HARDY

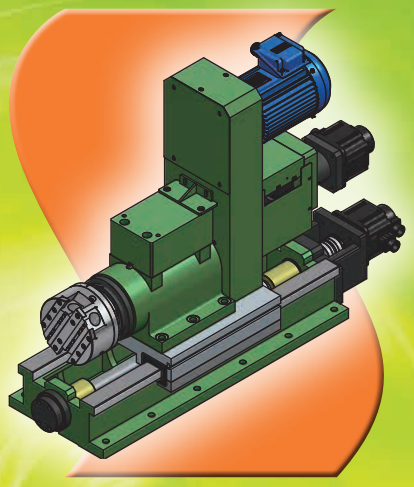
2024.09

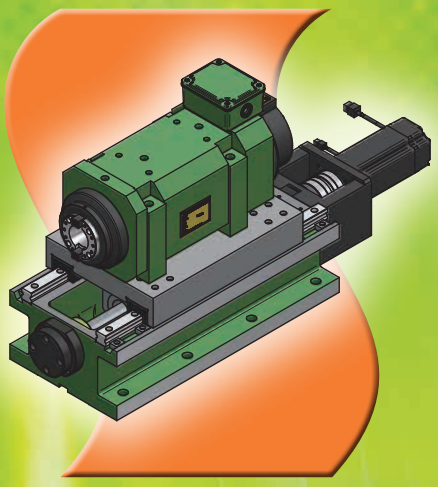
https://www.hardy-tw.com

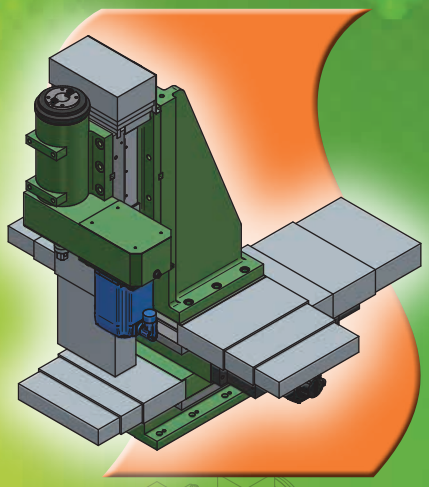
專用機系列

翰坤五金機械

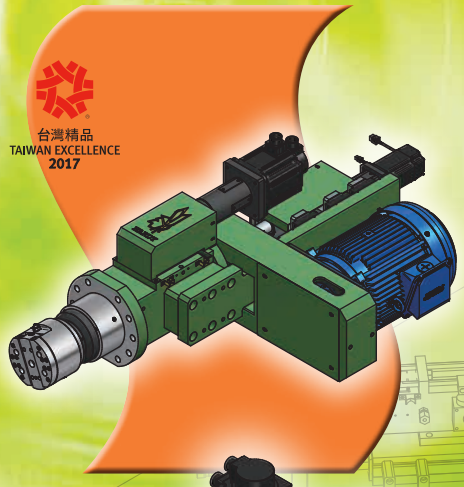
HANN KUEN MACHINERY & HARDWARE

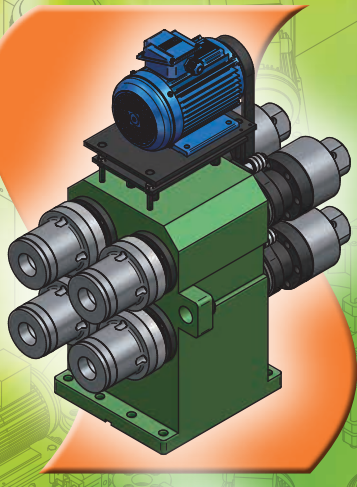


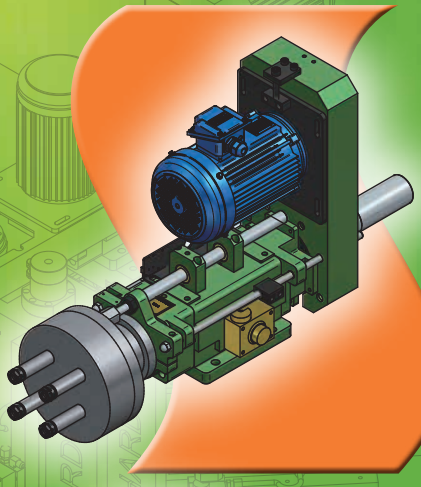


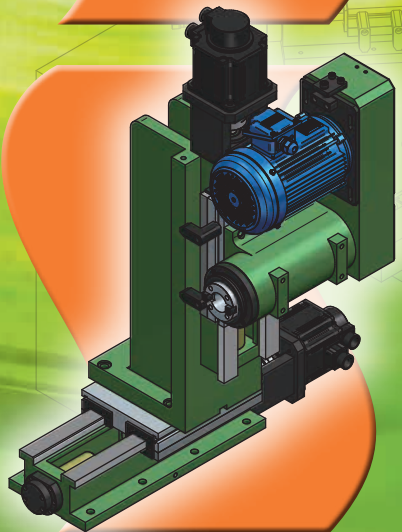


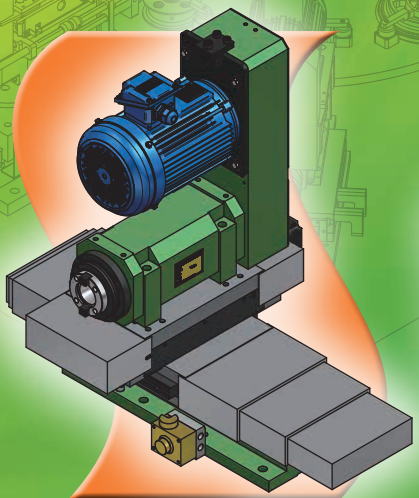
台灣精品
TAIWAN EXCELLENCE
2017

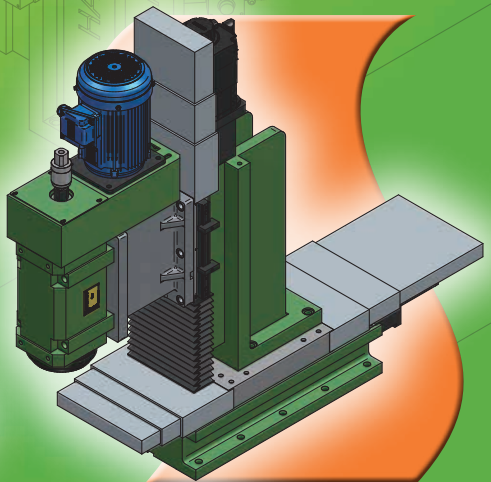












Built-in Motor Spindle Unit
內藏式搪銑主軸頭



SM

SMB

台灣精品 2020
TAIWAN EXCELLENCE

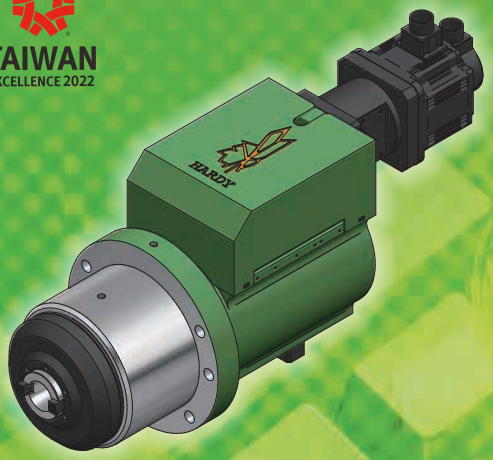
Roundness: ≦ 0.003mm
Include driver/encoder（含變頻器/編碼器）

規格 Model	主軸 Spindle Taper	最高轉速 Max. RPM	額定功率 Power (kW)	油冷 Coolant
SM45	NT30	2500	1.5	oil
SM45H	NT30	8000	1.5	oil
SM55	NT40	2000	2.2	oil
SM55H	NT40	6000	2.2	oil
SM80	NT50	1500	3.7	oil
SM80H	NT50	3500	3.7	oil
SMB60	BT40	1800 or 5000	3.7	oil

Oil cooler not included (不含冷卻機)

Built-in Motor Drilling / Tapping Spindle Unit - Flange Type
水車內藏式鑽孔/攻牙動力頭

TAIWAN
EXCELLENCE 2022



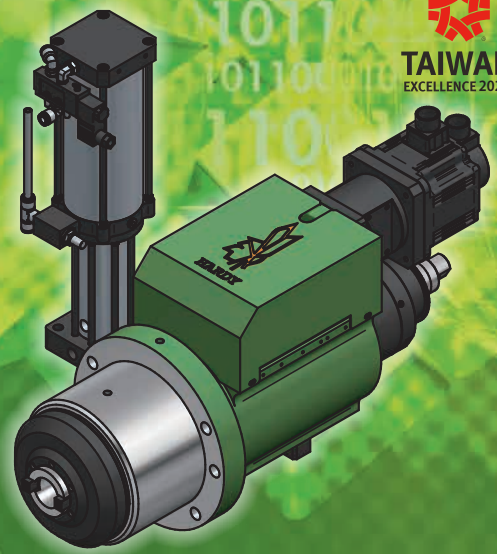
Roundness: ≦ 0.003mm
Include driver/encoder（含變頻器/編碼器）

規格 Model	鑽孔/攻牙能力 Max. Capacity (S45C)	行程 Travel mm	主軸 Spindle Taper	最高轉速 Max. RPM	額定功率 Power kW	油冷 Coolant
FMD155	ϕ30 / M24	120mm	NT40	2500	3.7	oil

Oil cooler not included (不含冷卻機)

Built-in Motor Drilling / Tapping Spindle (ATC + Center Coolant)
水車內藏式鑽孔/攻牙動力頭(自動換刀+中心出水)

TAIWAN
EXCELLENCE 2022

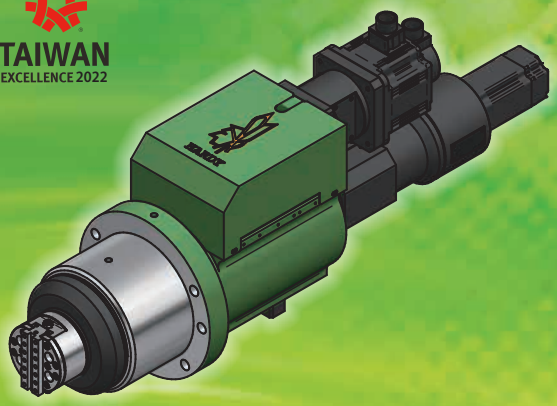


Roundness: ≦ 0.003mm
Include driver/encoder（含變頻器/編碼器）

規格 Model	鑽孔/攻牙能力 Max. Capacity (S45C)	行程 Travel mm	主軸 Spindle Taper	最高轉速 Max. RPM	額定功率 Power kW	油冷 Coolant
FMDC155W	ϕ30 / M24	120mm	BT40	2500	3.7	oil

Oil cooler not included (不含冷卻機)

Built-in Motor Facing Head Unit - Flange Type
水車內藏式展刀動力頭

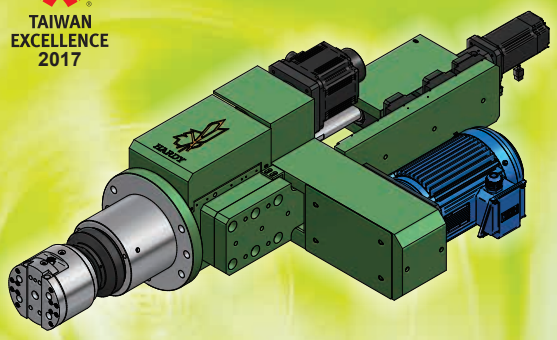


Roundness: ≦ 0.003mm
Include driver/encoder（含變頻器/編碼器）

規格 Model	展刀頭 Facing Head	展刀滑座行程 Facing Stroke	行程主軸最大 Spindle Sroke	最高轉速 Max. RPM	額定功率 Power kW	油冷 Coolant
FMDM155	FA-408	8mm	120mm	1600	3.7	oil

Oil cooler not included (不含冷卻機)

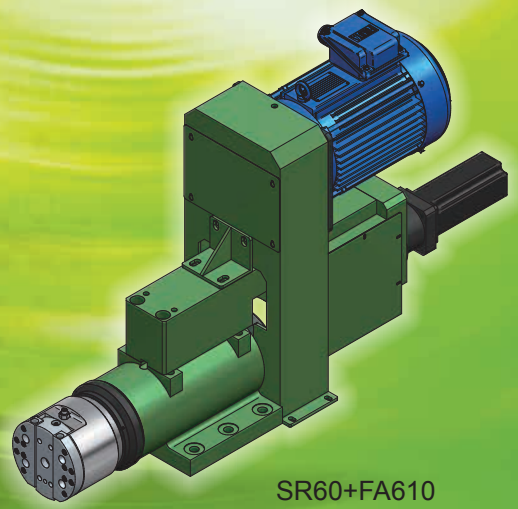
Facing Spindle Head-Servo / Flange Type
水車式伺服展刀動力頭



Roundness: ≦ 0.003mm
Slider Self-Repeatability: ≦0.005mm（展刀靜態重複定位）

規格 Model	展刀頭 Facing Head	展刀滑座行程 Facing Stroke	主軸最大行程 Spindle Stroke	最高轉速 Max. RPM
SSFD11-120	FA408	8mm	120mm	1600
SSFDL11-120	FA408	8mm	120mm	1600
SSFSD12-150	FA610	10mm	150mm	1200
SSFSDL15-150	FA812	12mm	150mm	800

Facing Spindle Head Unit-Servo Type
伺服展刀動力頭

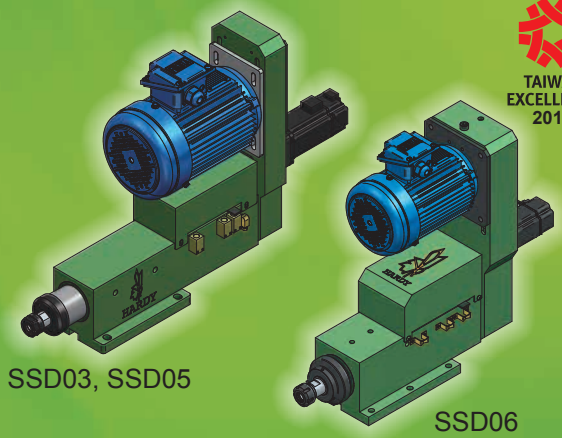


SR60+FA610

Roundness: ≦ 0.003mm
Slider Self-Repeatability: ≦0.005mm（展刀靜態重複定位）

規格 Model	展刀頭 Facing Head	展刀滑座行程 Facing Travel	最高轉速 Max. RPM
S55-FA408	FA408	8mm	1600
S60-FA610 SR60-FA610	FA610	10mm	1200
S60-FD660 SR60-FD660	FD660	60mm	4000
S80-FA812 SR80-FA812	FA812	12mm	800
S80-FD880 SR80-FD880	FD880	80mm	2500

Drilling / Tapping Spindle Head-Servo Type
伺服鑽孔/攻牙動力頭



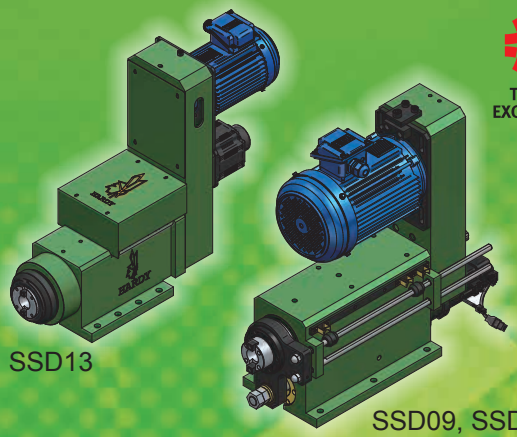
SSD03, SSD05

SSD06

Roundness: ≦ 0.003mm

規格 Model	加工能力 Max. Capacity (S45C)	行程 Travel mm	主軸 Spindle Taper	最高轉速 Max. RPM
SSD03-60	ϕ6 mm / M6	60mm	ER16, JT1, JT2	10000
SSD03-80	ϕ6 mm / M6	80mm	ER16, JT1, JT2	10000
SSD05-85	ϕ13 mm / M10	85mm	ER20, JT6	5000
SSD06-100	ϕ20 mm / M16	100mm	JT6, ER25, ER32 HSK40	3500, 10000

Drilling / Tapping Spindle Head-Servo Type
伺服鑽孔/攻牙動力頭



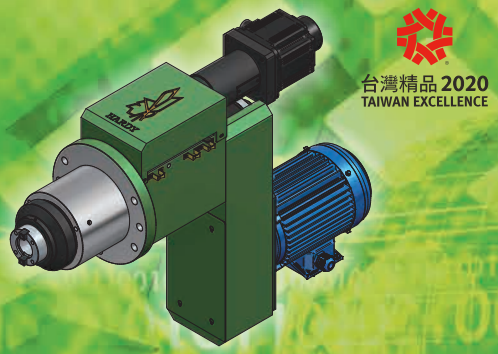
SSD13

SSD09, SSD12, SSD15

Roundness: ≦ 0.003mm

規格 Model	加工能力 Max. Capacity (S45C)	行程 Travel mm	主軸 Spindle Taper	最高轉速 Max. RPM
SSD09-120	ϕ25 mm / M25	120mm	NT30, HSK50	3000, 8000
SSD12-150	ϕ35 mm / M35	150mm	NT40, HSK63	2000, 6000
SSD13-150	ϕ40 mm / M40	150mm	NT40	1800, 5000
SSD15-150	ϕ50 mm / M45	150mm	NT50, HSK80	1600, 4000

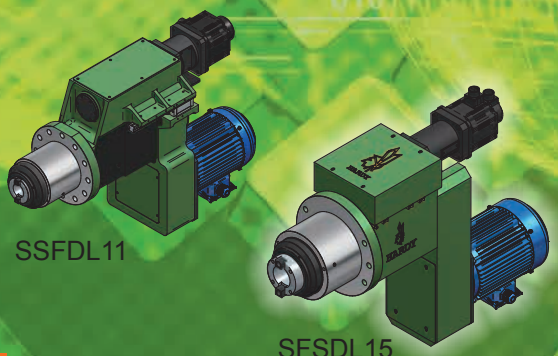
Drilling / Tapping Spindle Head-Servo / Flange Type
水車式伺服鑽孔/攻牙動力頭



Roundness: ≦ 0.003mm

規格 Model	加工能力 Max. Capacity (S45C)	行程 Travel mm	主軸 Spindle Taper	最高轉速 Max. RPM
SFSD06-100	ϕ16 mm / M12	100mm	JT6, ER25, HSK40	3500, 10000
SFSD09-120	ϕ25 mm / M25	120mm	NT30, HSK50	3000, 8000
SSFD11-120	ϕ35 mm / M35	120mm	NT40	1600, 5000
SFSD12-150	ϕ35 mm / M35	150mm	NT40, HSK63	2000, 5000

Drilling Tapping Spindle (Servo Linear Rail) - Flange Type
水車式伺服鑽孔/攻牙動力頭(強力型)



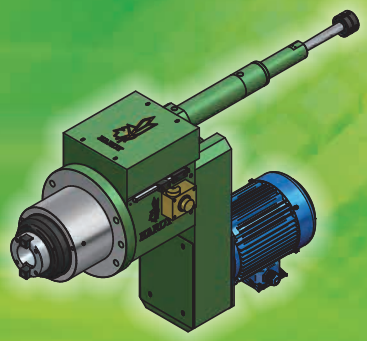
SSFDL11

SFSDL15

Roundness: ≦ 0.003mm

規格 Model	加工能力 Max. Capacity (S45C)	行程 Travel mm	主軸 Spindle Taper	最高轉速 Max. RPM
SSFDL11-120	ϕ35 mm / M35	120mm	NT40	1800, 4000
SFSDL15-150	ϕ50 mm / M45	150mm	NT50, HSK80	1600, 4000

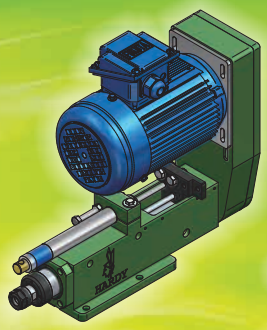
Drilling Spindle Head - Hydraulic / Flange Type
水車油壓鑽孔動力頭



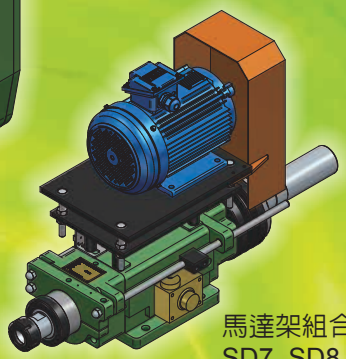
Roundness: ≦ 0.003mm

規格 Model	加工能力 Max. Capacity (S45C)	行程 Travel mm	主軸 Spindle Taper	最高轉速 Max. RPM
SFHD06-100	ϕ16 mm	100mm	JT6, ER25	3500, 10000
SFHD09-120	ϕ25 mm	120mm	NT30	3000, 8000
SFHD11-120	ϕ35 mm	120mm	NT40, FB45	1800, 4000
SFHD12-150	ϕ35 mm	150mm	NT40	2000, 6000
SFHD15-150	ϕ50 mm	150mm	NT50	1600, 4000

Drilling Head Units
鑽孔主軸頭



SD3, SD5

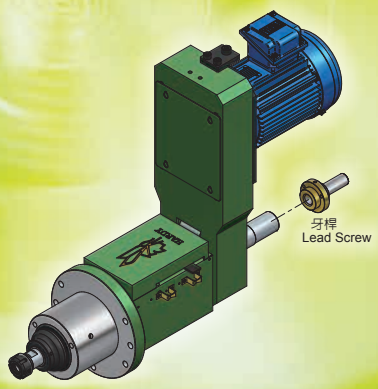


馬達架組合
SD7, SD8

Roundness: ≦ 0.003mm

規格 Model	鑽孔能力 Max. Capacity (S45C)	最高轉速 Max. RPM	主軸驅動方式 Propulsion
SD3-60M	ϕ6 mm	10000	油壓 Hydraulic or 空壓 Pneumatic
SD3-80M	ϕ6 mm	10000	油壓 Hydraulic or 空壓 Pneumatic
SD5-85M	ϕ13 mm	5000	油壓 Hydraulic or 空壓 Pneumatic
SD7-130M	ϕ20 mm	2500	油壓 Hydraulic
SD8-150M	ϕ35 mm	1500	油壓 Hydraulic
SD8-200M	ϕ35 mm	1500	油壓 Hydraulic
SD09-120M	ϕ25 mm	8000	油壓 Hydraulic
SD12-150M	ϕ35 mm	6000	油壓 Hydraulic
SD15-150M	ϕ50 mm	4000	油壓 Hydraulic

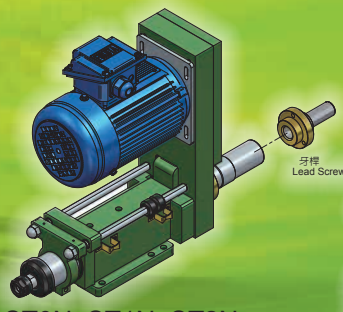
Tapping Spindle Head-Flange / Lead Screw Transmission
水車式攻牙動力頭(牙桿傳動)



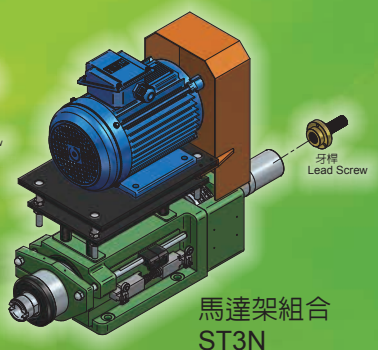
Roundness: ≦ 0.003mm

規格 Model	加工能力 Max. Capacity (S45C)	行程 Travel mm	主軸 Spindle Taper	螺旋導程 Thread Guide Pitch
SFST06-65	M12	65mm	JT6, ER25, HSK40	0.4~2.0mm
SFST09-85	M30	85mm	NT30, HSK50	0.7~2.5mm
SFST11-90	M35	90mm	NT40	0.8~3.0mm
SFST12-90	M45	90mm	NT40, HSK63	0.8~3.0mm
SFSTL15-120	M50	120mm	NT50, HSK80	0.8~3.0mm

Tapping Head Units
攻牙主軸頭



ST0N, ST1N, ST2N



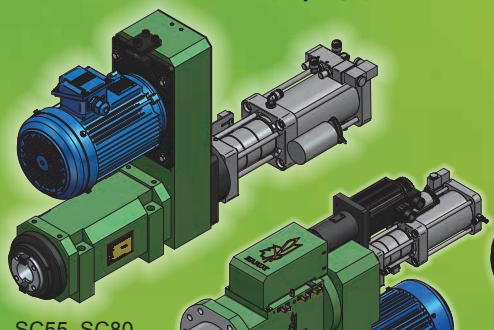
馬達架組合
ST3N

Roundness: ≦ 0.003mm

規格 Model	攻牙能力 Max. Capacity (S45C)	螺旋導程 Thread Guide Pitch
ST0N-50M	M6	0.25~1.25mm
ST1N-65M	M12	0.4~2.0mm
ST2N-85M	M30	0.7~2.5mm
ST3N-90M	M45	0.8~3.0mm

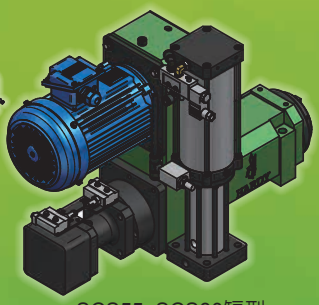
Boring / Milling Head Unit / with Auto Unclamping Cylinder
搪銑主軸頭/氣動打刀缸

台灣精品 2020 TAIWAN EXCELLENCE



SC55, SC80

SSFC11

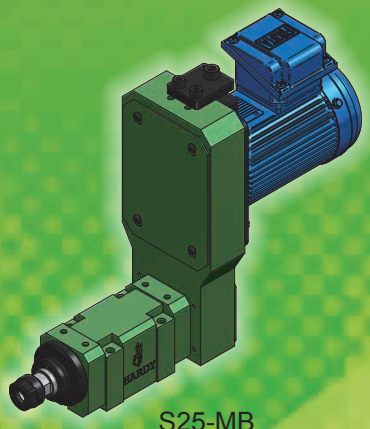


SCS55, SCS80短型

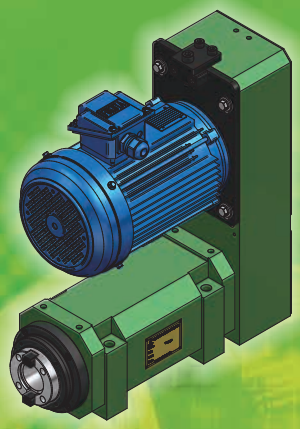
Roundness: ≦ 0.003mm

規格 Model	主軸 Spindle Taper	最高轉速 Max. RPM
SC55-BT40	BT40	2000 or 6000
SC80-BT50	BT50	1200 or 3000
SSFC11-BT40	BT40	1600 or 4000
SCS55-BT40	BT40	2000 or 6000
SCS80-BT50	BT50	1200 or 3000
SCW55	HSK63	2000 or 6000

Boring / Milling Head Unit
搪銑主軸頭



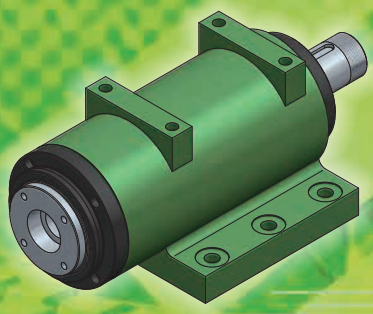
S25-MB



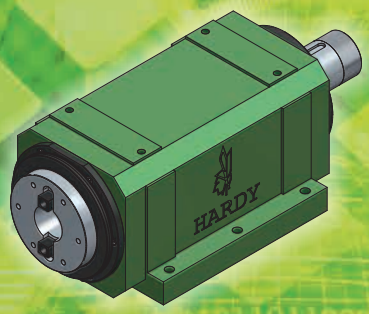
S35, S45, S55, S60, S75, S80-MF

Roundness: ≦ 0.003mm

規格 Model	主軸 Spindle Taper	最高轉速 Max. RPM
S-25	ER20	4000 or 12000
S-35	MT3, ER32	3000 or 10000
S-45	NT30, ER40	2500 or 8000
S-55	NT40, MT4	2000 or 6000
S-60	NT40, A_2-4, FB50, MT4	1800 or 5000
S-80	NT50, A_2-5	1200 or 3000
S-100	NT50, A_2-6	800 or 2500
S-120	NT50, A_2-6	600 or 2000
S-150	NT50	500 or 1800
SR-35	NT30	3000 or 10000
SR-45	NT40	2000 or 6000
SR-60	NT40, A_2-4, FB50, MT4	1800 or 5000
SR-80	NT50, A_2-5, FB75	1200 or 3000

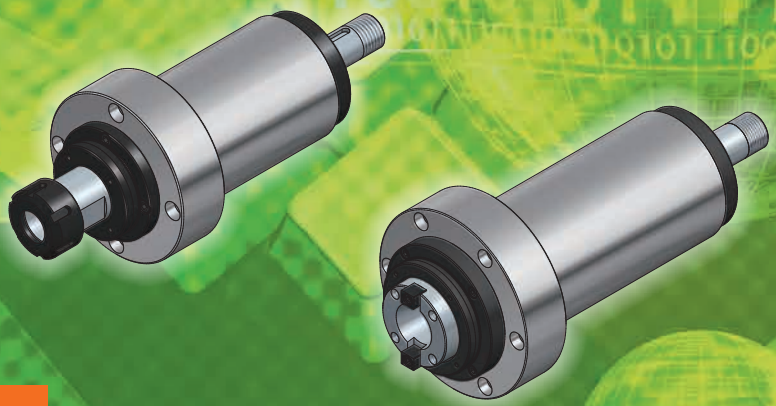


SR35, SR45, SR60, SR80



S100, S120, S150

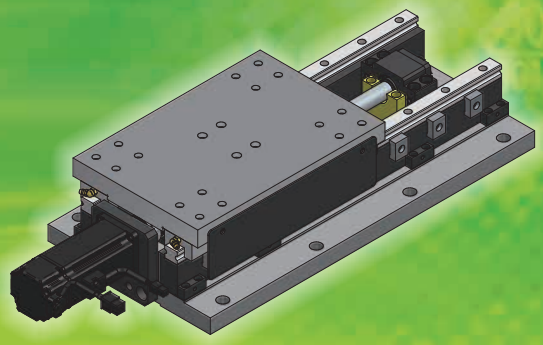
Boring / Milling Head Unit / Flange Type
搪銑主軸頭/法蘭式

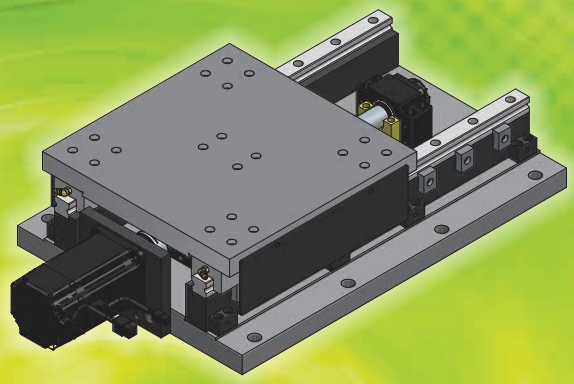


Roundness: ≦ 0.003mm

規格 Model	主軸 Spindle Taper	最高轉速 Max. RPM
SRR-35	MT3, ER32	3000 or 10000
SRR-45	NT30, ER40	2500 or 8000
SRR-55	NT40, MT4	2000 or 6000
SRR-60	NT40, A_2-4, FB50, MT4	1800 or 5000
SRR-80	NT50, A_2-5, FB75	1200 or 3000

Servo Compact Slide with Linear Guideway and Ball Screws
伺服線性滾珠滑座(經濟型)

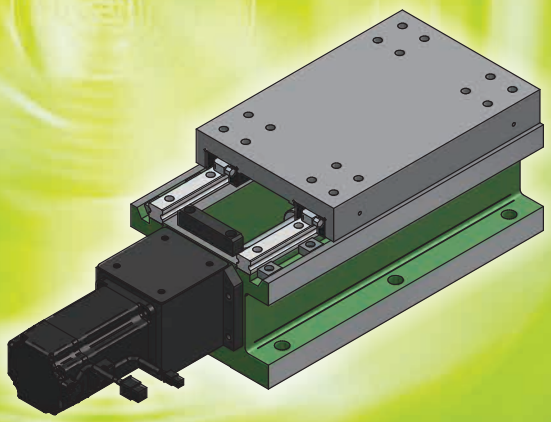


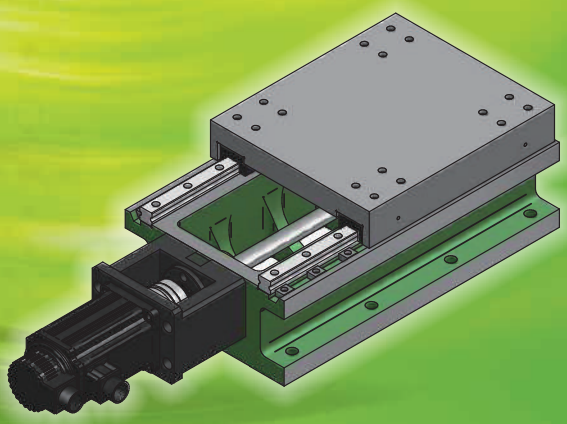


Parallelism & Flatness (平行度): within 0.01mm / 100mm

規格 Model	寬 Width mm	長 Length mm	行程 Travel mm	螺桿 Ball screw mm	滑軌(寬) Linear Rail width mm
RHE120-320L	120	320	100	ϕ16×5	15
RHE150-320L	150	320	100	ϕ16×5	15
RHE200-420L	200	420	100	ϕ20×5	20
RHE200-520L	200	520	200	ϕ20×5	20
RHE250-420L	250	420	100	ϕ25×5	25
RHE250-520L	250	520	200	ϕ25×5	25
RHE300-420L	300	420	100	ϕ25×5	25
RHE300-520L	300	520	200	ϕ25×5	25

Servo Slide Table / with Linear Guideway and Ball Screws
伺服線軌滾珠滑台

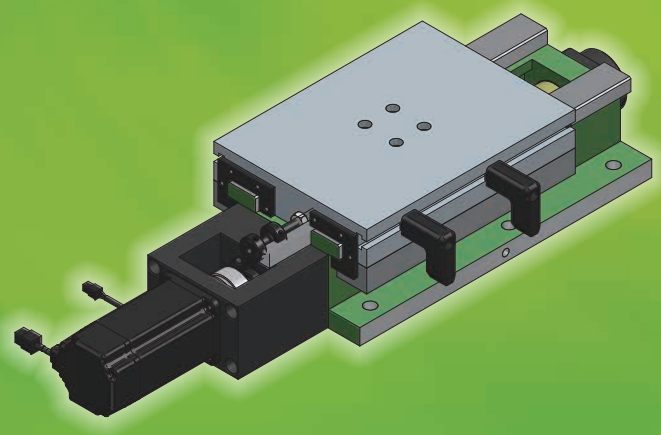




Parallelism & Flatness (平行度): within 0.01mm / 100mm

規格 Model	寬 Width mm	長 Length mm	行程 Travel mm	螺桿 Ball screw mm	滑軌(寬) Linear Rail width mm
RH150-400L	150	400	90	ϕ20×5	20
RH200-400L	200	400	90		
RH200-640L		640	330		
RH250-520L	250	520	160	ϕ25×5	25
RH250-760L		760	400		
RH250-1000L		1000	640		
RH300-520L	300	520	160		
RH300-760L		760	400		
RH300-1000L		1000	640		

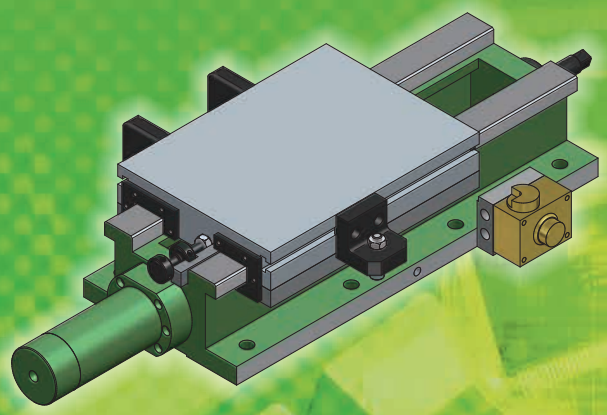
Servo Slide Table / with Hardness Guideway and Ball Screw
伺服硬軌滾珠滑台



Parallelism & Flatness（平行度）: within 0.01mm / 100mm
With Turcite for Guideway（上蓋滑道貼耐磨片）

規格 Model	寬 Width mm	長 Length mm	行程 Travel mm
BS-150	150	300~400	80~180
BS-180	180	370~470	100~200
BS-220	220	420~940	100~500
BS-250	250	420~1200	100~760
BS-300	300	420~1200	100~760
BS-360	360	560~1200	180~580
BS-420	420	560~1200	120~580
BS-500	500	885~1800	345~1180
BS-600	600	885~1800	345~1180

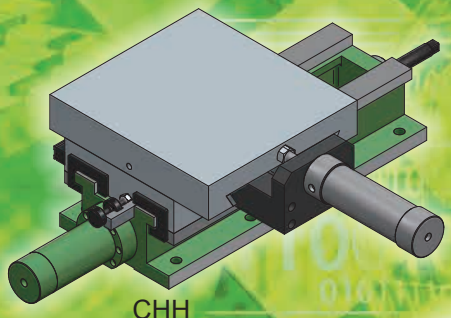
Hydraulic Slide Table Unit
油壓滑台



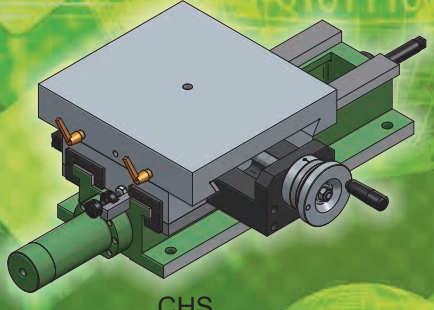
Parallelism & Flatness（平行度）: within 0.01mm / 100mm

規格 Model	寬 Width mm	長 Length mm	行程 Travel mm
HS-150	150	300~400	80~180
HS-180	180	370~470	100~200
HS-220	220	420~940	100~500
HS-250	250	420~1200	100~760
HS-300	300	420~1200	100~760
HS-360	360	560~1200	180~580
HS-420	420	560~1200	120~580
HS-500	500	885~1800	345~1180
HS-600	600	885~1800	345~1180

Hydraulic Cross Slide Table
油壓十字滑台



CHH

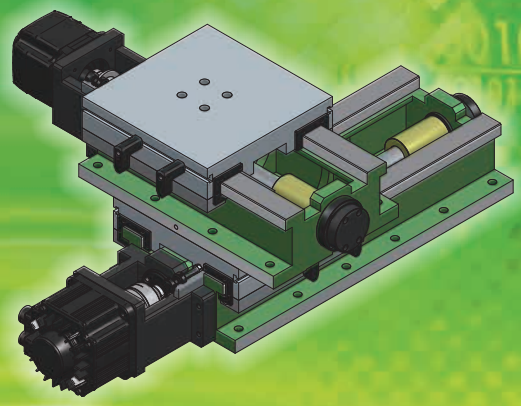


CHS

Parallelism & Flatness（平行度）: within 0.01mm / 100mm
Cross Table With Servo Ball Screw is Available
可訂製伺服滾珠螺桿伺服傳動（CBB系列）

規格 Model	寬 Width mm	X 行程 Travel mm	Y 行程 Travel mm
CHS220-300/420	220	100	100
CHS220-300/520		200	
CHS220-300/670		350	
CHS220-300/800		480	
CHS220-300/940		620	
CHS300-300/420	300	100	100
CHS300-300/560		240	
CHS300-300/670		350	
CHS300-300/800		480	
CHS300-300/940		620	
CHS300-300/1200		880	

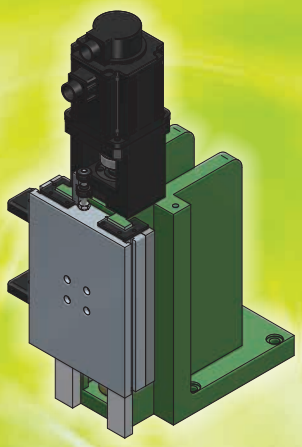
Servo Cross Slide Table
伺服十字滑台



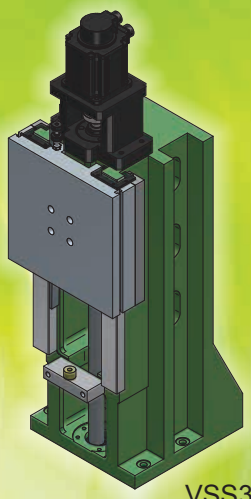
Parallelism & Flatness（平行度）: within 0.01mm / 100mm
※ Customized stokes are available（行程可訂製）

規格 Model	寬 Width mm	X 行程 Travel mm	Y 行程 Travel mm
CBB-150	150	80~180	80~180
CBB-180	180	100~200	100~200
CBB-220	220	100~500	100~500
CBB-250	250	100~760	100~760
CBB-300	300	100~760	100~760
CBB-360	360	100~760	100~760

Vertical Slide Table / Servo Type
立式伺服硬軌滾珠滑台



VSS220, VSS300

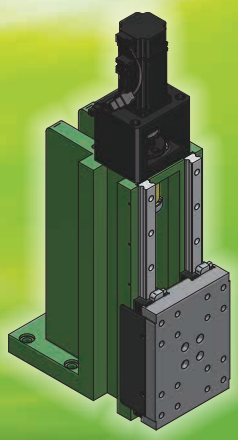


VSS360

Perpendicularity（垂直度）: within 0.01mm / 100mm

規格 Model	寬 Width mm	高 Height mm	行程 Travel mm
VSS150-200/400	150	400	180
VSS220-300/420	220	420	100
VSS220-300/670	220	670	200
VSS300-360/540	300	540	120
VSS300-360/720	300	720	220
VSS360-360/920	360	920	260

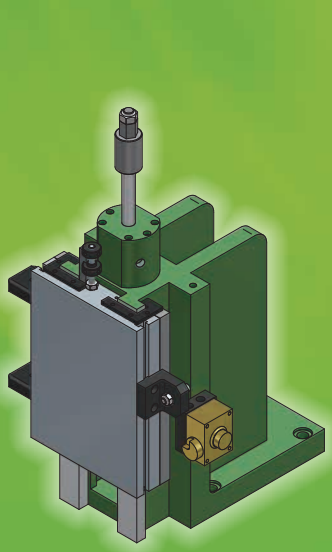
Vertical Slide Unit / Servo Linear Rail Type
立式伺服線軌滾珠滑台



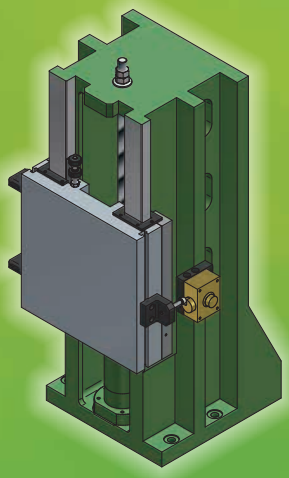
Perpendicularity（垂直度）: within 0.01mm / 100mm

規格 Model	寬 Width mm	高 Height mm	行程 Travel mm
VRB150-200/400	150	400	180
VRB220-300/420	220	420	100
VRB220-300/670	220	670	200
VRB300-360/540	300	540	120
VRB300-360/720	300	720	220
VRB360-360/920	360	920	260

Vertical Slide Table / Hydraulic Type
立式油壓滑台



VAH220, VAH300

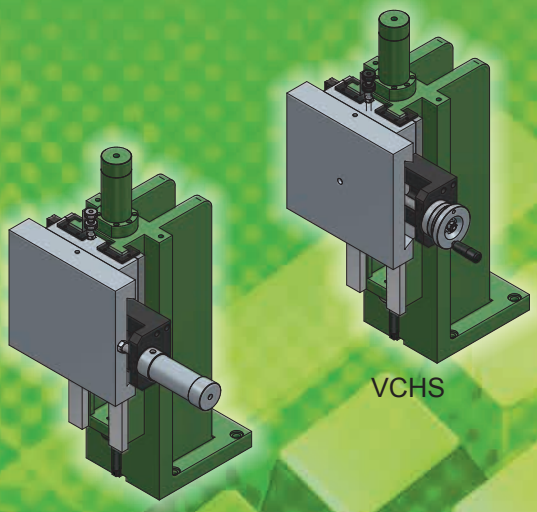


VAH360

Perpendicularity（垂直度）: within 0.01mm / 100mm

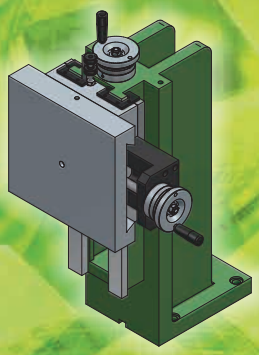
規格 Model	寬 Width mm	高 Height mm	行程 Travel mm
VAH220-300/420	220	420	100
VAH220-300/670	220	670	200
VAH300-360/540	300	540	120
VAH300-360/720	300	720	220
VAH360-360/920	360	920	260

Vertical Cross Slide Table
立式十字型滑台



VCHH

VCHS

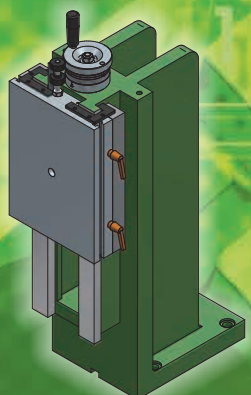


VCSS

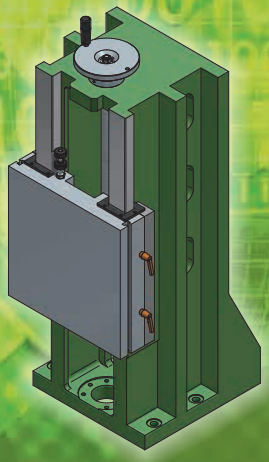
Perpendicularity（垂直度）: within 0.01mm / 100mm

規格 Model	寬 Width mm	長 Length mm	行程 Travel mm
VCHH220-300/420	220	420	100
VCHH220-300/670	220	670	200
VCHH300-300/540	300	540	180
VCHH300-300/720	300	720	280

Vertical Slide Table / Lead Screw Type
立式角牙滑台



VAS220, VAS300

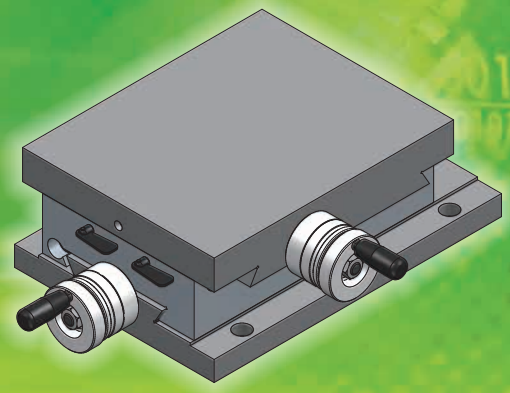


VAS360

Perpendicularity（垂直度）: within 0.01mm / 100mm

規格 Model	寬 Width mm	高 Height mm	行程 Travel mm
VAS220-300/420	220	420	100
VAS220-300/670	220	670	200
VAS300-360/540	300	540	120
VAS300-360/720	300	720	220
VAS360-360/920	360	920	260

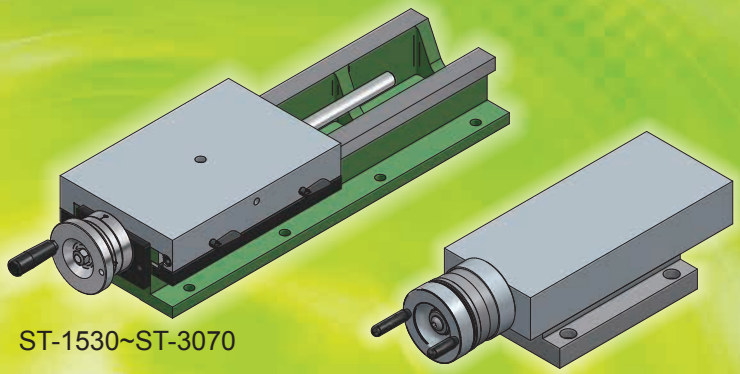
Cross Slide Table
十字型工作台



Parallelism & Flatness（平行度）: within 0.01mm / 100mm

規格 Model	寬 Width mm	X 行程 Travel mm	Y 行程 Travel mm
CST150-200/230	150	80	50
CST150-230/230		80	80
CST300-240/360	300	60	50
CST300-350/350		50	100
CST350-400/500	350	150	100

Lead Screw Slide
單向角牙滑座



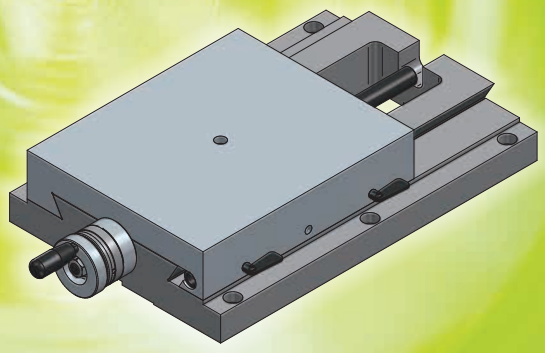
ST-1530~ST-3070

ST-75, ST-100

Parallelism & Flatness（平行度）: within 0.01mm / 100mm

規格 Model	寬 Width mm	行程 Travel mm
ST-75	75	75
ST-100	100	100
ST-1530	155	100
ST-2040	200	100
ST-2060	200	300
ST-3050	300	150
ST-3070	300	350

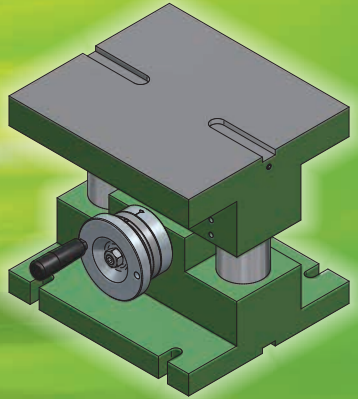
Lead Screw Slide Table
單向角牙滑座



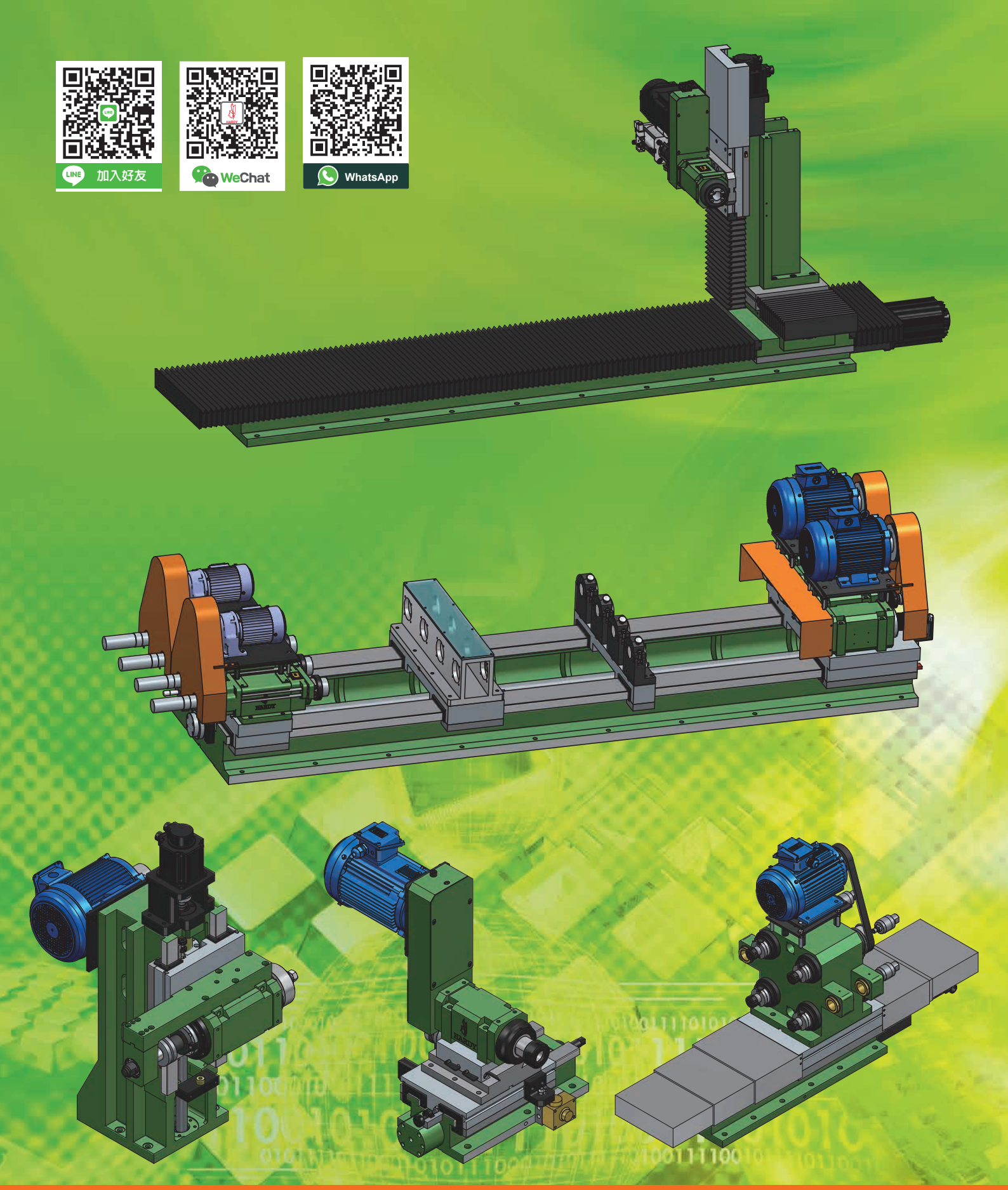
Parallelism & Flatness（平行度）: within 0.01mm / 100mm

規格 Model	寬 Width mm	行程 Travel mm
STD-1530	150	100
STD-2020	200	50
STD-2040	200	100
STD-3035	300	50
STD-3045	300	150
STD-3650	360	150

Horizontal Height Adjustable Platform
臥式升降微調座



規格 Model	台面 Table mm	高 Height mm	行程 Travel mm
CK-200	280x250	205~265	60



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