilling and Gun Drilling Machine designed for producing coolant channels in heat exchangers. With a fixed work table, it allows precise deep hole drilling for workpieces of various shapes, sizes and weights, up to 40 tons. Angle plates and V-blocks can be installed upon request for tube sheet processing.

MODELS: 2000 | 2500 | 3000 | 3500



Standard Accessories

- AC spindle motor
- Spindle oil mist lubrication
- Whip guide (2 units)
- Overflow sensor
- Spindle load monitor
- Coolant level monitor
- Magnetic separator
- Scraping chip conveyer
- RS 232C interface
- Cartridge filter with pressure gauge
- NC unit (FANUC series)

Optional Accessories

- Refrigerated oil cooler
- Centrifuge separator
- Additional whip guide
- Angle plate
- V-block
- Macro program

KTBG Series

Machining Capacity	Hole Diameter [mm]	7-32 Gundrill 16-65 BTA
	Max. Drill Depth [mm]	2150
	Spindle Speed [rpm]	565-2262
Travel	X-Axis (Table Cross) [mm]	2000 / 2500 / 3000 / 3500
	Y-Axis (Table Vertical) [mm]	1550 / 1550 / 1550 / 1800
	Z-Axis (Spindle Horizontal) [mm]	2150
Spindle Feed Mechanism	Lead Screw	
Power	Spindle Motor [kW]	22 / 26 (Fanuc)
	Z-Axis Motor [kW]	4.0 (Fanuc)
	Y-Axis Motor [kW]	4.0 (Fanuc)
	X-Axis Motor [kW]	9.0 (Fanuc)
	High Pressure Pump Motor [kW]	G: 7.5 / BTA: 30
	Chip Flow Pump Motor [kW]	1.5
	Cascade Pump Motor [kW]	3.0
	Other Motors [mm/min]	1.92
Speed	Column Cross Direction (X-Axis) [mm/min]	3000
	Column Vertical Direction (Y-Axis) [mm/min]	3000
	Rapid Traverse (Z-Axis) [mm/min]	5000
Table	Max. Loading Capacity [kg]	35000 / 40000 / 45000 / 50000
	Size [mm]	1800 x 2800 / 2000 x 3300 / 2200 x 3800 / 2450 x 4000
Coolant Unit	Tank capacity [L]	4000
	Max. Pressure [kg/cm ²]	G: 100 / BTA: 70
	High Pressure Pump Max. Discharge [L/min]	G: 50 / BTA: 350
	Chip Flow Pump Max. Discharge [L/min]	21.6
	Cascade Pump Max. Discharge [L/min]	450
	Filtration [μ]	50
Floor Space	11300 x 7700 / 11800 x 7900 / 12300 x 8100 / 12800 x 8300	
Machine Weight [kg]	36000 / 40000 / 43000 / 45000	
Power [kVA]	116	
NC Unit	FANUC Series	

LPR GLOBAL



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