



## EUMACH FAMILIES



• **HSM-600**  
Vertical machine center  
760MM ~ 3200MM X axis travel



• **TVMC-2000 / 3000**  
Moving column machine center  
2320MM ~ 5320MM X axis travel



• **LBM-1500**  
High speed bridge type machine center  
1100MM ~ 2200MM X axis travel



• **DVM-5X**  
5 Axis double column machine  
2200MM ~ 6200MM X axis travel



• **EBM-2150**  
5 Face machine center  
1400MM ~ 3200MM X axis travel



• **MB-1500**  
Moving column horizontal machine center  
1260MM ~ 4000MM X axis travel



• **UMC-1600**  
5 Axes Simultaneous Milling Center  
1620mm x 1260mm x 1050mm



• **FBE-1500**  
Universal milling machine  
1500MM ~ 4000MM X axis travel



• **FBM-10040**  
Floor type milling center  
4M~20M X axis travel

FMS-90050203 886-4-2285-2288

# Eumach

*Always A Step Ahead*



## VMC-2150 / 2600 / 3200

**VERTICAL MACHINING CENTER**

**新衛立式綜合加工機**

**A PROFESSIONAL CNC MACHINES MANUFACTURER**

**Eumach Co.,LTD.**  
*Always A Step Ahead*

新衛電腦機械股份有限公司

★Specifications subject to change without notice.  
規格更改・恕不另行通知・Catalogue No.B0050203

2, YING LIN LANE, HE-SHENG STREET, SHI-GANG DISTRICT, TAICHUNG CITY 422, TAIWAN, R.O.C.  
台中市石岡區和盛里和盛街營林巷2號  
TEL:886-4-25810031 FAX:886-4-25810003  
E-mail:eumach.coltd@msa.hinet.net ; eumach@ms8.hinet.net  
http://www.eumach.com



# VMC-2150



- 2150MM / 1100MM / 900MM TRAVEL (三軸行程)
- 15KW/18.5KW~30KW/37KW SPINDLE MOTOR (強力主軸)
- ABOVE PHOTO'S FULL GUARD & ROTARY TABLE ARE OPTIONS  
(照片中全密式鈹金刀臂式刀庫及第四軸旋轉工作台為選購配備)
- 24~40 ATC (自動換刀)    ● 21000KG (機械重量)

## SADDLE / 鞍座 :

4 METERS LENGTH SUPER HEAVY SADDLE, GUARANTEED NO TABLE OVERHANG FOR TABLE MOVEMENT.  
4公尺長鞍座，保證工作台無外懸，而為全支撐設計。

## TABLE / 工作台 :

STANDARD 2200MM x 1220MM EXTRA WIDE WORKING TABLE HANDLES BIG HEAVY WORKPIECE.  
標準 2200MM x 1220MM 超寬工作台，可承載大型工件。

## MACHINE BASE / 底座 :

NEWLY DESIGNED UPGRADED Y AXIS HYBRID TYPE GUIDE WAYS : NOW WITH TWIN 150MM WIDTH BOX TYPE HARDENED GROUND GUIDE WAYS IN THE MIDDLE + TWIN 65MM ROLLER GUIDE IN BOTH SIDES, GUARANTEE BETTER SQUARENESS GEOMETRY.  
最新設計之複合軌兩線兩硬增加載重與速度  
更大幅提升機台直角精度



- SPINDLE HEAD IS INTERNALLY WRAPPED BY COLUMN SLIDEWAYS TO GIVE MUCH MORE RIGIDITY & STIFFNESS THAN COMPETITORS' TRADITIONAL DESIGN.

- 主軸頭內包於立柱，較一般同業傳統外包式，更具備最佳剛性適合重切削而不振動。



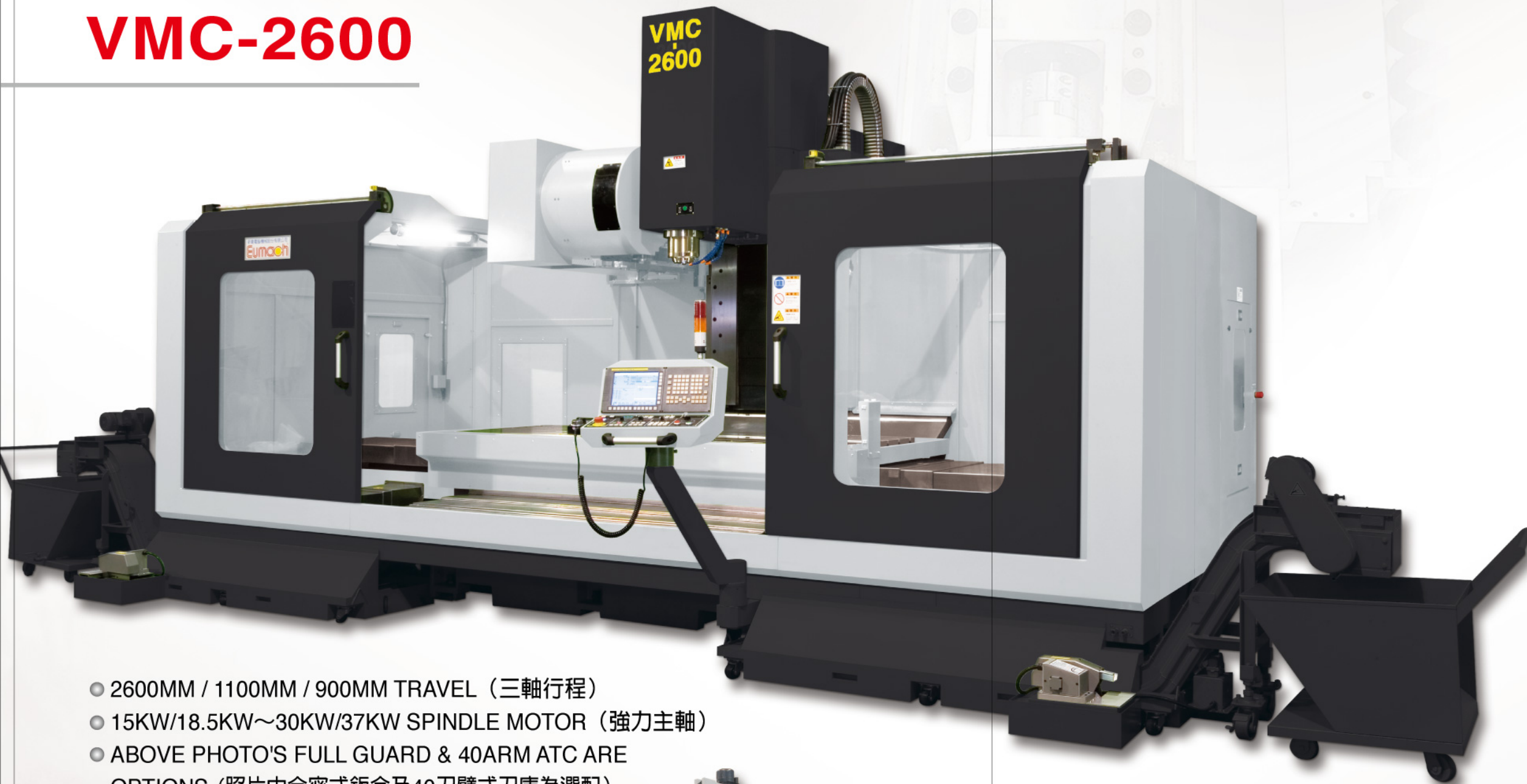
- EXTRA WIDE INTERIOR SPACE  
寬廣內部空間

## COLUMN / 立柱 :

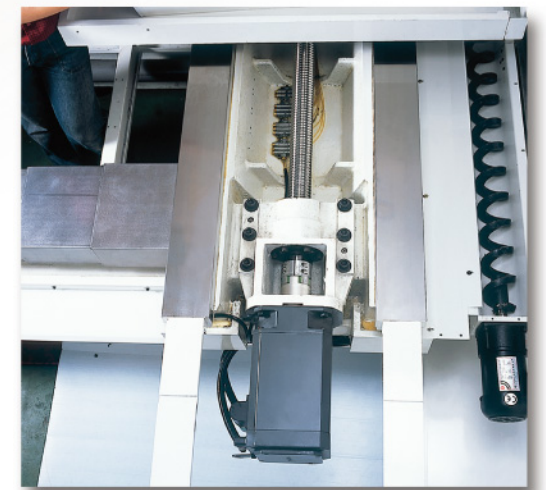
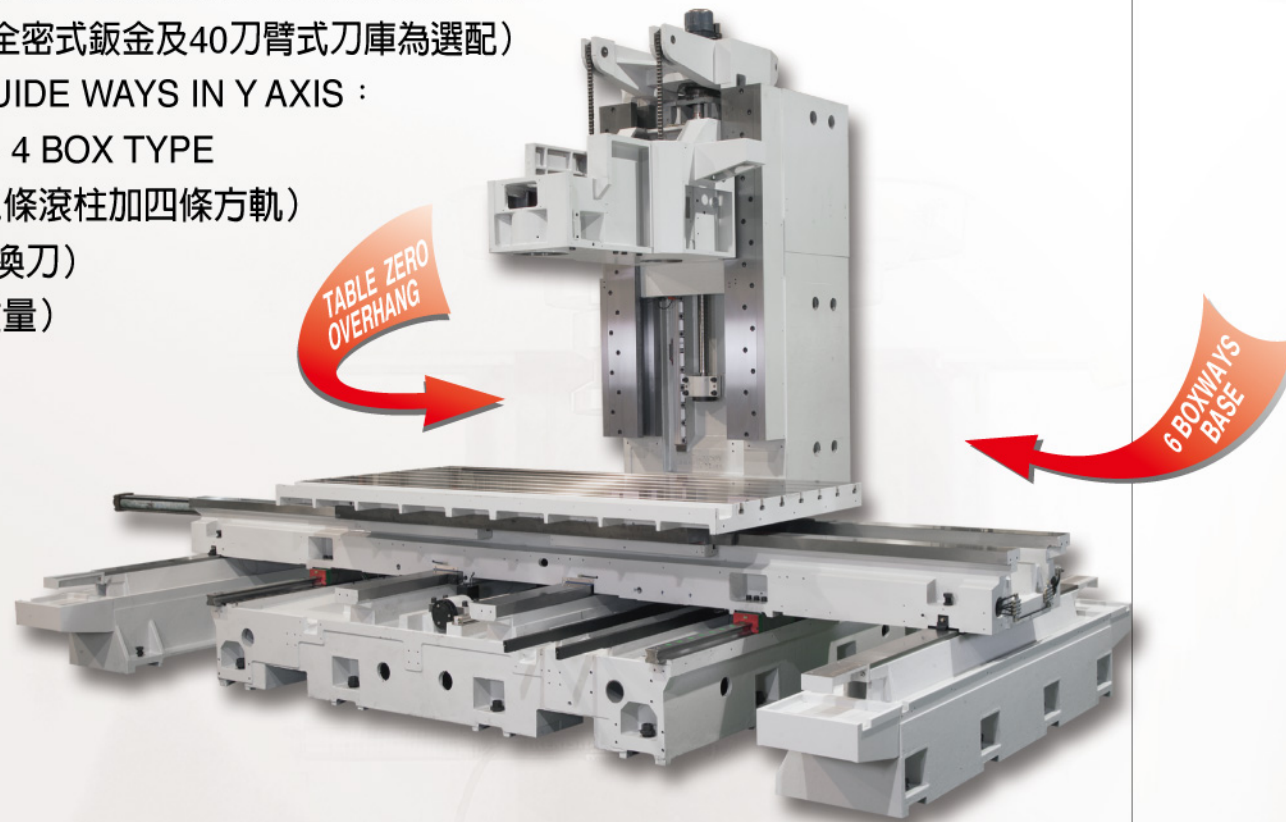
THE OVERSIZED BOX TYPE COLUMN 908MM(L) x 1100MM(W) x 2450MM(H). THE BEST SUPPORT AT SPINDLE HEAD HEAVY CUTTING AND COLUMN STIFFNESS.  
超大型 908MM x 1100MM x 2450MM  
立柱足以支撐重切削。



# VMC-2600



- 2600MM / 1100MM / 900MM TRAVEL (三軸行程)
- 15KW/18.5KW~30KW/37KW SPINDLE MOTOR (強力主軸)
- ABOVE PHOTO'S FULL GUARD & 40ARM ATC ARE OPTIONS (照片中全密式鉸金及40刀臂式刀庫為選配)
- 6 HEAVY DUTY GUIDE WAYS IN Y AXIS :  
2 ROLLER TYPE + 4 BOX TYPE  
(Y軸6條複合軌：二條滾柱加四條方軌)
- 24~40ATC (自動換刀)
- 22000 KG (機械重量)



- DIRECTLY COUPLED BETWEEN BALLSCREW AND SERVO MOTOR (三軸直接傳動)

## COLUMN / 立柱 :

THE OVERSIZED BOX TYPE COLUMN 908MM(L) x 1100MM(W) x 2450MM(H). THE BEST SUPPORT AT SPINDLE HEAD HEAVY CUTTING AND COLUMN STIFFNESS.

超大型 908MM x 1100MM x 2450MM 立柱足以支撐重切削。

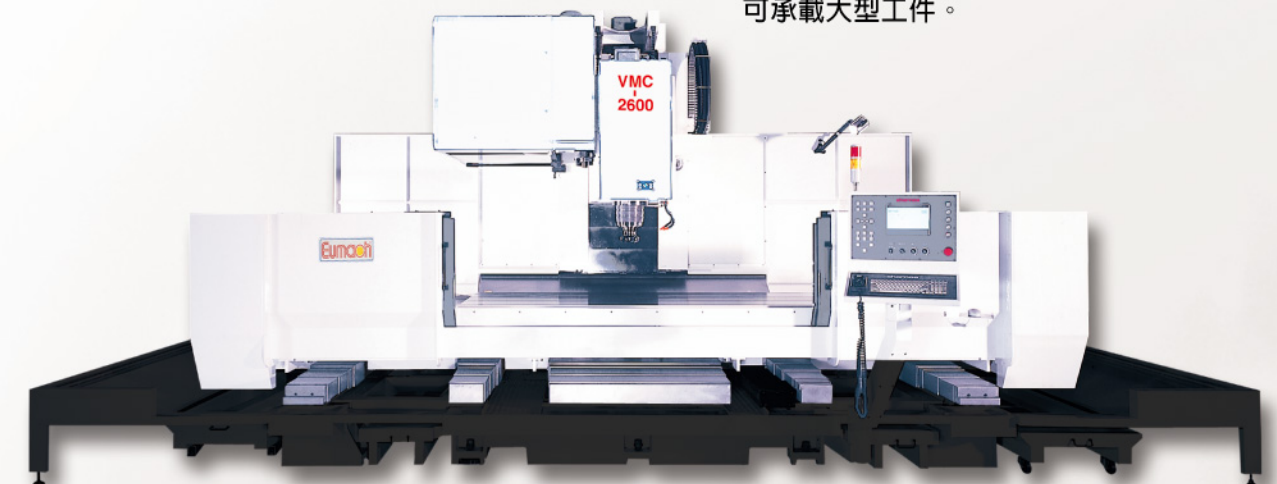
## SADDLE / 鞍座 :

4.9 METERS LENGTH SUPER HEAVY SADDLE, GUARANTEED NO TABLE OVERHANG FOR TABLE MOVEMENT. 4.9公尺長鞍座，保證工作台無外懸，而為全支撐設計。

## TABLE / 工作台 :

STANDARD 2650MM x 1220MM EXTRA WIDE WORKING TABLE HANDLES BIG HEAVY WORKPIECE.

標準 2650MM x 1220MM 超寬工作台，可承載大型工件。



- TABLE SPLASH GUARD (標準工作台式鉸金)

# VMC-3200

- 3200MM / 1100MM / 900MM TRAVEL (三軸行程)
- 15KW/18.5KW~30KW/37KW HIGH TORQUE SPINDLE MOTOR (強力主軸)
- PHOTO BELOW FULL GUARD & 40ARM ATC ARE OPTIONS  
(照片中全密式鋁金及40刀臂式刀庫為選購配備)
- 24~40 ATC (自動換刀)
- 6 HEAVY DUTY GUIDE WAYS IN Y AXIS : 2 ROLLER TYPE + 4 BOX TYPE  
(Y軸6條複合軌：二條滾柱加四條方軌)
- 24000 KG (機械重量)



● EXTRA WIDE INTERIOR SPACE  
寬廣內部空間



● 6 BOXWAYS BASE Y軸6條滑軌

**GUARANTEED MACHINE ACCURACY**
 機械保証精度



● BALL BAR TEST (循環測試)



● LASER INSPECTED (雷射檢驗)

| STANDARD 標準<br>ACCURACY 精度 | JIS REQUIRED<br>日本JIS標準要求 | EUMACH GUARANTEED<br>新衛保證 | VDI 3441 方式檢測<br>GUARANTEED 保證 |
|----------------------------|---------------------------|---------------------------|--------------------------------|
| POSITIONING 定位             | 0.02MM / 300MM            | ±0.005MM / 300MM          | P 0.014MM                      |
| REPEATABILITY 重覆           | ±0.01MM                   | ±0.003MM                  | PS 0.01MM                      |

**CNC CONTROLS AVAILABLE**
 控制器可選擇



● SIEMENS (西門子)  
840D / 828D



● HEIDENHAIN (海德漢)  
TNC-i640



● MITSUBISHI 三菱

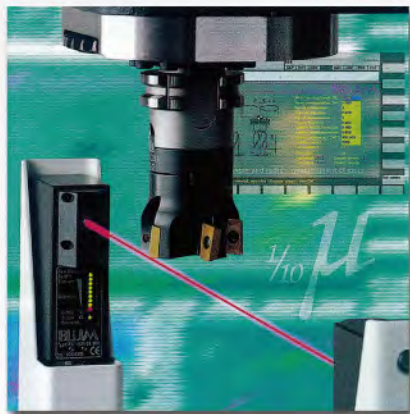


● FANUC 發那科  
Oi-MF+

**OPTIONAL ACCESSORIES (選購配件)**



● TOOL LENGTH & RADIUS  
MEASUREMENT  
刀具量測



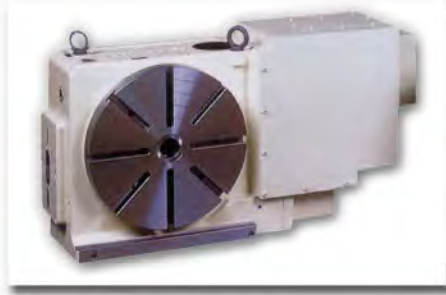
● TOOL LASER MEASUREMENT  
雷射刀具量測



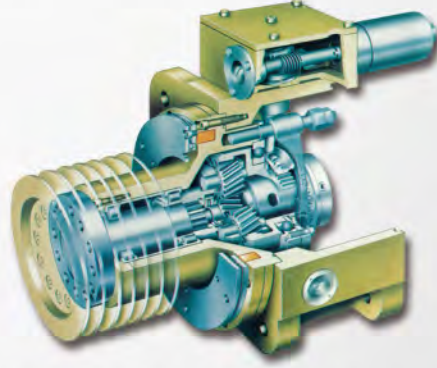
● ARM TYPE AUTOMATIC TOOL CHANGE  
32 / 40 / 60 TOOLS  
刀臂式自動換刀



● WORKPIECE PROBE  
工件量測



● CNC ROTARY TABLE  
第4軸旋轉工作台



● PLANETARY GEARBOX HEAD  
行星式齒輪箱主軸頭



● COOLANT THRU SPINDLE DEVICE  
主軸中心出水

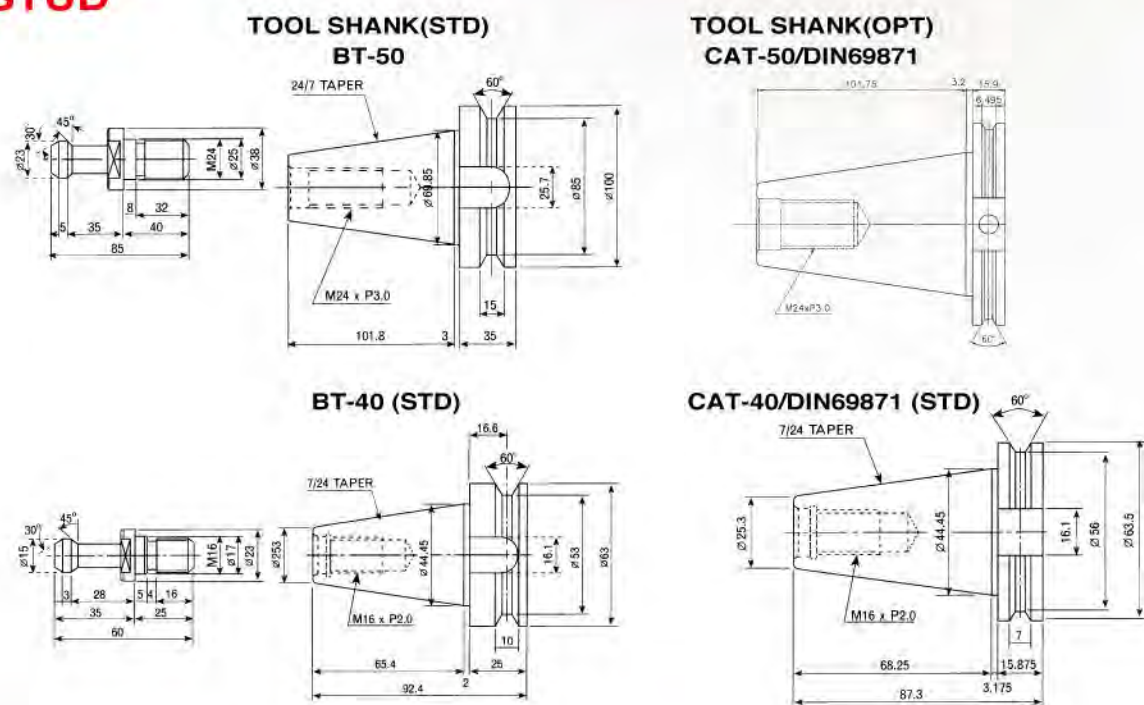


● AXIS LINEAR GLASS SCALES  
光學尺回饋

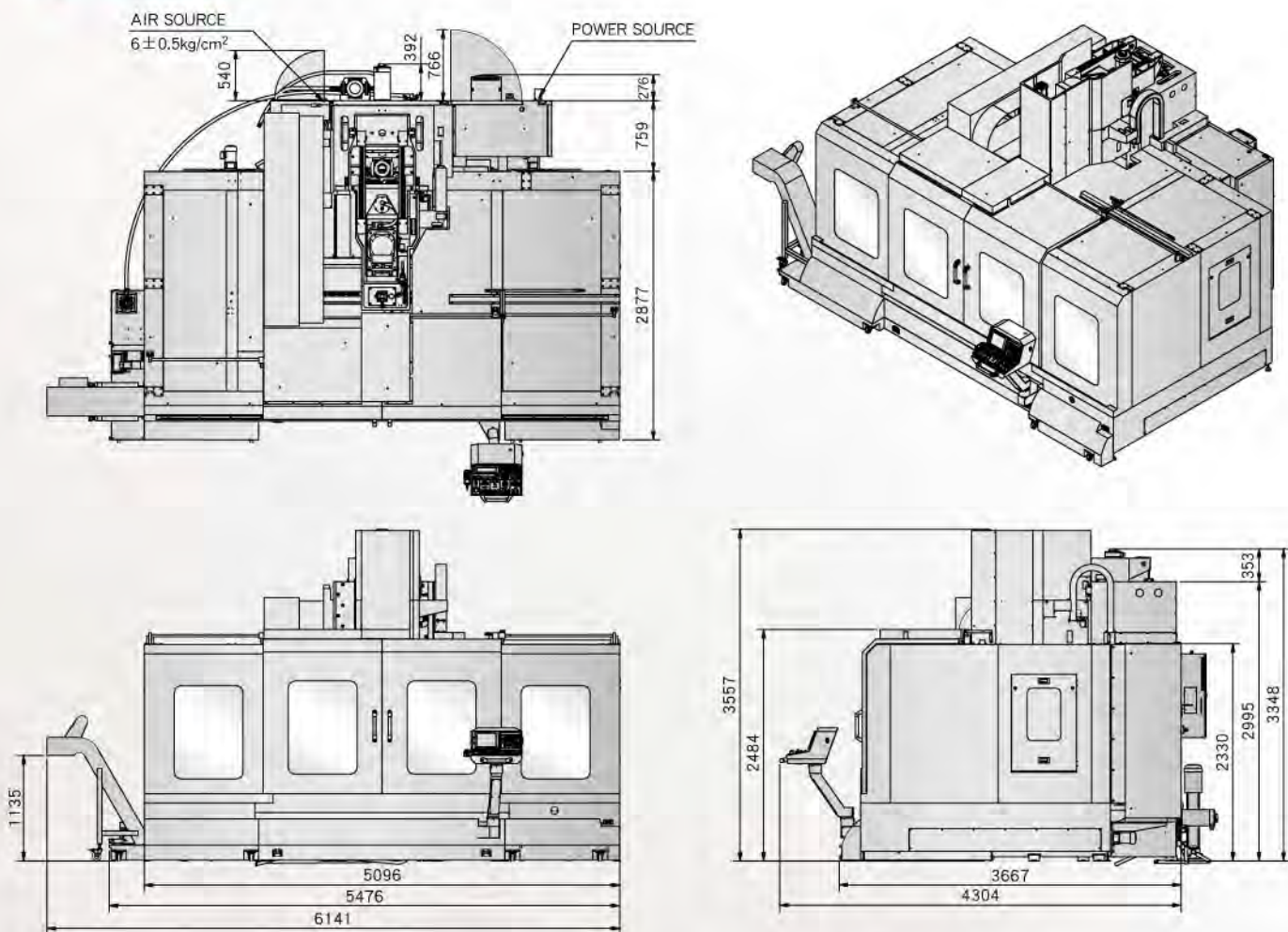


● CHAIN TYPE CHIP CONVEYOR  
履帶式排屑機

PULL STUD, TOOL SHANK (拉拴及刀柄)  
PULL-STUD



MACHINES DIMENSIONS (機器佔地尺寸)  
VMC-2150



VMC-2600 / 3200 ARE ABOUT 1050 / 2550MM LONGER THAN VMC-2150,  
VMC-2600/3200比VMC-2150左右長約1050/2550MM

MACHINES SPECIFICATIONS (機械規格)

| MODEL                        | 機型                  | UNIT               | VMC-2150           | VMC-2600      | VMC-3200      |
|------------------------------|---------------------|--------------------|--------------------|---------------|---------------|
| TABLE:                       | 工作台                 |                    |                    |               |               |
| OVERALL SIZE                 | 工作台尺寸               | MM                 | 2200 × 1220        | 2650 × 1220   | 3250 × 1220   |
| T SLOTS(SIZE × NO)           | T 型槽 (尺寸 × 個數 × 距離) | MM                 | 22 × 7 × 160       |               |               |
| MAXIMUM LOADING              | 荷重                  | KG                 | 2500               | 3000          | 3500          |
| TRAVEL:                      | 行程                  |                    |                    |               |               |
| X / Y / Z AXIS               | X / Y / Z 軸         |                    | 2150/1100/900      | 2600/1100/900 | 3200/1100/900 |
| DISTANCES:                   | 距離                  |                    |                    |               |               |
| SPINDLE TO COLUMN WAYS       | 主軸中心到立柱軌道面          | MM                 | 1136               |               |               |
| SPINDLE TO TABLE TOP         | 主軸鼻端到工作台面           | MM                 | 151-1051(186-1086) |               |               |
| TABLE TO FLOOR               | 工作台面到地面             | MM                 | 875                |               |               |
| SPINDLE:                     | 主軸                  |                    |                    |               |               |
| TAPER                        | 錐度                  | BT #               | 50(40)             |               |               |
| SPEED                        | 轉速                  | RPM                | 6000(10000)        |               |               |
| FRONT BEARING DIAMETER       | 直徑                  | MM                 | 90                 |               |               |
| MOTOR                        | 馬達馬力                | KW                 | 15/18.5~30/37      |               |               |
| AXIS MOTORS: X/Y/Z           | 三軸馬達 X / Y / Z      |                    |                    |               |               |
| POWER                        | 功率                  | KW                 | 4.8/7.4/4.8        |               |               |
| TORQUE                       | 扭力                  | Nm                 | 30/40/30           |               |               |
| FEEDRATE: X/Y/Z              | 速率 X / Y / Z        |                    |                    |               |               |
| CUTTING FEEDRATE             | 切削速率                | MM/MIN             | 1-8000             |               |               |
| RAPID FEEDRATE X/Y/Z:        | 快速進給 X / Y / Z      |                    |                    |               |               |
| RAPID                        | 快速                  | M/MIN              | 15/15/15           |               |               |
| MINIMUM SETTING              | 最小設定單位              |                    | 0.001              |               |               |
| ATC(AUTOMATIC TOOL CHANGER): | 自動換刀機構              |                    |                    |               |               |
| TYPE OF ATC                  | 刀庫型式                |                    | ARM 刀臂式            |               |               |
| NO.OF ATC                    | 刀庫容量                | TOOLS              | 24(32,40)          |               |               |
| MAX.TOOL(DIA/LENGTH)         | 最大刀徑/刀長             | MM                 | Φ110 / 300         |               |               |
| MAX.TOOL WEIGHT              | 最大刀重                | KG                 | 15                 |               |               |
| TOOL TO TOOL                 | 刀對刀                 | SEC.               | 5                  |               |               |
| BALLSCREWS ON 3 AXIS:        | 三軸螺桿                |                    |                    |               |               |
| DIA. × PITCH                 | 直徑 × 截短             | MM × MM            | 63/63/63 × 10      |               |               |
| PRECISION CLASS              | 等級, 研磨精度            | MM                 | C3, 0.008          |               |               |
| COOLANT & LUBRICATION:       | 冷卻及自動潤滑機構           |                    |                    |               |               |
| COOLANT MOTOR POWER          | 冷卻液馬達馬力             | KW                 | 0.86               |               |               |
| COOLANT TANK VOLUME          | 冷卻水箱容量              | L                  | 350                |               |               |
| COOLANT MOTOR CAPACITY       | 冷卻石浦流量              | L/MIN              | 20                 |               |               |
| LUBRICATION MOTOR POWER      | 自動注油器馬力             | WATT               | 25 × 2             |               |               |
| LUBRICATION TANK VOLUME      | 自動注油器油箱容量           | L                  | 4                  |               |               |
| ACCURACY:                    | 精度                  |                    |                    |               |               |
| POSITIONING                  | 定位精度                | MICRON / MM        | ± 5/300            |               |               |
| REPEATABILITY                | 重複精度                | MICRON             | 3                  |               |               |
| ROUNDNESS                    | 圓度                  | MICRON / MM        | 10/300             |               |               |
| MISCELLANEOUS:               | 其它                  |                    |                    |               |               |
| MACHINE NET WEIGHT           | 機械淨重                | KG                 | 21000              | 22000         | 24000         |
| POWER REQUIRED               | 電力需求                | KVA                | 35                 |               |               |
| PNEUMATIC REQUIRED           | 機械所需空壓壓力            | KG/CM <sup>2</sup> | 7                  |               |               |

( ) OPTION 選配

STANDARD FEATURES & ACCESSORIES:

1. FULL SPLASH GUARD
2. 24 TOOLS ARM TYPE ATC
3. PROGRAMMABLE COOLANT SYSTEM
4. AUTOMATIC LUBRICATION SYSTEM
5. SPINDLE AIR BLAST SYSTEM
6. WORKING LAMP
7. ALARM LAMP FOR ABNORMAL SITUATION
8. INDICATION LAMP FOR DWELL & END OF JOB
9. LEVELLING BOLTS & PADS
10. BT#50 SPINDLE & ATC, HTD BELT HEAD
11. PRE-EXTENSIONED BALLSCREWS
12. RS-232C TERMINAL INTERFACE PORT
13. MACHINE & CONTROL MANUALS
14. TOOLBOX WITH SPANNERS & WRENCHES
15. SCREW CHIP CONVEYOR REAR SIDE OF SADDLE

標準功能:

1. 全密鍍金防屑罩
2. 24把刀臂式刀庫
3. 可程式冷卻系統
4. 自動潤滑系統
5. 主軸吹氣裝置
6. 工作照明燈
7. 警示燈
8. 暫停與工作完成警示燈
9. 水平調整螺栓與基礎塊
10. BT-50主軸, HTD皮帶傳動
11. 三軸X/Y/Z螺桿預拉裝置
12. RS-232C介面
13. 操作及控制手冊
14. 工具箱
15. 螺旋式排屑機 (立柱與工作台間)