

Tailift®

台勵福集團



- 立式綜合加工中心機
- 臥式綜合加工中心機
- Vertical Machining Center
- Horizontal Machining Center

www.tailift.com

台勵福

加工中心機

專注細節、絕佳性能

台勵福工具機研發團隊致力於機器性能的提升，始終不遺餘力。無論是結構剛性、加工效率與精度表現，台勵福研發人員不斷創新突破，以超越客戶對性能的期許。

Tailift

Machining Centers

Care To Every Detail

The Ultimate in Performance

Tailift R&D team for machine tools has been dedicated to upgrade machine performance. No matter what in structural rigidity, machining efficiency and accuracy, Tailift R&D engineers spare no effort in technical innovation and breakthrough, that enables Tailift to offer machines exceeding customers' expectations.



■ 台灣-大雅一廠
Taiwan-Taya Plant I



■ 台灣-大雅二廠
Taiwan-Taya Plant II



■ 台灣-成功三廠
Taiwan-Cheng Kung Plant III

Tailift® 台勵福集團

Tailift® Group

美國-加州廠
USA-Tailift USA

中國-青島廠
China-Qing Dao Plant

台灣-大雅一廠
Taiwan-Taya Plant I

台灣-大雅二廠
Taiwan-Taya Plant II

台灣-成功三廠
Taiwan-Cheng Kung Plant III

台灣-成功四廠
Taiwan-Cheng Kung Plant IV

台灣-中華五廠
Taiwan-Zhong Hua Plant V



■ 台灣-成功四廠
Taiwan-Cheng Kung Plant IV



■ 台灣-中華五廠
Taiwan-Zhong Hua Plant V



■ 中國-青島廠
China-Qing Dao Plant



■ 美國-加州廠
USA-Tailift USA



■ OEM / ODM 合作
OEM / ODM Business

重切削、高速加工、高精度...

盡在 台勵福 加工中心機

Heavy Cutting. High Speed
High Accuracy ...

All can be found in **Tailift**

立式綜合加工中心機 Vertical Machining Center



硬軌系列

Box Way Series

TMV-1165/1365

線軌系列

Linear Way Series

TLV-962/1162

三軌硬軌

Three Axes Box Ways

VMC-168G/188G

VMC-168B/188B



Cutting.

ilift Machining Centers

臥式綜合加工中心機 Horizontal Machining Center

X,Y 軸線軌 Z 軸硬軌
X, Y-axis Linear Ways
Z-axis Box Ways

VMC-168GL/188GL

三軌線軌

Three Axes Linear Ways

VMC-168DH/188DH



TH-630 / TH-680 / TH-800



TMV series

TMV-1165 / TMV-1365

三軸硬軌

專為重切削而打造

台勵福TMV系列擁有穩重的機器結構，配合強力的齒輪式主軸頭。在重切削能力及穩定性之表現，深獲客戶肯定。

Three Axes Box Ways Built for Heavy Cutting

With the rugged construction throughout together with extra powerful gear-drive spindle head, Tailift TMV series has been recognized by all users due to their heavy cutting capabilities and exceptional stability.



穩重的機體結構

Massive Machine Structure

穩重 高剛性

超大立柱

立柱尺寸加大，機器剛性及穩定性也相對提升。

三軸全硬軌 底座兩硬軌

X, Y, Z軸全硬軌，耐重負載，且重切削時具有最佳穩定性。

Maximum Stability and Rigidity

Oversized Column

Increased sizes on the column helps to upgrade the machine's rigidity and stability.

Box Ways on Three Axes Two Box Ways on Base

X, Y, Z-axis are designed with box ways for resisting heavy load and exceptional stability during heavy cutting.



Specifications

項目 / 機型	MODEL	單位 UNIT	TMV-1165	TMV-1365
X軸行程	X-axis travel	mm	1120	1320
Y軸行程	Y-axis travel	mm	650	650
Z軸行程	Z-axis travel	mm	610	610
主軸轉速	Spindle speed	rpm	6000	6000
主軸傳動方式	Spindle transmission		2段齒輪式 2-Step gear drive	2段齒輪式 2-Step gear drive
主軸錐度	Spindle nose taper		BT50	BT50
刀庫容量	Tool storage capacity	pcs	24	24

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- As the machine manufacturer conducts constant research and improvement, above specifications are subject to change without prior notice.



齒輪式主軸頭

- 可作高低速變速，適合重切削及細加工。

Gear-drive Head

- It provides high low speed change, making the machine suitable for heavy and fine cutting.



BT50, 6000RPM 齒輪式主軸(標準)

BT50, 6000RPM Gear-drive Spindle (standard)

Tailift®



TLV *series*

TLV-962 / TLV-1162

三軸線軌

快速進給 24 M/min.

高效率是創造利潤的關鍵因素之一。台勵福TLV系列加工中心機配備高速主軸，及三軸之高速進給，滿足使用者對高效率加工之需求。

Three Axes Linear Ways

Rapid Traverse 24 M/min.

Efficiency is one of key factors of creating profits. To satisfy users' requirement of machining efficiency, Tailift TLV series machining center is designed with high speed spindle and high rapid traverse rates on three axes.

精心打造的機體結構

Attentively Built Machine Structure

高速切削極穩定

- 箱形結構及穩重的立柱，大幅提升機器之剛性及穩定性。
- 三軸全線軸，快速進給可達 24M/min。

Max. Stability in High Speed Cutting

- The box type structure combined with massive column dramatically contribute to machine rigidity and stability.
- Linear ways on all three axes allows rapid traverse to reach 24M/min.

Specifications

項目 / 機型	MODEL	單位 UNIT	TLV-962	TLV-1162
X軸行程	X-axis travel	mm	920	1120
Y軸行程	Y-axis travel	mm	620	620
Z軸行程	Z-axis travel	mm	610	610
主軸轉速	Spindle speed	rpm	8000 / 12000	8000 / 12000
主軸傳動方式	Spindle transmission		皮帶 / 直結 Belt / Direct drive	皮帶 / 直結 Belt / Direct drive
主軸錐度	Spindle nose taper		BT40	BT40
快速進給-X/Y/Z軸	Rapid traverse (X, Y, Z-axis)	M/min	24 / 24 / 24	24 / 24 / 24
刀庫容量	Tool storage capacity	pcs	24 (刀臂式) / 16 (斗笠式) 24 (arm) / 16 (carousel)	24 (刀臂式) / 16 (斗笠式) 24 (arm) / 16 (carousel)

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8000RPM皮帶式主軸

具有低溫升，低噪音特色。
適合高速切削。

8000RPM Belt-drive Spindle

With features of low temperature growth and low noise, the spindle is ideal for high speed and heavy cutting applications.



24刀圓盤式刀庫

換刀快速，動作順暢。

24 Tools Disk Type Magazine

The tool magazine provides fast tool change and smooth motions.

Tailift®



Tailift[®]

VMC-168 *series*

VMC-188 *series*

立式綜合加工中心機 VERTICAL MACHINING CENTER

台勵福VMC-168 / VMC-188系列提供廣泛的機種選擇。多種軌道型式設計，配合各種主軸之選擇，可徹底因應各種加工需求。

Tailift VMC-168 and VMC-188 series provides a wide range of models to select. Various slideways design couplet with various types of spindles allow users to select machines that best suit to their specific machining applications.



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VMC-168G VMC-188G

三軸硬軌

齒輪式主軸

Three Axes Box Ways

Gear-drive Spindle



VMC-168B VMC-188B

三軸硬軌

齒輪式主軸

Three Axes Box Ways

Beltr-drive Spindle



Specifications

項目 / 機型	MODEL	VMC-168G	VMC-188G	VMC-168B	VMC-188B
X, Y, Z 軸行程	X, Y, Z-axis travel	1600 x 850 x 700 mm	1800 x 850 x 700 mm	1600 x 850 x 700 mm	1800 x 850 x 700 mm
工作台尺寸	Table sizes	1800 x 820 mm	1900 x 850 mm	1800 x 820 mm	1900 x 850 mm
主軸傳動	Spindle transmission	齒輪式 Gear drive		皮帶式 Belt drive	
主軸轉速	Spindle speed	6000 rpm (BT50)		6000 rpm (BT50)	

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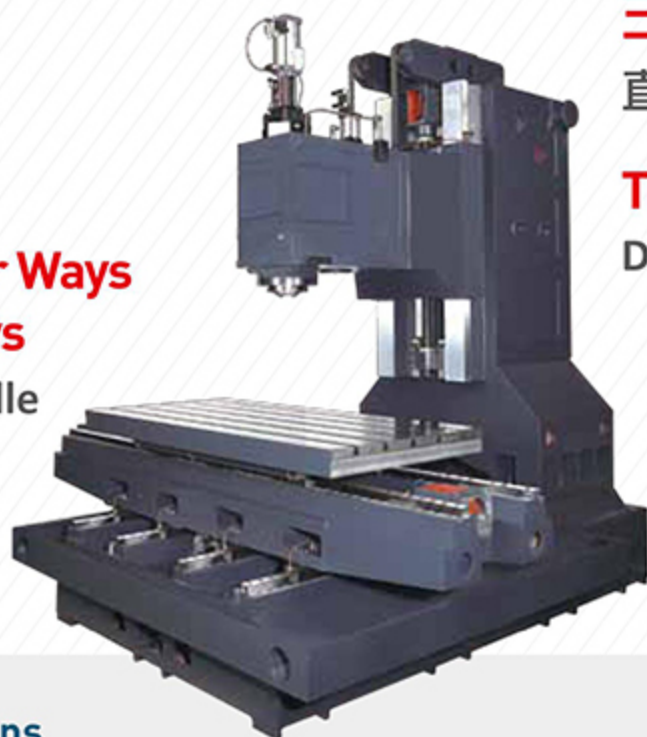
VMC-168GL VMC-188GL

X, Y 軸線軌
Z 軸硬軌

齒輪式主軸

X, Y-axis Linear Ways
Z-axis Box Ways

Gear-drive Spindle



VMC-168DH VMC-188DH

三軸線軌

直結式主軸

Three Axes Linear Ways

Direct-drive Spindle



Specifications

項目 / 機型	MODEL	VMC-168GL	VMC-188GL	VMC-168DH	VMC-188DH
X, Y, Z 軸行程	X, Y, Z-axis travel	1600 x 850 x 700 mm	1800 x 850 x 700 mm	1600 x 850 x 700 mm	1800 x 850 x 700 mm
工作台尺寸	Table sizes	1800 x 850 mm	1900 x 850 mm	1800 x 850 mm	1900 x 850 mm
主軸傳動	Spindle transmission	齒輪式 Gear drive		直結式 Direct drive	
主軸轉速	Spindle speed	6000 rpm (BBT50)		10000 / 15000 rpm (BBT50 / BBT40)	

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TH series

TH-630 / 680 / 800

臥式綜合加工中心機

效率與精度的融匯

無論是機體結構之穩定性或是高速加工特性，台勵福TH系列都將呈極致的性能表現。

HORIZONTAL MACHINING CENTER A Perfect Combination of Efficiency and Accuracy

No matter what structural rigidity or high speed machining, Tailift TH series will fully demonstrate the ultimate performance.

機器特色

- 動柱式結構。
- 三軸全滾柱型線軌。
- 迴轉式/旋轉式自動工作台交換。
- 三軸快移速度24米/分(標準)。
30米/分(選配)。
- 工作台分度1°(標準)。
0.001°(選配)。

Machine Features

- Traveling column.
- Roller type linear ways on three axes.
- Rotary type / swing type auto. pallet change.
- Three axes rapid traverse:
24 M/min. (standard). 30 M/min. (optional).
- Table indexing 1° (standard). 0.001° (optional).



最佳化結構設計

Optimal Structure Design

穩定！順暢！

Stable！Smooth！

三軸線軌

X, Y, Z軸配置超寬(SR65)滾柱型線軌。

X, Z軸一體成型

有效提升機器剛性且抗震能力強。

X軸線軌階梯式配置

線軌段差100mm，有效改善主軸頭之穩定性。

Three Axes Linear Ways

X, Y, Z-axis are all mounted with extra wide (SR65) roller type linear ways.

One-piece Fabricated X, Z-axis

The structure effectively upgrades the machine rigidity and dampening capacity.

Step Type Deployment for X-axis Linear Ways

With 100mm of step difference between linear ways, improved stability of the spindle head can be obtained.



迴轉式自動交換工作台

Rotary Type Auto. Pallet Changer

Specifications

項目 / 機型	MODEL	單位 UNIT	TH-630	TH-680	TH-800
X軸行程	X-axis travel	mm	1050	1050	1350
Y軸行程	Y-axis travel	mm	850	800	1050
Z軸行程	Z-axis travel	mm	1000	950	1200
主軸轉速	Spindle speed	rpm	6000 (選配 Opt. 4500)		
主軸端孔斜度	Spindle nose taper	mm	7/24 Taper, No.50		
三軸快移(X, Y, Z)	Rapid traverse (X, Y, Z-axis)	M/min	24 (選配 Opt. 30)	24	24
工作台數量	No. of tables	piece	2	1	2
工作台交換方式	Table change method		迴轉式 Rotary type	-	迴轉式 Rotary type



標準主軸

皮帶式6,000 rpm

Standard Spindle

Belt drive 6,000 rpm

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Tailift®



Trustworthy Tailift Equipment

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