TAIWAN WINNERSTECH MACHINERY CO．，LTD．
37，Lane． 282 North 6th，Sec．4，Changping Rd．
Daya Dist，Taichung City 42850，Taiw
TEL ：＋886－4－2565－2092（3）$\cdot$ FAX ：＋886－4－2565－2391
－mailinfoewinnerstech．com．tw
www．winnerstech．com．tw

NANJING WINNER TECHNOLOGIES CO．，LTD． No．1－2，Fengyuan Road，Guabu Town，Luhe District，Naning TEL ：＋86－025－57633338 Fax ：＋86－025－57632338


## woil o cass VML <br> Ultimate Machining Capability ！

## Dealer

High Speed VMC VMc 850/1000/1100
Achieve High Level of Accuracy \& Rigidity

A/E SERIES
A -3 axes linear guideways
-E - X \& Y Linear ; Z boxways

## 12000/15000rpm Spindle Speed

Accomplish and Designed for High - Speed Performance.


## Gear-drive spindle

The geared-head spindle performs ncreased high torque for heavy duty cutting. All the gear parts are contained uarantee all parts being lubricated well and make the noise down to low-level.


## Direct-drive spindle

The most advanced spindle design is an innovative $10,000 \sim 12,000$ rpm, in-line direct-drive spindle that is coupled directly peration for excellent surface finishes, and reduces operating heat for greater thermal stability.


Cartridge type spindle
The spindle use pre-loaded angularcontact bearings throughout, to enhance radial stability, enabling heavy cuts in cutting and create a better part finish. This spindle is prepared to easily add the CTS option.

## Tough <br> Accurate <br> Versatile VMC 1400/1801/1901

Tough
Accurate
Versatile

## Options



Coolant through spindle（cts）
The optional Coolant Through Spindle CTS）help to increase the higher cutting peed，chips removable for deep－hole drill and fine finishing of pocketing mill．


4th／5th axis rotary table
4th／5th axis rotary table available for multi－sides machining．The reduced set－up brings higher productivity and absolute parts accuracy


Workpiece Measuremen
The advance part probing system acts parts inspection and primary－piece measurement，the data quickly advance


## Linear scales

Linear scales are required when absolute positioning accuracy is necessary，in order o ensure exact axis positioning unde fluctuation temperatures．Linear scales can achieve high positioning accuracy．


Tool measurement
Simplified tool measurement either for tool length or tool outer diameter can be tivated with initial $M$ codes for breakage detective and also auto compensation．


Coolants jets Around spindle
While high speed machining，the equip－ ment can help to eliminate the chips stuck inside of workpiece，hence the accuracy and tool life can be kept longer．

Connect with
High－Value Manufacturing Markets

## Spindle Tool Diagram



## Model Dimensions



| Model | A | B | C | D | E | F | G | H | I | J |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| VMC－A650 | 4258 | 4064 | 2519 | 2159 | 861 | 2200 | 1040 | 1481 | 2327 | 2540 |
| VMC－A750 | 4258 | 4064 | 2519 | 2159 | 861 | 2200 | 1040 | 1481 | 2327 | 2540 |
| VMC－A／E850 | 5118 | 3982 | 2658 | 2145 | 866 | 3060 | 1370 | 1500 | 2405 | 2851 |
| VMC－A／E1000 | 5118 | 3982 | 2658 | 2145 | 866 | 3060 | 1370 | 1500 | 2405 | 2851 |
| VMC－A／E1100 | 4960 | 4660 | 2695 | 2226 | 866 | 3100 | 1560 | 1475 | 2998 | 3627 |
| VMC－A1200 | 5826 | 3928 | 2670 | 2169 | 811 | 3824 | 1560 | 1420 | 2898 | 3487 |
| VMC－E1300 | 5826 | 3928 | 2670 | 2169 | 811 | 3824 | 1560 | 1420 | 2898 | 3487 |
| VMC－E1400 | 5826 | 3928 | 2670 | 2169 | 811 | 3824 | 1560 | 1420 | 2898 | 3487 |
| VMC－E1801 | 7575 | 5155 | 3310 | 2761 | 960 | 5090 | 2400 | 1850 | 3378 | 4350 |
| VMC－E1901 | 7575 | 5155 | 3310 | 2761 | 960 | 5090 | 2400 | 1850 | 3378 | 4350 |
| VMC－E2101 | 7575 | 5155 | 3310 | 2761 | 960 | 5090 | 2400 | 1850 | 3378 | 4350 |



## Specification



All specifications \＆design are subject to change without prior notice．
（1）3－axes auto lubrication system

## 2 Rigid tapping

3 Cooling device
（4）Full enclosed guard
（5）Spindle air blast
（6）Standard RS－232 transmission interface
7 Heat exchanger
（3）Work lamp
（9）Alarm indicator
（10）Tool kits with foot pad screws
（1）Telescopic cover on 3－axes
（12）Operatioon manual
（3）Maintenance manua

## （1）Fanuc／Mitsubishi controller

## （2）Chip conveyor

（3）4th \＆5th axis rotary table
（4）Spindle speed $10000 \mathrm{rpm} / 12000 \mathrm{rpm}(\mathrm{BT}-40)$
（5）3－axes linear scales
6 Spindle cooling system
（7）Auto tool length measurement

8 Work－piece measurement
（9）Disc oil／coolant separator
（10）Coolant through spindle（CTS）
（1）Spindle splash surround（for arm type only）
（12）Electric cabinet air conditioner
（13）Automatic voltage stabilizer
（14）Transformer

