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DEEA HOTE DEITTING (BONING) WYG:IINE 家公司 可可 專事 九日 二正 (袋) Bing deite Wygiinera Indoziaa go'fld

Mission: Sincerity Progress Harmony

Vision: Cultivate Good Karma in the business, Benefit All People

History of Timeline

1981~Ping Jeng Company starts in Taichung, Taiwan. Capital 2.1 million.Launch :RD-600&600BL

1982~As costumer needs to produce Bed Type Milling Machine:BM-2Vand Radial Drill Machine: CNC-RAMILL-VI.

1983~Launch: BM-3V&BM-4V °

1984~Launch:BM-3MV&BM-4MV o

1985~Launch:BM-3DS&4DS

1986~Launch:CNC-MGD-500&1000 9

1987~Launch:CNC-MGD-1015&1020

1988~Launch:CNC-MGD-1520&1525, TRAK-3S(BM-22VDA)

1989~Launch:DH-1500&3000&6000. Cooperate with American well-known NC Company and entered the U.S. market with CNC Milling Machine successfully. Capital increasing to 19.8 million.

1990~Launch:CNC-MGD-613&813, TRAK-5S(BM-24VDA)

1991~Launch:CNC-MGD-816&820

1992~Launch:CNC-MGD-1016&1020 , TRAK-2S(BM-21VCA)

1993~Launch:CNC-51-VI/GA/GF(BM-1687). Expand European market & start to develop Box Ways machining centers. CE -TUV of Germany Authentication approved for CNC Milling Machines. Capital increasing to 30 million.

1994~Launch:CNC-61-VI/GA/GD(BM-2087)

1995~Launch:CNC-71-VI/GA/GD(BM-2587), CNC-81-VI/GA/GD(BM-3087)

1996~Launch:MCV-64BT

1997~MCV-85B&85G

1998~MCV-100B&100G

1999~Launch:MCV-168G&168B.All plants destroyed by 921 earthquake and almost forced to close down the business; after financing and capital increasing to 68 million, and enable to reconstruct the plants.

2000~Launch:MCV-86&116B. Merge a machinery company and acquire related technical staffs and some outstanding European agents.

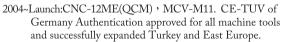
Develop Linear Guide Way machine center.

2001~Launch:MCV-127B &147B&147G

2002~Launch:MB-4R372 -4axes ROUTING. & MCV-M8 & M6

2003~Launch:CNC-24MA(740) CNC-34/36/46MB (1050-1350)°,MCV-M10.

 $\dot{A}ttend\ EMO$ and international exhibitions actively to expand global market.



2005~ Launch:MB-1207/1210, MCV-M5. As Europe market need to R&D the Moving Column machining centers serial. New CIS & Logo – PERFECT JET & implement ERP management and target management.

2006~Launch:MHD-2678, DH-3100, MCV-M7

2007~Launch:MV-107P&107U, MV-64P&64U

Italy well-known machinery dealer ask to be the exclusive agent for Moving Column serial and sign up 10 machines per year quota.

2008~Launch:MV-86P&86U, MB-1220.

2009~Launch:MCV-2010G, MV-308. R&D Submicron high precision machining center, and joint program of Ministry of Economic Affairs.

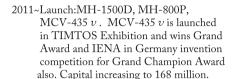
2010~Launch:MV-308-5X, MCV-188G.





As European Auto parts and Aero parts market needs, to develop 5-axis swiveling head MV-308-5x and gain the Patent.





2012~Launch:MH-1213, MH-500P, MH-630P, MCV-2510B/G

2013~Launch:BM-1620, CNC-GD-4axes, CNC-GD-6axes, CNC-GD-8axes

All machines are developed in-house. We have an outstanding R&D team who is dedicated to researching and developing new machines many years with expertise. Using AUTOCAN R14 software and AUTODESK3D/INVENTOR SERIES.

COMPANY SCOPE:

Land Area: $30000 m^2$; Factory Area: $16000 m^2$; Office Area: $22000 m^2$; Capital increasing to 168 million.

Patent











Creating job opportunity and supporting educational constitution are the main principles of Ping Jeng. To build a better society, Ping Jeng keeps doing its best to benefit the community for now and the future.







深孔镗鉆加工機



Designed and Built with Excellent Quality, Efficiency and Accuracy















DH-3100SC

MGD-610

MGD-610L

MGD-1525(全罩)

MGD-1525(裸機)

PGD-4X 4軸

深孔鏜鉆加工機







刀具軸:齒輪模數6.5 Main spindle:gear modulus 高速 High range 300-1200rpm 低速 Law range 60-300rpm 馬力: Spindle power: 60HP-100HP-200HP



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SPEC	IFICATIONS:規格3					
	MODEL:MGD	Unit	DH-31000SC	DH-6000SC		
	Drilling depth	mm	3000	6000		
	Working piece length	mm	6000			
Tool	Spindle nost to way/swiving	mm	900/1300			
刀具 Travel	Base way	mm	1-	400		
行程	Z way sapn(Ball screw)	mm	1150/863			
	C ounter rotary chuck with		840			
	Counter rotary working piece		16(OP.6-18Inverter)			
	Spindle taper tooling		В	TA		
Spindle 主軸	Spindle Transmission		GEAF	AR Hi/Low		
	Spindle speed	rpm	60-1000(OF	2.1250) Inverter		
	CNC controller		PC C	ontroller		
	Spindle motor	KW	45(OF	75,150)		
Controlle	Z motor 1:4 gear box	KW	5			
控制器	Counter rotary chuck	m	600X2 (OP.800X2)			
	working axis motor	kw	3.75			
	working piece weight	KG	10000			
	Rapid feed rate Z	m/min		10		
Feed 進給	Cutting feed rate	m/min	0.	5-5		
延加口	Min. input increment	mm	0.01			
	Max. drilling dia.	mm	φ38-φ250(OP UP)			
Capagity 加工能力	Max. tool weight	KG	2	000		
NHTTHE\1	Max. tool length	mm	5017	8017		
	High pressure pump	KW	20)X2		
	High pressure (BAR)	kg/cm2	5-80			
	High pressure Oil delivery	l/min	210-840			
Other	Oil tank	L	2000LX4=4000L+4000L			
其他	Lubriccation capacity	I/w	2L/105WX2 2L/105WX			
	Air conditioner	watt/hr	250/200CHR			
	Pneumatic unit	kg/cm2	6			
	Power	KVA	150			
Dimensio	N.W./G.W.(Approximate)	Ton	36/40	50/55		
RJ	Floor space(LxWxH)	М	17X7X2.5	20X7X215		
	ione subject to change withe					

Specifications subject to change without notice.規格、設計及機械物理等變更,恕不另行通知 8

DEEP HOLE DRILLING (BORING) MACHINE 深孔鍵鉆加工機 CNC-DH-3000SC~8000SC PERFECT JET

件軸快速移動是用排齒與伺服馬達

Using bevel gear and servo motor

to move jaw holder rapidly

XY7滾柱線軌M55:

強勁的進給系統: Z軸採鋼性連軸器

直接轉動

Roller type guide way

Standard Accessories: 標準配件

- 1. Direct drive Z 直結傳動
- 2. M.P.G.. Z 手動輪
- 3. Chip auger+cart 捲屑機+鐵屑車
- 4. Gew spindle 1,000/1,250rpm 齒輪主軸轉速
- 5. Paper filter & magnetic separator 紙帶、磁鐵過濾機
- 6. Wool filter 羊毛氈過濾器
- 7. Automatic lubrication system 自動潤滑系統
- 8. Coolant system 冷卻系統(2件)
- 9. Air gun 風槍
- 10. Halogen working lamp & alarm light 三色警示燈、工作燈
- 11. RS-232 interface+10M cable RS-232 介面+10米傳輸線
- 12. Air conditioner 冷氣機(電器箱)
- 13. M30 auto power off 自動斷電系統
- 14. Leveling pads & adjusting screws 水平墊塊與水平螺栓
- 15. Tool box with adjusting tools 工作箱與調整工具
- 16. Operating manual & part list 操作手冊與零件表

Optional Accessories: 選購配件

- 1. Upgrade spindle motor 加大刀具馬達
- 2. Gundrills 鑽頭
- 3. Start bush 主軸導套
- 4. Whip guide 擋油黑膠套
- 5. Moving whip guide 支撐白膠套
- 6. Drill grinder 磨刀機
- 7. Oil cooler 油溫冷凍機
- 8. Voltage regulator 穩壓器
- 9. Transformer 變壓器

底座強度介紹

introduction for

base structure







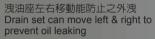
深孔鏜鉆加工機

MGD-1528/1533/1520(L)系列

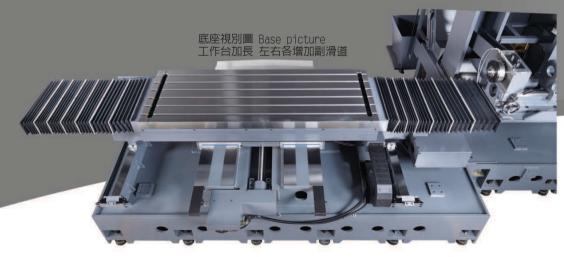




主軸自動拉刀 Spindle power draw bar Z軸皮帶傳動 Z axis Belt drive

















CNC-BGD-300-6X

CNC-BGD-300-4X 4 axes

	MODEL:MGD	Unit	BGD-800-2X	BGD-300-6X	
Tool	Drilling depth	mm	800	300	
	Working piece length	mm	800	300	
	Working piece x	mm	1000	2000	
刀具 Travel	Spring C-C1	mm	250±0.01	180±0.01	
行程	Z way sapn(W)	mm	800X300	300	
	C ounter rotary chuck with		OP		
	Counter rotary working piece		OP		
	Spindle taper tooling		DIN40:69871		
Spindle 主軸	Spindle Transmission		BE	BELT	
-1-714	Spindle speed	rpm	8000		
	CNC controller		PC E	BASE	
	Spindle motor	KW	5.5X1	5.5X3	
ontroller	Z /X motor	KW	1.5X2.5	3.0X3.0	
空制器	Counter rotary chuck	m	φ 100-200	φ 100-150	
	working piece	kw	2	6	
	working piece weight	KG	200	300	
	Rapid feed rate Z	m/min	10	12	
Feed 抽給	Cutting feed rate	m/min	1-5		
248053	Min. input increment	mm	0.01		
	Max. drilling dia.	mm	φ 4- φ 16		
lagazine 刀麻	Max. tool weight	KG		3	
/ 4/11-	Max. tool length	mm	1000	600	
	High pressure pump	KW	7.5X1	7.5X3	
	High pressure (BAR)	kg/cm2	5-130	2-65	
	High pressure Oil delivery	l/min	5-70		
Others	Oil tank	L	600X2	2=1200	
其它	Lubriccation capacity	I/w	4/105		
	Air conditioner/cool oil	watt/hr	250/2000		
	Pneumatic unit	kg/cm2	6		
	Power	KVA	20	50	
mension	N.W./G.W.(Approximate)	Ton	8/10	5/6	
尺寸	Floor space(LxWxH)	M	4X2.5X2.3	5X4.3X2.1	

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Standard Accessories: 標準配件

- 1. Belt drive XY皮帶傳動 Direct drive Z 軸直結傳動
- 2. M.P.G.. XYZ 手動輪

BGD-300-6X

- 3. Chip conveyor & cart 排屑機+鐵屑車
- 4. Belt Spindle 8,000/10,000rpm 皮帶主軸轉速
- 5. Paper filter & magnetic separator 紙帶、磁鐵過濾機
- 6. Wool filter 羊毛氈過濾器
- 7. Automatic lubrication system 自動潤滑系統
- 8. Coolant system 冷卻系統
- 10. Halogen working lamp & alarm light 三色警示燈、工作燈
- 11. RS-232 interface+10M cable RS-232 介面+10米傳輸線
- 12. Air conditioner 冷氣機
- 13. M30 auto power off 自動斷電系統
- 14. Leveling pads & adjusting screws 水平墊塊與水平螺栓 15. Tool box with adjusting tools 工作箱與調整工具
- 16. Operating manual & part list 操作手冊與零件表

Optional Accessories: 選購配件

- 1. Upgrade spindle motor 加大刀具馬達
- 2. Gundrills φ4-φ25(φ32)mm 鑽頭
- 3. Start bush φ4-φ25(φ32)mm 主軸導套
- 4. Whip guide ψ4—ψ25(ψ32)mm 擋油黑膠套
- 5. Moving whip guide φ4— φ25(φ32)mm 支撐白膠套
- Drill grinder 磨刀機
- 7. Oil cooler 油溫冷凍機
- 8. Voltage regulator 穩壓器
- 9. Transformer 變壓器

深孔镗鉆加工機

Standard Accessories 標準配備槍鑽MGD系列



Spindle 主軸8000/10000rpm

X/Y/Z/W ballscrew with double nuts四軸鋼珠螺桿雙帽



Shank move left-right to prevent oil leaking 洩油座左右移動能防止外屑



Chain type chip conveyor 鍊條式排屑機



Equipped with high reliability lubrication pump and solenoid valves 三點組合空壓空制器



Powerful wash down nozzles and air gun are conveniently built in 風槍水槍



Air conditioner on Electric cabinet 電氣箱冷卻機



Dual vertical coolant pumps 直立式泵浦

Optional Accessories

選用配備



High pressure pump 7.5kw 高壓泵浦可提供馬力 Pressure 0-130kg/cm² 壓力0-130kg/cm²: Delivery0-130kg/cm² 流量5-70l/min

Coolant oil tank 切削液油箱600x2=1200Liter



1.Magnetic separator磁鐵過濾機(0.02mm) 2.Paper filter紙帶過濾機(0.02~0.005mm)



3.Wool filter羊毛氈過濾機 (0.005mm)





Rotary table 0.001° 旋轉工作台任一角度0.001

深孔镗鉆加工機



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SPECIFICATIONS:規格			MGD-610/1016/1528(L)						MGD-1520/1520L	1	MGD-3115DL(B/L/G)			
	MODEL:MGD	Unit	610	610L	1016	1016L	1528	1528L	1520	1520L	3115DL	3115B	3115L	
Travel	X/Y/Z axis(W)	mm)X600(500))X800(500)	1600X1000 2000X1000			0X1500X300 0X1500X300	2000X1000X1500	2500X1000X1000(300)	4x4x0.7x0.8m	3x1.0x1.5x0.7m	0.6x1.0x1.5x1.6m	
	Spindle nose to table surface	mm		650	50-1050				100-1100		50-4500	50-1050	110-1110	
	spindlecenter to column surface	mm	0~	-500	0~300						0-700		344	
行程	X/Y/Z way span (W)	mm	306X646	X234(620)	460X646X234(1000)				656x800x234	856x800x234	1500x1500x650	1500x800x234x640	1000x1200x234x460	
	Position/Repeatability accuracy	mm			- Communication (Communication)					± 0.01				
	Ball bar accuracy	mm							≥ 0.01					
	Spindle taper				DIN40:6	9871 (OP B	Γ50)		DIN40:6987	1 (OP BT50)	BT-50	DIN50	DIN50	
Spindle 主軸	Spindle drving				Belt 1:1(OP 1:1.25)				Belt 1:1 (OP 1:1.25)		GEAR	BELT 1:1(OP 1:1.25)	BELT 1:1(OP 1:1.5)	
上和	Spindle speed	rpm			8000(OP10000)				8000(OP.10000)		6000	8000(OP.10000)	8000(OP.5000)	
	CNC controller				As cus	stomer's choic	æ		As custom	er's choice	As custom	As customer's choice		
Controller 控制器	Spindle motor	KW	5.5	5/7.5	7.5/11 (OP. 11/15)				11/15(op 15/18.5)		30	11/15(OP.15/18.5)	11/15(OP.15/18.5)	
117768	X/Y/Z /W motor	KW	2.0/3.5	B/1.5/2.0	2.5/2.01	3/2.0/3.0	3.0/5.5	B/2.5/3.5	7.0/6.0B/2.0	8.0/6.0B/2.0	9/4B+4B/4/4	9/9B/2/7	3/4B/2/3	
	Table size(WxL)	mm	4002	X1500	700X1900	700X2300	700X2800	700X3300	1200X2300	1200X2800	4.5X3.0 m	4.2X2.1 m	1.9X0.7 m	
Table 工作台	T-slots(Width x No. x Pitch)	mm	16X	5X63	18X6X105				22X38X8	22X38X8	28X14X250	22X11X185	18x6x105	
71110	Table load	KG	1.	500	40	000	80	000	9000	10000	45000	30,000	4,000	
	Rapid feed rate X/Y/Z/W	M/min	10/10)/10/10	15/15/10/15				15		10	15	15/15/7.5/15	
Feed 進給	Cutting feed rate	M/min	1-5						1-5					
25/10	Min. input increment	mm	0.01						0.01	0.01				
	Max. tool dia./tool adjacent	mm	φ 4.0~ φ 25(OP. φ 32)						φ 4~ φ 25(OP φ 32)		φ 100	φ4-φ25 (φ32)	φ4-φ25 (φ32)	
	Max. tool weight DIN40	KG			7 (OP.BT#50: 12)				7 (OP BT#50 :12)		12	12	12	
Magazine 刀庫	Max. tool length	mm	1020	1220		153	30	2150	2150		1000	2150	2150	
75/1	Pull stud	degree	45						45	45				
	Tool changing time	sec	8						8					
	High pressure pump Motor	kg	10						10		10	10	10	
	High pressure	kg/cm2	0-130						0-130		0-90	0-130	0-130	
	Hight pressure Oil delivery	l/min	5~70						5-70		5-125	5-70	5-70	
Others	Oil tank	L	600 x 2 = 1200						600x2=1200		2000x2=4000	600x2=1200	600+1200	
其它	Lubriccation capacity	l/w	4 / 80W						4/80W		1700		4+4L/80w	
	Air conditioner	wait	250						250 250					
	Pneumatic unit	kg/cm2	6						6 6					
	Power	KVA		35	4	.()	5	50	50	60	75	50	50	
Dimension	N.W./G.W.(Approximate)	Ton	11/	/13	13/	15,5	15/18	18/21	18/20	20/22.5	136/145	36/	40	
尺寸	Floor space(LxWxH)	M		3.5x3.5		.5x3.5		6.0x3.8	6.5/6.5/4.0	7.5/6.5/4.0	13/10/8	6/6	5/5	
Specifica	tions subject to change with	out no	tice.規格	、設計及機	械物理等變	變更,恕不5	引行通知							

Standard Accessories: 標準配件

- 1. Belt drive XYZ(W) 皮帶傳動
- 2. M.P.G., XYZ(W) 手動輪
- 3. Chip conveyor & cart 排屑機+鐵屑車
- 4. Belt Spindle 8,000/10,000rpm 皮帶主軸轉速
- 5. Paper filter & magnetic separator 紙帶、磁鐵過濾機
- 6. Wool filter 羊毛氈渦瀘器
- 7. Countar-weight 配重裝置
- 8. Automatic lubrication system 自動潤滑系統
- 9. Coolant system 冷卻系統
- 10. Air gun 風槍
- 11. Halogen working lamp & alarm light 三色警示燈、工作燈
- 12. RS-232 interface+10M cable RS-232 介面 +10米傳輸線
- 13. Air conditioner 電器箱冷氣機
- 14. M30 auto power off 自動斷電系統
- 15. Leveling pads & adjusting screws 水平墊塊與水平螺栓
- 16. Tool box with adjusting tools 工作箱與調整工具
- 17. Operating manual & part list 操作手冊與零件表
- 18. Tapping 攻牙

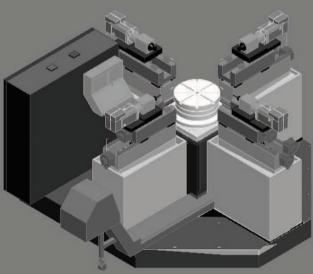
Optional Accessories 選購配件

- 1. Fully splash guard & Pendant operation cabinet 全罩及懸吊式操作箱
- 2. Upgrade spindle motor 主軸馬達加大
- 3. Gundrills φ 4— φ 25(φ 32)mm 鑽頭
- 4. Start bush φ 4— φ 25(φ 32)mm 主軸導套
- 5. Whip guide ϕ 4— ϕ 25(ϕ 32)mm 擋油黑膠套
- 6. Moving whip guide ϕ 4— ϕ 25(ϕ 32)mm 支撐白膠套
- 7. Drill grinder 磨刀機
- 8. Oil cooler 油溫冷凍機
- 9. Voltage regulator 穩壓器
- 10. Transformer 變壓器

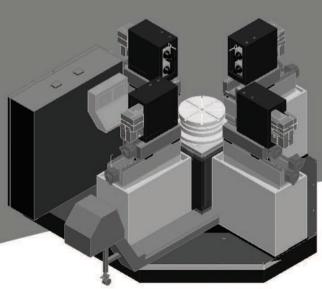
DEEP HOLE DRILLING MACHINE

高速度、高精度深孔槍鑽





DCD 4V



PGD-8X



SPECIFICATIONS:規格 CNC-PGD-4X/8X MODEL:MGD CNC-36 PGD-4X PGD-8X 400 400 rilling depth φ 350- φ 1400 φ 700- φ 1400 φ 350- φ 1400 orking piece diameter pindle nose to way/swiving 400 刀具 Travel 3600 3600 se length Y:620 7:470 250x400 行程 way sapn(W) ounter rotary chuck with φ 500 m 500 φ 630 unter rotary angle 任一角度±0.010 pindle taper tooling ER-16 R-8 pindle Transmission Built-in Belt pindle speed 2000-30000 100-5000 PC BASE 可任意選配 NC controller oindle motor 3 75 3 15 /X /W 4/2/2 2.5/3.5/2 orking piece weight 1000 1000 10 apid feed rate Z 10 1-5 utting feed rate n. input increment mm φ1-φ12 φ 1- φ 12 fax. tool weight KG 0.5 ax. tool length mm 150 60 ligh pressure pump ligh pressure (BAR) 5-150 / 2-75 igh pressure Oil delivery 5-50 Oil tank
Lubriccation capacity 600x2=1200 4/250x1 4/250x1 ir conditioner/cool oil 250 6 neumatic unit 12 13/15 18/21 4/6 I.W./G.W.(Approximate) 2.5x3.0x1.8 2.5x2.5x2 oor space(LxWxH)

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Standard Accessories: 標準配件

- 1. Belt drive XYZ(W) 皮帶傳動
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- 6. Wool filter 羊毛氈過濾器
- 7. Automatic lubrication system 自動潤滑系統
- 8. Coolant system 冷卻系統
- 9. Air gun 風槍
- 10. Halogen working lamp & alarm light 三色警示燈、工作燈
- 11. RS-232 interface+10M cable RS-232 介面+10米傳輸線
- 12. Air conditioner 冷氣機
- 13. M30 auto power off 自動斷電系統
- 14. Leveling pads & adjusting screws 水平墊塊與水平螺栓
- 15. Tool box with adjusting tools 工作箱與調整工具
- 16. Operating manual & part list 操作手冊與零件表

Optional Accessories: 選購配件

- 1. Upgrade spindle motor 加大刀具馬達
- 2. Gundrills φ 4— φ 25(φ 32)mm鑽頭
- 3. Start bush φ 4— φ 25(φ 32)mm主軸導套
- 4. Whip guide ϕ 4— ϕ 25(ϕ 32)mm擋油黑膠套
- 5. Moving whip guide φ 4— φ 25(φ 32)mm支撐白膠套
- 6. Drill grinder 磨刀機
- 7. Oil cooler 油温冷凍機
- 8. Voltage regulator 穩壓器
- 9. Transformer 變壓器

DEEP HOLE DRILLING SYSTEMS OUR PROGRAMM OF DELIVERY 深孔鑽票求條件

DEEP HOLE DRILLING TOOLS 深孔鑽、螳銖刀具

DEEP HOLE DRILLING METHODS 高速鑽孔深風法門

Deep Hole Drilling Units

鑽孔内徑的大小(槍鑽)

Boring range: ∮ 1.0~~~ ∮ 3.0~~~ ; ∮ 3.0~~~ ∲ 3.8镗孔範圍 Boring depth: 30.....120.....320.....3000mm镗孔深度

Deep Hole Drilling Machines

UNITIZED CONSTRUCTION FOR

Boring range: ∮ 38~~~~ ∮ 100 鏜孔範圍,在 ∮ 38mm以上的内孔含鏜孔範圍(砲費) Boring depth: 300...... 2000......3000......6000mm 鏜孔深度 MOVEMENT RANGES(X...Y...Z...U...V)

Deep Hole Drilling Machines

SINGLE-SPNDLE DEEP HOLE DRILLING MACHINES WITH LONG BEDS

Boring range: ψ 38~~~~ ψ 250 镗孔範圍, ψ 500~~~~ ψ 1000内孔要有多大的床身

Boring depth: 3000.......6000.......15000鑽鏜孔深

Coolant Equipment

Exactly suitable to the respective machine and cutting operations(air conditioner) 油箱冷卻機1500w, 8PS, 2000卡路里/小時

CLAMPING ATTACHMENTS Loading equipments for component handling根據工件大小再決定夾具的大小

MGD gun-type tools



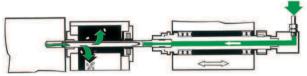
BTA- deep hole drilling tools



Ejector

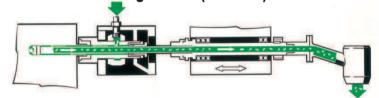


Gundrilling method(MGDTYPE)



Coolant supply inside of drill spindle and drill shank.
Coolant leaves at the drill tip. It steams back together with the chips in the V-shaped flute of the drill shank.
Coolant and chips pass through the drillbush into the drillbush carrier.
高壓冷卻液從鑽頭主軸及刀夾內部注入。冷卻液會在刀頭頂端離開,並從\型刀刃的刀夾跟鐵屑一起回流。冷卻液和鐵屑流過支撐套進入支撐套座一起排出。

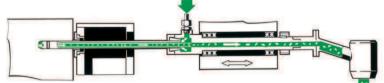
BTA-drilling method(DHTYPE)



Coolant supply through the oil pressure head behind the drillbush. Coolant flows through the drillbush and then outside of the tool tube in the hole to the drill tip. It streams back together with the chips inside the tube and through the bore spindle. Chips and coolant leave through an outlet at the end of the spindle.

高壓冷卻液從支撐套後面注入。冷卻液流經支撐套及刀套的外部,進入鑽孔及刀頭頂端: 和鐵屑回流到刀套内部及主軸内孔中。冷卻液及鐵屑流到主軸内部到尾端,並離開。

Ejector-drilling method(DH TYPE)



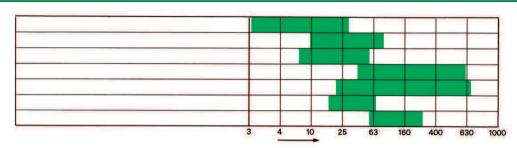
Coolant supply at the spindle nose. Coolant streams between two drill tubes to the drill tip and then back inside the inner tube together with the chips. Part of the coolant is directed in the inner tube through special jets before reading the drill tip, thus accelerating the backflow of the chips. Coolant and chips leave through an outlet at the end of the bore spindle.

高壓冷卻液從主軸鼻端注入,並從刀套至刀頭回流;進入刀套内部和鐵屑一起流回。 在刀具頂端偵測前,部份的冷卻液會被引至特殊的噴孔流入刀套内部;加速鐵屑的回流速度。 冷卻液及鐵屑流到主軸外部到尾端,離開。

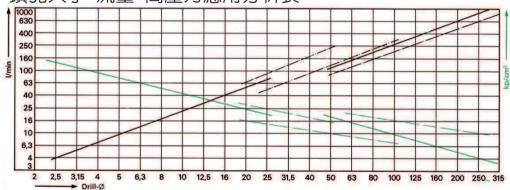
GUIDE VALUE GRAPHS

刀具:谁給:油壓容量:高壓力:數具圖表

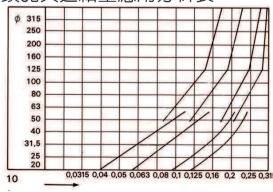
鑽孔大小與刀具應用分析表

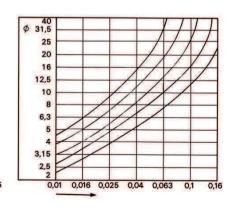


鑽孔大小:流量:高壓力應用分析表



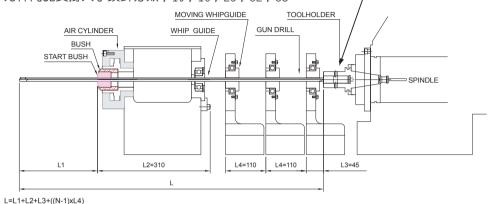
鑽孔與進給量應用分析表





DIMENSIONS REQUIRED FOR CALCULATING LENGTH



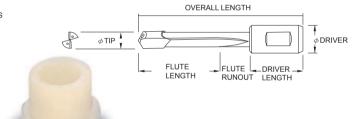


L=GUN DRILL LENGTH N=NUMBER OF THE MOVING WHIPGUIDES

MOVING WHIPGUIDE

鑽針高速旋轉防震白膠套

	DIAMETER
84 MHIPGUIDE	φ3~φ35



WHIP GUIDE

支撐座後方止洩油黑膠套

BEARING TYPE	628	6202	6204	6205	6207	6209
GUIDE BUSH	φ3~5	φ5.1~10	φ 10.1~15	φ 15.1~20	φ 20.1~25	φ 25.1~35



START BUSH

鑽針支控錠

ER
35
35
55



