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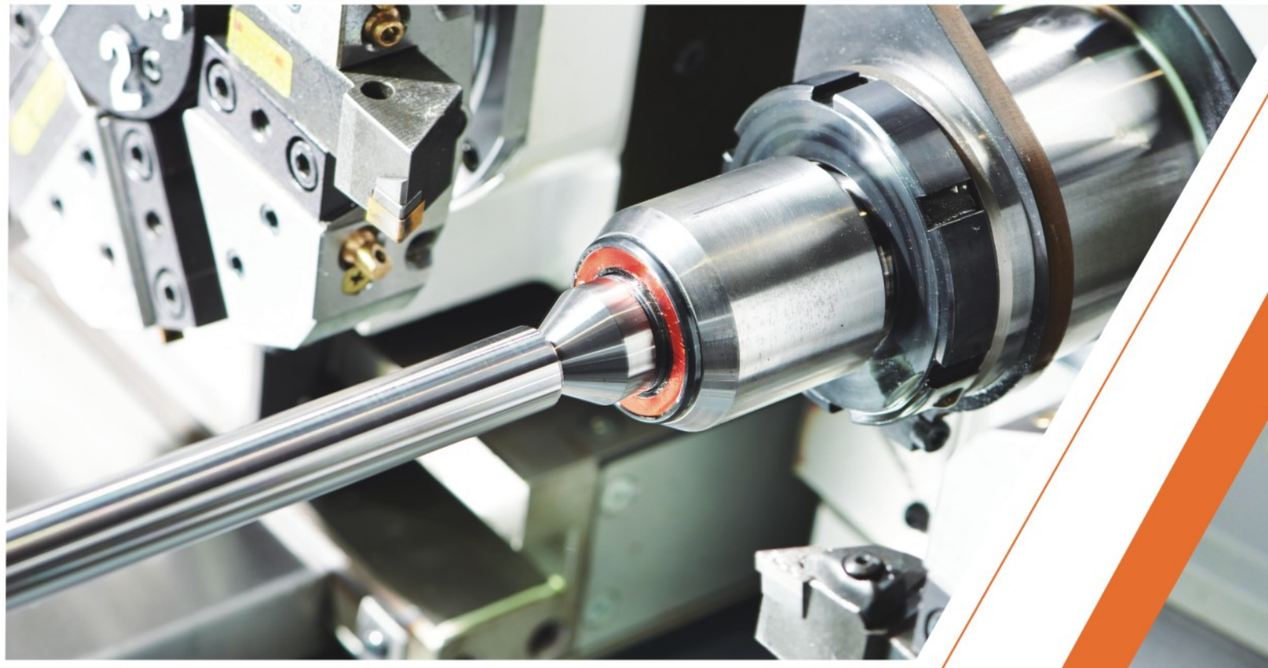
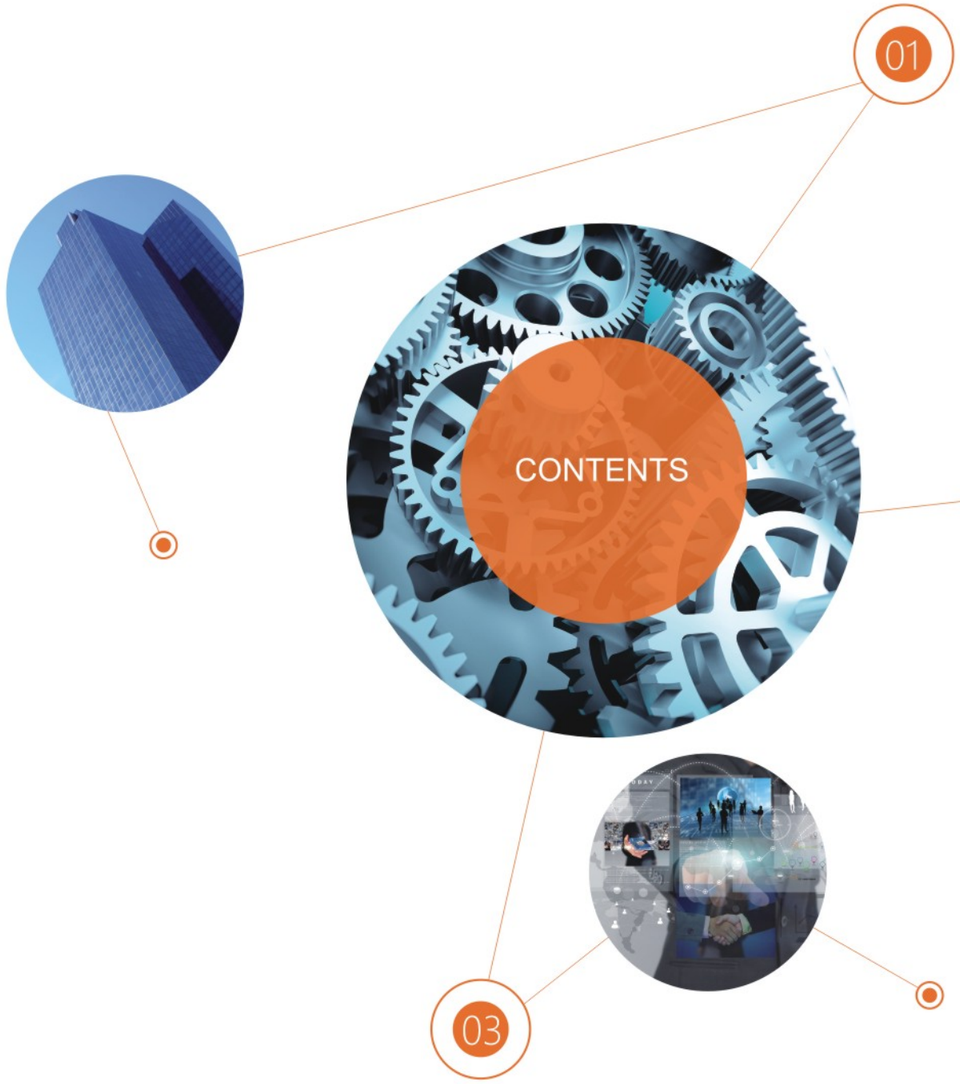


DEEP DRILLING

CNC DEEP HOLE DRILLING EXPERTS

SXKH AUTOMATION INDIA PRIVATE LIMITED



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Company Profile

Ningbo ShunXingKaiHao(SXKH) Machinery Co., Ltd. is located in Ningbo city. The company insists on “Honesty Centered, Quality first, Independent Innovation and Scientific Development”, and mainly engages in researching, manufacturing and selling of mechanical, electronic, hydraulic as well as automatic control equipment. The products include Die Spotting Machine, Mold Flipper, Quick Die Change System, including Hydraulic Clamp, Electro-permanent Magnetic Chuck.

Ever since it has been founded, the company attaches great importance to the development of innovation and quality management. With strong technical force, complete processing equipment and advanced management team, the whole process is strictly supervised by ISO9001 QMS, which ensures both, products' quality and technological advancement. The company obtains many proprietary intellectual property rights and has made great achievements over the past years, and finally formed a perfect marketing network, which covers the domestic as well as European and American markets. “Credit first, Quality first” is the management policy that Ningbo ShunXingKaiHao Machinery Co., Ltd. always holds. The company also believes that superior quality, excellent service.

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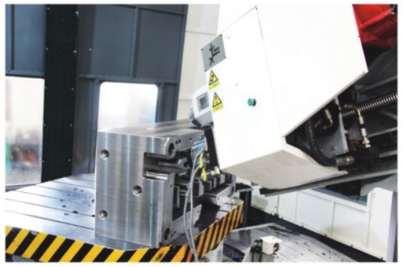
CNC DEEP HOLE DRILLING EXPERTS



seven axis angle millng drilling ing includes about seven axis nc systemfor metal processinf:

- Work around Taiwan travel (X axis)
- The depth of processing travel (W axis)
- Semi circular hard rail rotation angle (A axis)
- Post stroke (Z axis)
- Rotary table (B axis)
- The upper, lower travel (Y axis)
- Strong spindle motor (S axis)

型 号		单 位	MAD-1000	MAD-1613	MAD-2516	MAD-3016
Drilling capacity	Gun drill machining hole diameter	mm	3~35			
	Ejector drill machining hole diameter	mm	–	18~50	18~65	
	Maximum drilling depth in gun drill operation	mm	1000+500	1300+500	1600+500	1600+500
	Maximum drilling depth in ejector deill operation	mm	–	1000	1200	1200
	Tapping capacity	–	M20	M30	M30	M36
	Milling capacity	cc/min	135	200	280	400
Travel	Table horizontal(X)	mm	1300	1600	2500	3000
	Ram travel(Y)	mm	1000	1000	1600	1600
	Column horizontal(W)	mm	500	700	800	900
	Ram titling angle(A)		主轴向上转15度, 向下转25度			
	Spindle center to table top	mm	0~1000	0~1000	0~1600	0~1600
	Distance from table center to spindle nose	mm	450~950	430~1130	460~1260	500~1400
Spindle	Spindle bore taper		BT40	BT50		
	Max.spindle speed	rpm	6000	4000(选配6000)		
Speed	X/Y/Z/W Rapid traverse rate	m/min	8			
	Ram maximum titling speed	Degree/min	215			
	Table maximum rotation speed	rpm	2.7			
Power	Spindle motor	kW	11 / 15(30min)	15 / 18.5 (30min)	18.5 / 22 (30min)	
	X axis servo motor	N.m	28.4		35	
	Y axis servo motor	N.m	28.4		35	
	Z axis servo motor	N.m	28.4		35	
	W axis servo motor	N.m	11.5	18.6	28.4	
	A axis servo motor	N.m	18.6		28.4	
	B axis servo motor	N.m	28.4		35	
	Total power requirement	kW	50	60	75	
CNC indexing worktable	Max.loading capacity	ton	5	15	20	30
	Size (length x Width)	mm	1200 x 1000	1600 x 1600	2000 x 1600	2500 x 1800
Coolant system	Coolant pressure(gun drill)	MPa	2~11			
	Coolant pressure(ejector drill)	MPa	–	1.0~2.0		
	Rate of flow (gun drill)	L/min	6~110			
	Rate of flow (ejector drill)	L/min	–	40~190		
Size & Weigth	Floor space require (Length x Width)	mm	5860x5500	7500x5900	8300x6800	8900x7580
	Machine height	mm	3620	3800	4600	4780
	Machine weight	ton	18	28	38	45
CNC system	CNC system		SYNTEL	选配FANUC 0i-MD		

Multi-axis deep hole drilling metalworking machine set milling, tapping and deep hole drilling process as a whole, the spindle swing-type structure, with the NC rotary table and can be cut and drill hole pattern in a short time exchange mode, it is possible for complex machining operation. For example: deep hole drilling process angle, angle milling and tapping machining angle, the column can move greatly increased flexibility in processing.X, Y, Z, W axes use Taiwan precision linear guides and ball screw, ensure that the machine has good rigidity and precision.

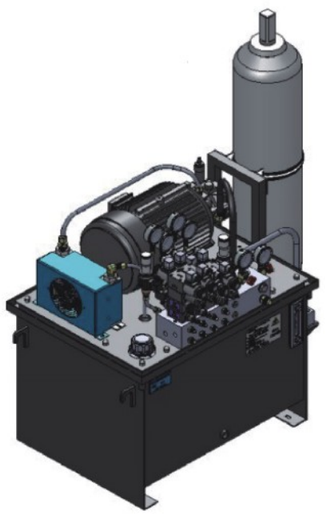
攻　牙

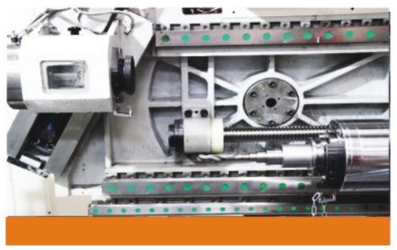
Standard Accessories

- Fully sealed semi-closed shield)
- Lubricating system
- Coolant system
- Hydraulic system
- Data Server
- Service tools and tool box
- Working lamp
- Warning lights
- Chip conveyor system
- Air cooler for electric cabinet
- SYNTEC (SYNTEC CNC system)
- Chiller
- Instrument on the knife

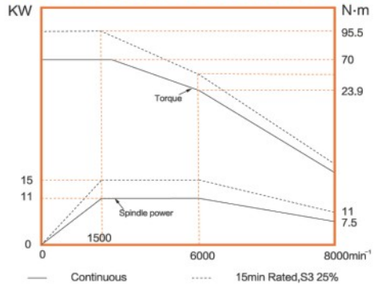
Options Accessories

- Gun drill regrinder
- Gun drill regrinfing fixture
- Chip/oil separator
- Main spindle increase to 6000rpm,ZF Gearbox
- Spindle air blow system
- FANUC Oi-MD
- FANUC 31i-A
- FANUC Oi-MD system(including AICC LL function)
- Mitsubishi System

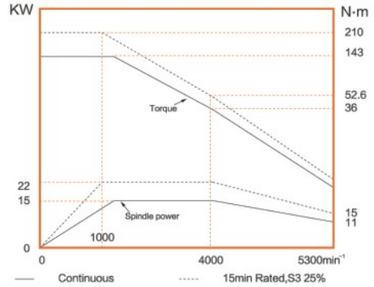




MAD-1000 Spindle Power/Torque Diagram

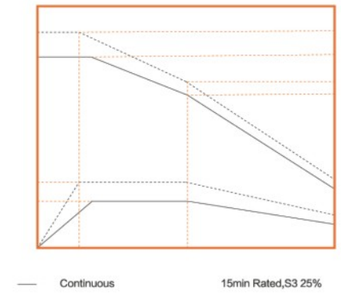


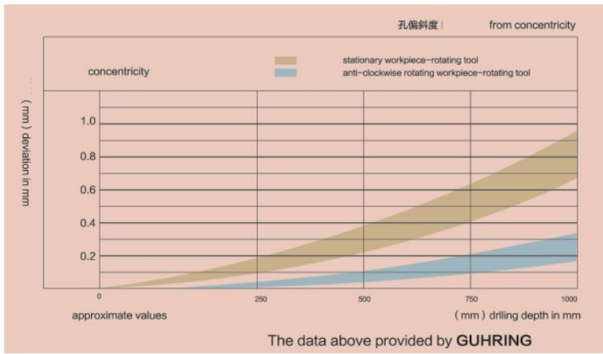
MAD-1613 Spindle Power/Torque Diagram



MAD-2516 MAD-3016

MAD-2516 MAD-3016 Spindle Power/Torque Diagram





The data above provided by **GUHRING**

Micro-3450

NC MICROPOROUS DEEPHOLE DRILLING MACHINE

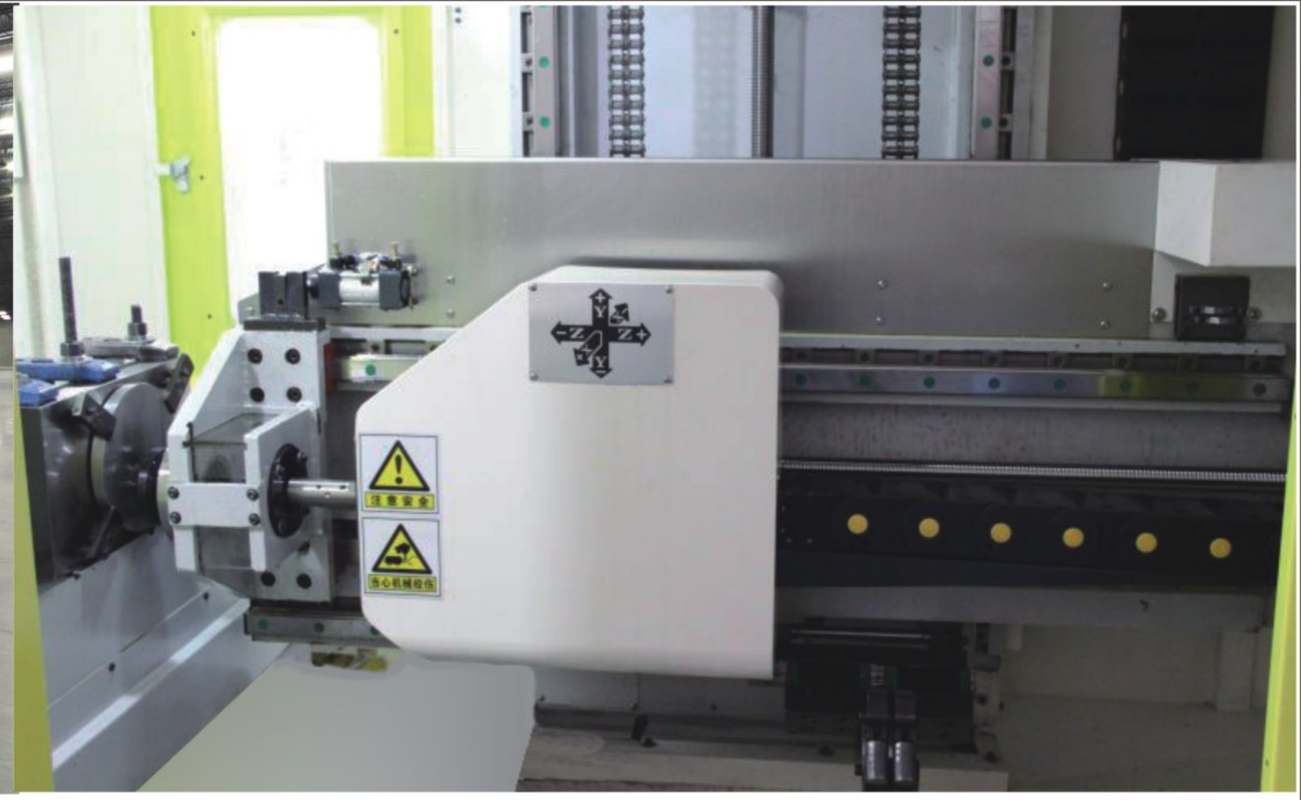
RANGE FROM 1.0 ~ 6 MM HOLE DIAMETER
ϕ1.0~ ϕ6mm

450mm maximum drilling depth, 400×600mm the table size, 2 tons of workbench bearing,4 tons of machine weight, 21 kw machine total power,Cutting fuel tank pressure-of 10Mpa,18 mm workbench T slot, 3800×2400×2000 mm size of machine tools.

TECHNICAL PARAMETERS

Borehole diameter range: φ1~φ6mm
Maximum drilling depth: 450mm
Workbench: 400 * 600mm
The workbench bearing: 2 tons
Weight of machine tool: 4 tons
Dimension of machine tool: 3800 * 2200 * 2000mm
Three axis stroke: Table 450mm X Column 450mm Y
Feed 450mm Z
Spindle speed range (stepless): 500 ~ 15000r/min
Tool feed rate (stepless): 0 ~ 200mm/min (non limiting parameters)
Fast moving speed: 5000mm/min
Electric spindle power: 2.4KW
Three axis servo motor power: X:1KW Y:1KW Z:1KW

Oil Pump Output: 7.5KW
Chip removal machine power: 0.2KW
The temperature control system of power: 3P
Total power of machine tool: 21KW
Cutting oil pressure: 10Mpa
Spindle axis: 1 axis
Aperture accuracy: IT8 ~ IT11
Surface roughness of holes: Ra ≤3.2μm
Hole axis deviation of the reference:
1/1000 (S45#, φ3mm)
Filtering accuracy: 20μm
Table T type slot: 18mm
Damping support frame:1



Micro-3650

NC MICROPOROUS DEEPHOLE DRILLING MACHINE

RANGE FROM 1.0 ~ 6 MM HOLE DIAMETER

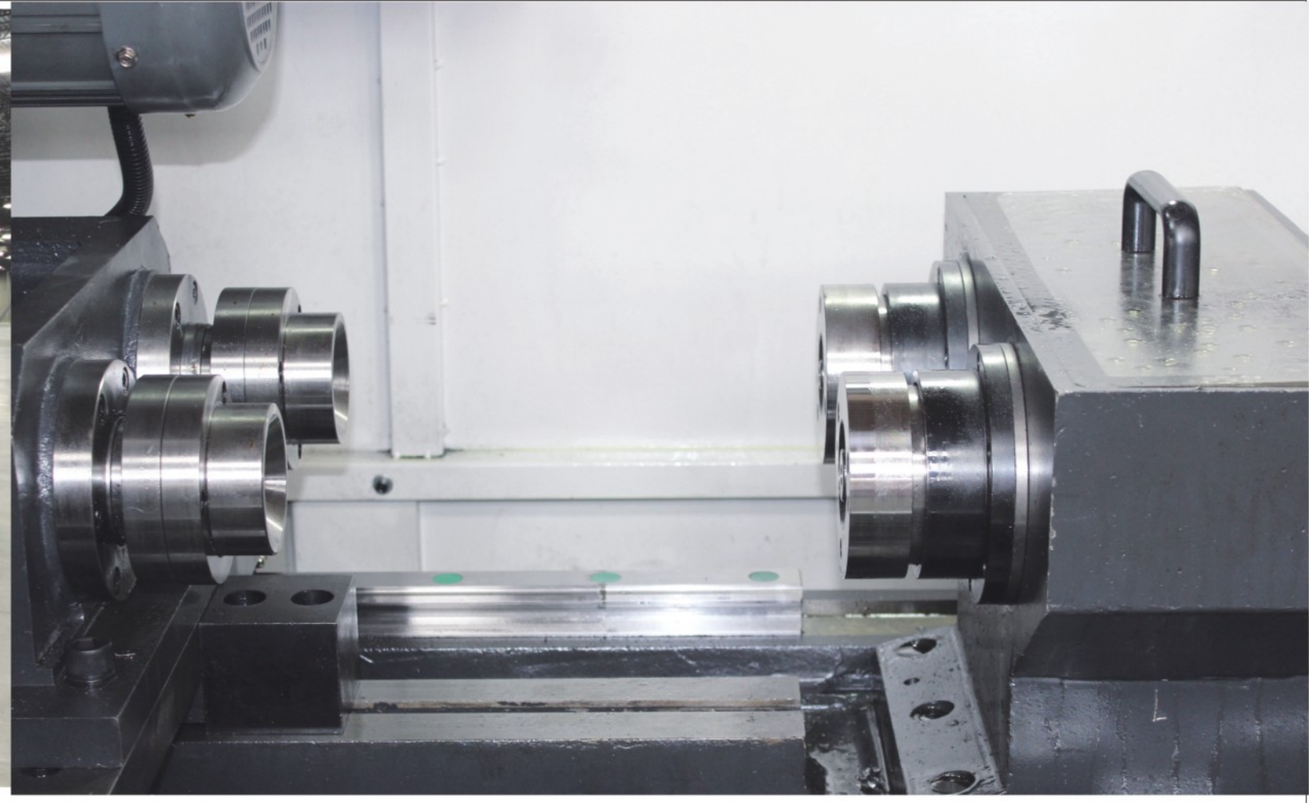
ϕ1.0~ ϕ6mm

600mm maximum drilling depth, 500×800mm the table size, 2 tons of workbench bearing,4 tons of machine weight, 21 kw machine total power,Cutting fuel tank pressureof 10Mpa,18 mm workbench T slot, 4000*2600*2200mm size of machine tools.

TECHNICAL PARAMETERS

Borehole diameter range: φ1～φ6mm
Maximum drilling depth: 600mm
Workbench size: 500 * 800mm
The workbench bearing: 2 tons
Weight of machine tool: 4 tons
Dimension of machine tool: 4000 * 2300 * 2000mm
Three axis stroke: Table 650mm X Column 500mm Y
Feed 650mm Z
Spindle speed range (stepless): 0 ~ 15000r/min
Tool feed rate (stepless): 0 ~ 200mm/min (non limiting parameters)
Fast moving speed: 5000mm/min
Electric spindle power: 2.4KW
Three axis servo motor power: X:1KW Y:1KW Z:1KW

Oil Pump Output: 7.5KW
Chip removal machine power: 0.2KW
The temperature control system of power: 3P
Total power of machine tool: 21KW
Cutting oil pressure: 10Mpa
Spindle axis: 1 axis
Aperture accuracy: IT8 ~ IT11
Surface roughness of holes: Ra ≤3.2μm
Hole axis deviation of the reference:
1/1000 (S45#, φ3mm)
Filtering accuracy: 20μm
Table T type slot: 18mm
Damping support frame:2



Axis-200/1/2/4

CNC DEEP HOLE

DRILLING SHAFT MACHINE

IT8 ~ IT11 APERTURE PRECISION
IT8~IT11

Use a central lubrication way, Cutting oil pressure monitoring, processing process, spindle speed, feed rate and other machining process monitoring,Spindle movement, moves the workpiece rotation,Imported rotary joint spindle connection mode.

TECHNICAL PARAMETERS

Drilling diameter range: φ2.5 ~ φ20mm
Maximum drilling depth: Z1: 200mm Z2: 200mm
Clamping: Pneumatic vertebral disc
Machine weight: 2 tons
Feed stroke: 200mm
Spindle speed range (stepless): 0 ~ 150000r / min
Tool feed rate (stepless): 0 ~ 150mm / min
Fast moving speed: 5000mm / min
Motor power: 2.4KW
Feed servo motor power: 1.3KW
Feeding servo motor: 0.45kw
Pump power: 7.5kw
Total power: 15KW
Cutting oil cooling pressure: 2-100KG / cm2
Cutting oil circulation flow rate: 6-60L / min

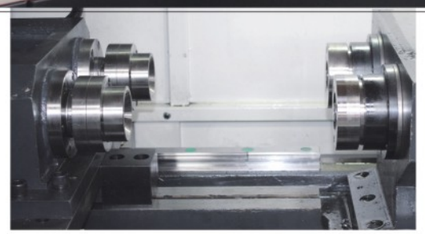
Cutting Fuel tank capacity: 300L
Spindle axes:
2 axes (axis center distance of about 200mm)
Aperture Accuracy: IT8 ~ IT11
Surface roughness of the hole: Ra ≤3.2μm
Bore axis of reference skew:
0.1 / 100mm (Materials # 45, diameter ∮2mm)
Spindle bore runout accuracy: 0.001mm
Filtration precision: 20μm
Exercise: move the spindle, the workpiece rotation
Spindle with tubing connections:
import rotary joint, to prevent oil spills
Rail Lubrication: Grease central lubrication
Coordinate movement:
Z (drilling direction) a standard mobile

Axis-500/2

CNC DEEP HOLE

DRILLING SHAFT MACHINE

PERFECT CUSTOMIZED ACCORDING TO
CUSTOMER'S REQUEST HIGH SPINDLE CENTER



Use a central lubrication, hydraulic monitoring cutting, machining feed, spindle speed, dual-axis can be controlled independently, using imported rotary joint spindle connection.

TECHNICAL PARAMETERS

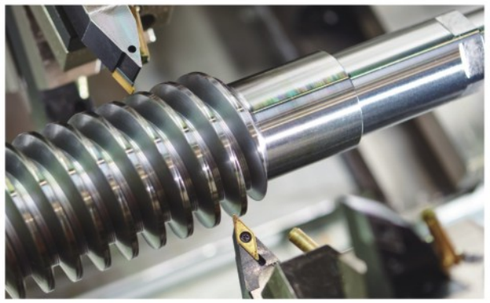
Maximum drilling depth: Z1: 500mm Z2: 500mm
Workbench size: chuck (holding the workpiece diameter: according to customer maximum workpiece outside diameter)
Machine weight: 6 t
Spindle center height: 150mm double-spindle center distance: according to customer requirements
Feed stroke: 550mm
Total power: 45KW
Spindle speed range (stepless): 0 ~ 4500r / min (up to 7000r / min)
Tool feed rate(stepless): 0 ~ 150mm / min
Fast moving speed: 5000mm / min
Spindle motor power: 11KW × 2
Feed servo motor power: 2.0KW×2
Pump power: high-pressure pump: 7.5KW
low-pressure pump: 7.5KW
Hydraulic System Power: 0.75KW
Cutting oil cooling pressure: 2-100KG / cm2
Cutting oil circulation flow rate: 6-60L / min
Cutting Fuel tank capacity: 800L
Spindle axes: 2 axes
Aperture Accuracy: IT8 ~ IT11
Surface roughness of the hole: Ra ≤3.2μm
Bore axis of reference skew:
0.5 / 1000mm (Materials # 45, diameter ∮10mm)
Spindle bore runout accuracy: 0.01mm
Filtration precision: 20μm
Damping support frame: 1
Exercise: move the spindle, chuck rotation
Spindle with tubing connections: import rotary joint, to prevent oil spills
Rail Lubrication: Grease central lubrication
Coordinate movement:
Z (drilling direction) a standard mobile

Axis-300/6

HORIZONTAL VALVE DEEP HOLE DRILLING MACHINE

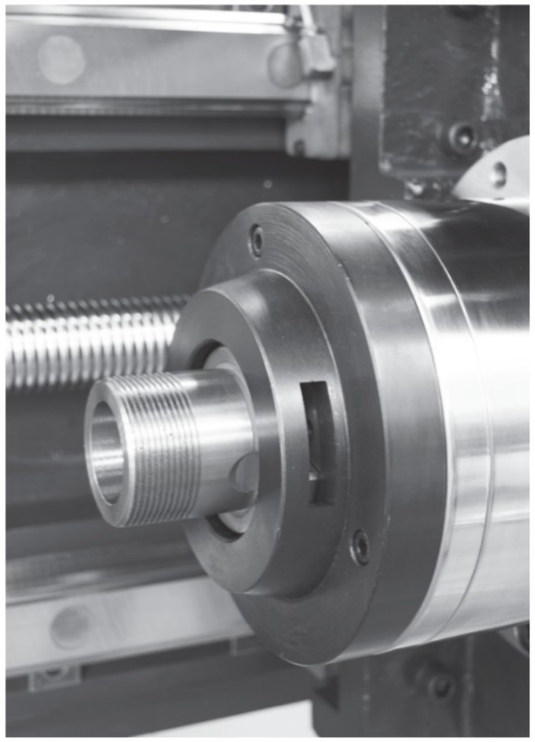
PERFECT CUSTOMIZED ACCORDING TO CUSTOMER'S REQUEST HIGH SPINDLE CENTER

Fully automatic, high efficiency, good configuration, a variety of detection, protection, good stability of the machine



TECHNICAL PARAMETERS

Horizontal valve deep hole drilling machine
Drilling diameter range: φ2～φ8mm
Maximum drilling depth: 300mm
Spindle: 6 axis
Suitable workpiece: charge admittance valve Centering
Spindle feed stroke: 400mm
Positioning axis feed stroke: 400mm
Spindle speed: 100 ~ 8000r / min
Positioning shaft speed: 260
Tool feed rate (stepless): 0 ~ 200mm / min

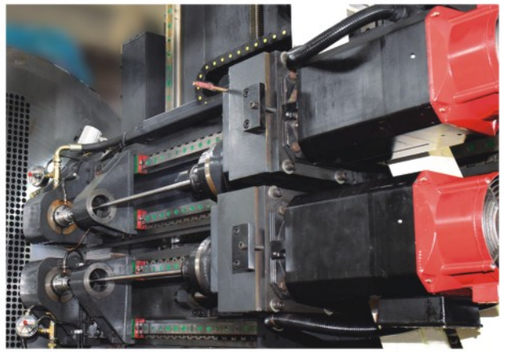


TP-4020/2

DOUBLE SPINDLE CNC DEEP HOLE DRILLING TUBE PLATE MACHINE

STRONG MAGNETIC SEPARATOR COARSE FILTRATION FILTER PAPER TAPE FINE FILTER

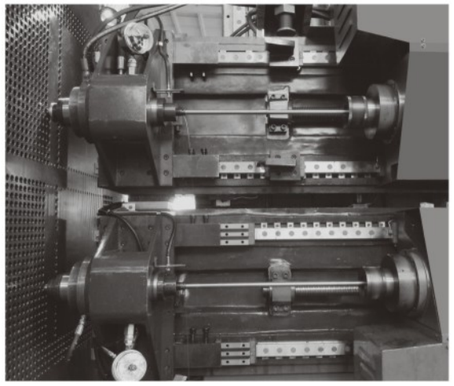
1000 mm maximum thickness of the machined part, φ14-38 mm hole diameter range, 750-2500 r/min spindle speed (servo), 10 mpa center hydraulic station, 3 kw of hydraulic pressure station motor power center, plate chain chip form of removal, FANUC (optional other systems) CNC system, FAGOR full closed loop grating ruler (X, Y), 4500 * 2000 mm table size (length * width).



TECHNICAL PARAMETERS

The hole diameter range (bta drill): φ14～φ38mm
Maximum depth of drilling: 1000mm
Workbench size: 2000*4500mm
The workbench bearing: 40 tons
Machine weight: 50 tons
Machine size: 7500*5000*5100mm
Three axis stroke:
Working table y: 4000mm Column x: 2500m
Feed z1: 1050mm Feed z2: 1050mm
Spindle speed range (stepless): 0 ~ 4500r/min
Tool feed rate(stepless):
0 ~ 200mm/min (non limiting parameter)
Fast moving speed: 5000mm/min
Spindle motor power: 15kw×2
Three axis servo motor power:
Y:4.4kw X:4.4kw Z2:1.3kw Z1:1.3kw
Pump power: 22kw Center hydraulic station: 3kw
Power chip machine temperature control system: 0.55kw
Oil temperature control system power: 3p
Total power of machine tool: 80kw
Cutting oil pressure: 10Mpa
Cutting fuel tank capacity: 2000l
Spindle axis number: 2 Axis

Accuracy: It8 ~ It11
Aperture surface roughness of the hole: Ra ≤ 0.8~1.6 μm
On the basis of the oblique hole axis:
0.5/1000 (s45#, φ19.31mm)
Filter precision: 20 μm
Table t type slot: 22 mm



TP-3020

CNC DEEP HOLE DRILLING TUBE PLATE MACHINE （GUN DRILL）

IT8 ~ IT11 APERTURE PRECISION

1000mm maximum depth of drilling, 38 tons of machine weight, 40 tons of workbench bearing, 60 kw total power of the machine, Cutting fuel tank capacity of 2000 l, 22 mm workbench T slots

Hole diameter range : φ14 ~ φ38mm
Maximum drilling depth: 1000m
Workbench size: 2000 × 3000mm
The workbench bearing: 40 tons　Machine Weight: 38 tons
Machine size: 6500 × 4000 × 4100mm
Three-axis stroke: Table X (3000mm) column Y (2000mm)
Feed Z (1050mm)
Spindle speed range (stepless): 0 ~ 6000r / min
Tool feed rate (stepless):
0 ~ 200mm / min(Non-limiting parameter)
Fast moving speed: 5000mm / min
Spindle motor power: 15KW
lThree-axis servo motor power: X (3.0KW) Y (3.0KW)Z (1.3KW)

Pump power: 30KW　central hydraulic station (3KW)
Chip machine power: 0.2KW
The oil temperature control system of power: 3 P
Total power: 60kw
Cutting oil pressure: 10 mpa
Consumers cut tank capacity: 2000L
Axis spindle axis count: 1
The surface roughness of the hole: Ra ≤3.2μm
Hole axis deflection of benchmark: 0.5/1000
(S45 #, ∮ 19 mm)
Filtration precision: 20 μm
Table T-slot: 22mm

TP-3020

CNC DEEP HOLE DRILLING MACHINE （CHIP）

RANGE FROM 14 ~ 38 MM BTADRILL HOLE DIAMETER

1000 mm maximum drilling depth, 2000 * 3000 mm the table size, 40 tons of workbench bearing, 30 tons of machine weight, 60 kw machine total power, Cutting fuel tank capacity of 2000 l, 22 mm workbench T slot, 6500 * 4000 * 4100 mm size of machine tools

Hole diameter range (BTA drilling): φ14 ~ φ38mm
Maximum drilling depth: 1000m
Workbench size: 2000 × 3000mm
The workbench bearing : 40 tons　Machine Weight: 38 tons
Machine size: 6500 × 4000 × 4100mm
Three-axis stroke: Table X (3000mm) column Y (2000mm)
Feed Z (1050mm)
Spindle speed range (stepless): 0 ~ 6000r / min
Tool feed rate (stepless): 0 ~ 200mm / min
(Non-limiting parameter)
Fast moving speed: 5000mm / min
Spindle motor power: 15KW
lThree-axis servo motor power: X (3.0KW) Y (3.0KW)Z (1.3KW)

Pump power: 30KW　central hydraulic station (3KW)
Chip machine power: 0.2KW
The oil temperature control system of power: 3 P
Total power: 60kw
Cutting oil pressure: 10 mpa
Consumers cut tank capacity: 2000L
Axis spindle axis count: 1
The surface roughness of the hole: Ra ≤3.2μm
Hole axis deflection of benchmark: 0.5/1000
(S45 #, ∮ 19 mm)
Filtration precision: 20 μm
Table T-slot: 22mm

DHD-650

CNC DEEP HOLE DRILLING MACHINE

700MM MAXIMUM DEPTH OF DRILLING

5 tons of machine weight, 3 tons workbench bearing, 25 kw total power of the machine，18 mm workbench T slot, cutting fuel tank capacity of 400 l.

TECHNICAL PARAMETERS

The hole diameter range: ϕ2.5～ϕ20mm
Workbench size: 500×800mm
Machine size: 3800×2300×2200mm
Three axis stroke:(650mm) Y(650mm) Z (750mm)
he spindle speed range (stepless): 0～8000r/min
Tool feed rate (stepless): 0～200mm/min
Fast moving speed: 5000mm/min
The spindle motor power: 5.5KW
Three axis servo motor power:X (1KW)Y (1KW) Z (1KW)
Pump power:(3.7KW) (5.5KW)
Chip removal machine power: 0.2KW
The oil temperature control system of power: 3P
Cutting oil pressure: 10Mpa
Axis spindle axis count: 1
Precision of the aperture: IT8～IT11
The surface roughness of the hole: Ra ≤3.2μm
Hole axis deflection of benchmark:0.5/1000 (S45#,ϕ10mm)
Filtration precision: 20μm
Shock absorption support: 2

TECHNICAL PARAMETERS

The hole diameter range: ϕ2.5～ϕ32mm
Workbench size: 1500×900mm
Machine size: 5300×3500×2800mm
Three axis stroke:X (1300mm) Y(1000mm) Z(1300mm)
The spindle speed range (stepless):0～8000r/min
Tool feed rate (stepless):0～200mm/min
Fast moving speed: 5000mm/min
The spindle motor power: 7.5KW
Three axis servo motor power: X(2.0KW)Y(2.0KW)Z(1.3KW)
Pump power:(3.7KW) (5.5KW)
Chip removal machine power: 0.2KW
The oil temperature control system of power:3P
Cutting oil pressure: 10Mpa
Axis spindle axis count: 1
Precision of the aperture: IT8～IT11
The surface roughness of the hole: Ra ≤3.2μm
Hole axis deflection of benchmark: 0.5/1000(S45#,ϕ10mm)
Filtration precision: 20μm
Shock absorption support: 3

DHD-1313

CNC DEEP HOLE DRILLING MACHINE

1300MM MAXIMUM DEPTH OF DRILLING

11 tons of machine weight, 8 tons workbench bearing, 30 kw total power of the machine，22 mm workbench T slot, cutting fuel tank capacity of 600 l.

DHD-1000

CNC DEEP HOLE DRILLING MACHINE

1000MM MAXIMUM DEPTH OF DRILLING

6 tons workbench bearing, 10 tons of machine weight, 4500 * 3000 * 2600mm machine size, 800 * 1200mm size table, 30 kw total power of the machine, 600 l cutting fuel tank capacity, 22 mm workbench T slots.

TECHNICAL PARAMETERS

The hole diameter range: ϕ2.5～ϕ32mm
Table size: 800×1200mm
Workbench size: 4700×3000×2800mm
Three axis stroke: X (1000mm)
Y (1000mm) Z (1000mm)
The spindle speed range (stepless): 0～8000r/min
Tool feed rate (stepless): 0～200mm/min
Fast moving speed: 5000mm/min
The spindle motor power: 7.5KW
Three axis servo motor power: X (2.0KW)Y (2.0KW)Z (1.3KW)
Pump power:(3.7KW) (5.5KW)
Chip removal machine power: 0.2KW
The oil temperature control system of power: 3P
Cutting oil pressure: 10Mpa
Axis spindle axis count: 1
Precision of the aperture: IT8～IT11
The surface roughness of the hole: Ra ≤3.2μm
Hole axis deflection of benchmark: 0·5/1000(S45#,ϕ10mm)
Filtration precision: 20μm
Shock absorption support: 2个

TECHNICAL PARAMETERS

The hole diameter range: ϕ2.5～ϕ32mm
Workbench size: 1000×1700mm
Machine size: 5400×4000×2800mm
Three axis stroke:X (1600mm)Y (1000mm)Z(1300mm)
The spindle speed range (stepless): 0～8000r/min
Tool feed rate (stepless): 0～200mm/min
Fast moving speed: 5000mm/min
The spindle motor power: 7.5KW
Three axis servo motor power: X (2.0KW)Y(2.0KW)Z(1.3KW)
Pump power:(3.7KW) (5.5KW)
Chi removal machine ower: 0.2KW
The oil temperature control system of power: 3P
Cutting oil pressure: 10Mpa
Axis spindle axis count: 1
Precision of the aperture: IT8～IT11
The surface roughness of the hole: Ra ≤3.2μm
Hole axis deflection of benchmark:0.5/1000(S45#,ϕ10mm)
Filtration precision: 20μm
Shock absorption support: 3

DHD-1613

CNC DEEP HOLE DRILLING MACHINE

1300MM MAXIMUM DEPTH OF DRILLING

8 tons workbench bearing, 12 tons of machine weight, 5400 * 4000 * 2800 mm machine size, 1000 * 1700 mm size table, 30 kw total power of the machine, ,600 l cutting fuel tank capacity, 22 mm workbench T slots.

DHD-1660（1600）

CNC DEEP HOLE DRILLING MACHINE

1600MM MAXIMUM DEPTH OF DRILLING

13 tons of machine weight, 12 tons workbench bearing, 30 kw total power of the machine，22 mm workbench T slot, cutting fuel tank capacity of 600 l.

TECHNICAL PARAMETERS

The hole diameter range：φ2.5～φ32mm
Workbench size：1000×1700mm
Machine size：6000×4200×3000mm
Three axis stroke：X（1600mm）Y（1200mm）Z（1600mm）
The spindle speed range (stepless)：0～8000r/min
Tool feed rate (stepless)：0～200mm/min
Fast moving speed：5000mm/min
The spindle motor power：7.5KW
Three axis servo motor power：X（2.0KW）Y（2.0KW）Z（1.3KW）
Pump power：（3.7KW）（5.5KW）
Chip removal machine power：0.2KW
The oil temperature control system of power：3P
Cutting oil pressure：10Mpa
Axis spindle axis count：1
Precision of the aperture：IT8～IT11
The surface roughness of the hole：Ra ≤3.2μm
Hole axis deflection of benchmark：0.5/1000（S45#，φ10mm）
Filtration precision：20μm
Shock absorption support：3

TECHNICAL PARAMETERS

The hole diameter range：φ2.5～φ32mm
Workbench size：1400×2300mm
Machine size：6100×6500×3100mm
Three axis stroke：X（2200mm）Y（1300mm）Z（1800mm）
The spindle speed range (stepless)：0～8000r/min
Tool feed rate (stepless)：0～200mm/min
Fast moving speed：5000mm/min
The spindle motor power：11KW
Three axis servo motor power：X（3.0KW）Y（3.0KW）Z（1.3KW）
Pump power：（3.7KW）（5.5KW）
Chip removal machine power：0.2KW
The oil temperature control system of power：3P
Cutting oil pressure：10Mpa
Axis spindle axis count：1
Precision of the aperture：IT8～IT11
The surface roughness of the hole：Ra ≤3.2μm
Hole axis deflection of benchmark：0.5/1000（S45#，φ10mm）
Filtration precision：20μm
Shock absorption support：3

DHD-2218

CNC DEEP HOLE DRILLING MACHINE

1800MM MAXIMUM DEPTH OF DRILLING

17 tons of machine weight, 15 tons workbench bearing, 32 kw total power of the machine，22 mm workbench T slot, cutting fuel tank capacity of 600 l.

DHD-2216

CNC DEEP HOLE DRILLING MACHINE

1600MM MAXIMUM DEPTH OF DRILLING

Table load 15 tons, 15 tons weight machines, 5600 × 6000 × 3100mm Machine size, 1400 × 2300mm Table size, 31KW Total power, 600L fuel tank capacity cutting, 22mm T-slot table.

TECHNICAL PARAMETERS

The hole diameter range：φ2.5～φ32mm
Workbench size：1400×2300mm
Machine size：5600×6000×3100mm
Three axis stroke：X（2200mm）Y(1200mm）Z(1600mm）
The spindle speed range (stepless)：0～8000r/min
Tool feed rate (stepless)：0～200mm/min
Fast moving speed：5000mm/min
The spindle motor power：7.5KW
Three axis servo motor power：X（3.0KW）Y（2.0KW）Z（1.3KW）
Pump power：（3.7KW）（7.5KW）
Chip removal machine power：0.2KW
The oil temperature control system of power：3P
Cutting oil pressure：10Mpa
Axis spindle axis count：1
Precision of the aperture：IT8～IT11
The surface roughness of the hole：Ra ≤3.2μm
Hole axis deflection of benchmark：0.5/1000（S45#，φ10mm）
Filtration precision：20μm
Shock absorption support：3

TECHNICAL PARAMETERS

The hole diameter range：φ3～φ32mm
Workbench size：1600×3000mm
the total power of machine tools：32KW
Machine size：7500×6500×3200mm
Three axis stroke：X（3000mm）Y（1500mm）Z（2000mm）
The spindle speed range (stepless)：0～8000r/min
Tool feed rate (stepless)：0～200mm/min
Fast moving speed：5000mm/min
The spindle motor power：11KW
Three axis servo motor power：X（3.0KW）Y（3.0KW）Z（1.3KW）
Pump power：（3.7KW）（7.5KW）
Chip removal machine power：0.2KW
The oil temperature control system of power：3P
Cutting oil pressure：10Mpa
Cutting fuel tank capacity：800L
Axis spindle axis count：1
Precision of the aperture：IT8～IT11
The surface roughness of the hole：Ra ≤3.2μm
Hole axis deflection of benchmark：0.5/1000（S45#，φ10mm）
Filtration precision：20μm

DHD-3220

CNC DEEP HOLE DRILLING MACHINE

FOUR SUSPENSION SUPPORTING BRACKET

2000mm maximum depth of drilling,18 tons of workbench bearing, 20 tons of machine weight,1600 * 3000 mm size table, 7500 × 6500 × 3200mm machine size, 32 kw the total power of machine tools, 800L fuel tank capacity cut，22 mm workbench T slot.