



# Victor Taichung at TMTS 2018



Victor Taichung Machinery

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台灣智慧機械專業製造者

工業 **V4.0** 整合製造者

# TMTS 2018 (Taichung), 7~11<sup>th</sup> Nov.

## Category –A: Single machine with robot

- **A1: Vturn-NP20CM\*** with gantry robot
- **A2: Vturn-NP16** with EWR03 robot
- **A3: Vturn-S26CM\*** with gantry robot and CCD measuring station
- **A4: Vturn-S26\*** with gantry robot

*\*First time  
in Taiwan*

## Category –B: Two machines (Vturn+Vcenter) with robot

- **B1: Vcenter-P76 + Vturn-NP16** with Fanuc robot
- **B2: Vcenter-P136\* + Vturn-45/125CM\*** with Fanuc robot

## Category –C: Collaborative robot (“COBOT”)

- **C1: Vcenter-P76** with UR robot
- **C2: Fanuc “green” robot-1 and robot-2 (“Cobot”)** with RGV



# Big Stand for Unmanned Automation

**Subject: *Industry 4.0 (Robots & Automation)***

***8 unmanned cells: 8 robots + 9 off CNC's***

**32 x 24 = 768 m<sup>2</sup>  
(Booth no. 1-A311)**

1. [Fanuc robot]  
VT-NP16CM + Vc-P76

2. [Easyway robot]  
VT-NP16

3. [Universal robot]  
Vcenter-P76

4. [Gantry robot]  
VT-NP20CM + In  
process measuring

**New!**

8. [Fanuc green robot ]  
Cobot (offered by Fanuc)

**New!**

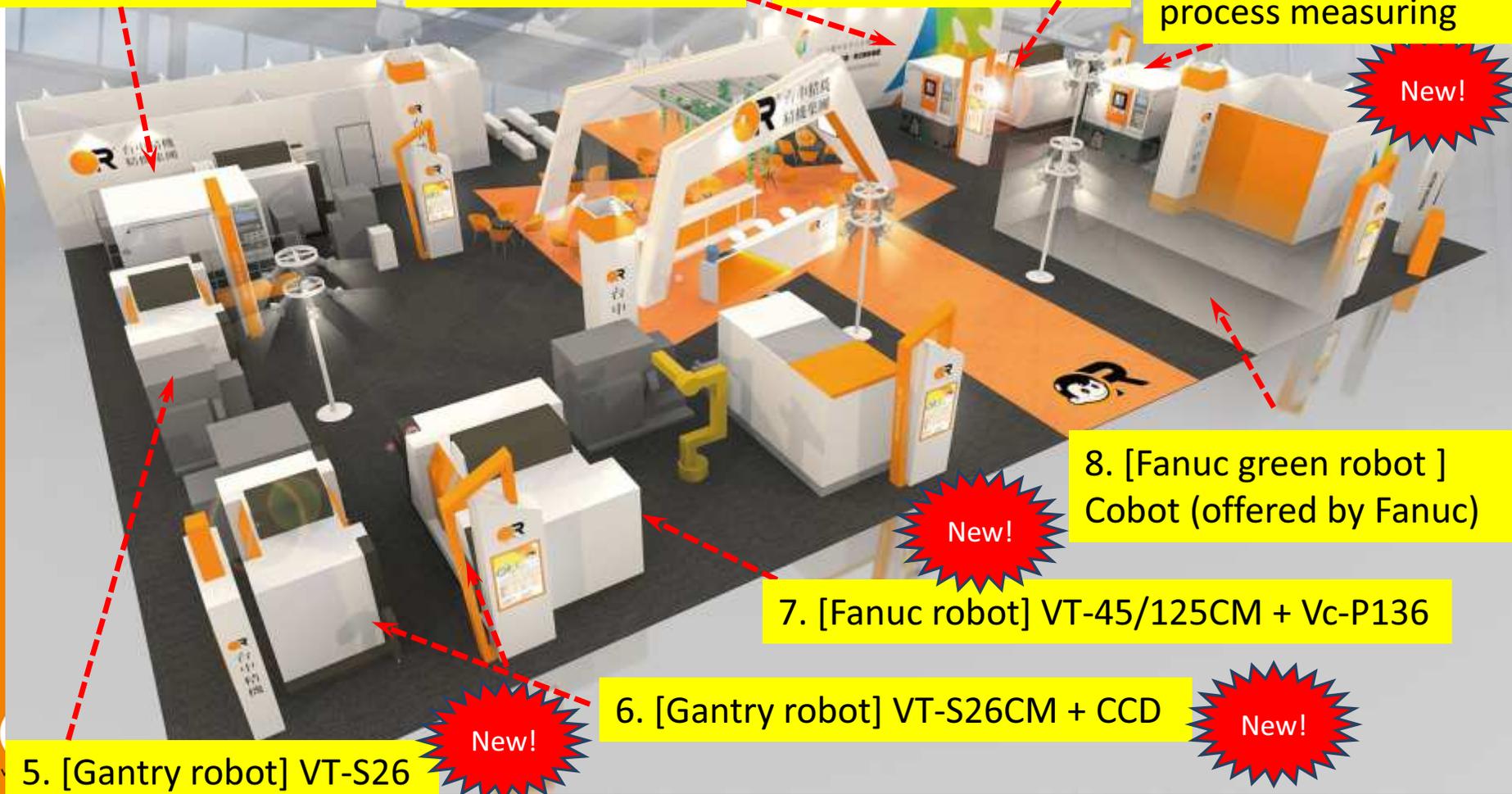
7. [Fanuc robot] VT-45/125CM + Vc-P136

6. [Gantry robot] VT-S26CM + CCD

**New!**

5. [Gantry robot] VT-S26

**New!**





# [Cell-1] VT-NP20CM with Gantry Robot

(by Easyway)



- Compact cell for New Vturn-NP20CM with rear disposal chip conveyor
- Measuring station (Marposs) + Cleaning station (by Ultrasonics)



# [Cell-2] VT-NP16 with EWR-03 Robot

(by Easyway)



➤ Robot is built inside the lathe for compact floor space.



# [Cell-3] VT-S26/60CM with Gantry Robot

(by Autoplus)



New!

CCD camera  
measures the  
thread profile .



- New model Vturn-S26/60CM with gantry robot for unmanned operation
- Measuring station (by CCD Camera)



# [Cell-4] VT-S26/60 with Gantry Robot

(by 摩訊)



*Part length is detected before loaded into lathe.*



- New model Vturn-S26/60 with gantry robot for unmanned operation
- Feature work feeder



## [Cell-5] VT-NP16CM + Vc-P76 with Fanuc Robot

- Popular cell by Fanuc robot takes care of a turning center (VT-NP16CM) and a machining center (Vc-P76)
- CCD camera detects part existence orientation.
- Laser marking station is included.

(by Autoplus)



*Fanuc robot M20iA  
+ CCD camera*

*Laser marking  
machine (logo)*



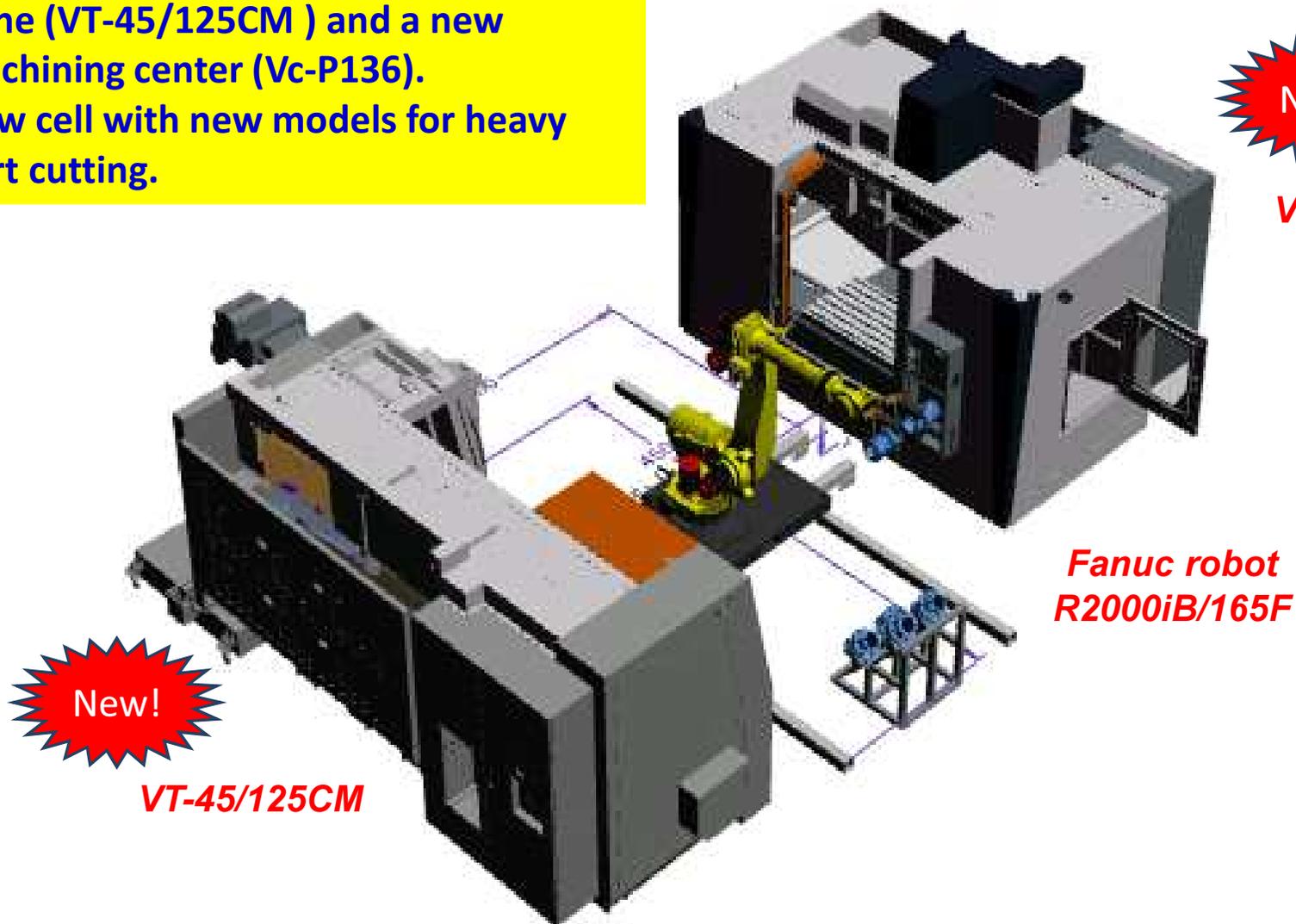
## [Cell-6] VT-45/125CM + Vc-P136 with Fanuc Robot

(by Autoplus)

- Cell by Fanuc robot takes care of a new lathe (VT-45/125CM ) and a new machining center (Vc-P136).
- New cell with new models for heavy part cutting.



**Vc-P136**



**VT-45/125CM**

**Fanuc robot  
R2000iB/165F**



# [Cell-7] Vc-P76 with Universal Robot

(by 盛鈺)



- Universal robot (cobot, 10 kg) for pick and place.
- Easy installation

# Cell-8] Fanuc Cobots (2 off) with RGV

(by FANUC)



- Fanuc “green” robot-1 and robot-2 (“Cobot”) with RGV for part transportation.
- Two cobots work together with operator (Fanuc staff)