



CHAIN
HEADWAY

影像量測儀 - PRIME系列 PRESETTER OF PRIME SERIES



Organization with Quality Management
System certified UNI EN ISO 9001:2015




m.conti
SINCE 1973





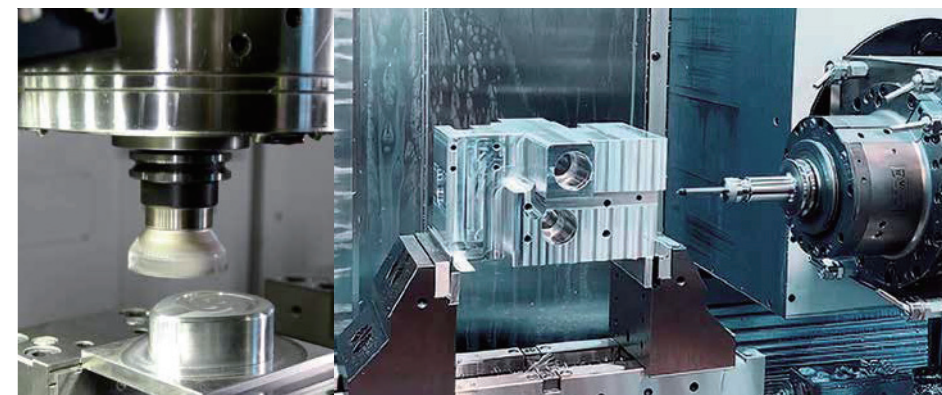
以創新作為標準 INNOVATION AS A STANDARD



M康迪 內部 3D 工程設計 3D ENGINEERING WITHIN M.CONTI



M康迪 內部 CNC 加工 CNC MACHINING INSIDE M.CONTI



M康迪 內部品質控管 QUALITY CONTROL WITHIN M.CONTI



M康迪 自 1973 年起，專注於高品質量測儀器的製造。
M康迪 是一家以創新為核心的專業量測儀器製造商。
為全面掌控生產流程並確保穩定一致的高品質標準，M康迪將研發、設計、生產製造、組裝與測試皆納入內部把關。
我們結合深厚的技術專業、創新與熱忱，對每一個製程環節嚴格控管。
品質，正是這一切努力的成果。

SINCE 1973, M.CONTI HAS BEEN MANUFACTURING HIGH-QUALITY MEASURING INSTRUMENTS.

M.Conti is an innovative company that, since 1973, has been manufacturing high-quality measuring instruments. To ensure maximum control over the production process and guarantee a high-quality standard, M.Conti handles everything in-house: from research and design to manufacturing, assembly, and final testing. We combine technical expertise with creativity and passion. Quality is the result.

研發與設計 R&D-DESIGN

「細節成就完美，而完美從非細節而來」
— Leonardo Da Vinci

“Details make perfection, and perfection is not a detail”
Leonardo Da Vinci



M康迪的研發核心以最終使用者為中心。
使用者體驗並非憑空設計而成，
而是透過精心規劃的操作邏輯，
讓使用者能直覺地與儀器互動。
對新材料的持續研究，以及新技術與製造工藝的探索，
不斷開啟創新設計方案的大門。
簡潔而富有吸引力的外型、選用高品質材料，
搭配符合人體工學的設計，
為終端使用者帶來既高效又愉悅的體驗。



The end user is the main focus of M.CONTI research and development. User experience cannot be designed, however, it is possible to design the way in which the user will be able to interact with the instrument. Constant research and study of new materials along with new production technologies open the doors to new solutions and innovation in design. Simple yet captivating shapes, selected quality materials, innovative and ergonomic choices bring and efficient and pleasant use to the end user.



第二代 PRIME 系列 Second Generation Prime Range

- 全新一體式工業電腦
New All In One industrial PC
- 全新整合式 Full HD 觸控螢幕
New integrated Full HD touch screen monitor
- 全新可更換式錐柄套筒
New interchangeable tool sleeves
- 全新 CVS 2.0 視覺軟體
New CVS 2.0 software
- 全新 TALK 2.0 資料傳輸系統
New TALK 2.0 data transfer
- 全新支撐工作台
New support bench
- 全新 MULTI TOOL 多刀具功能
New MULTI TOOL function





PRIME 34

功能完備、堅固耐用且操作簡便。

這款影像校刀儀具備了進入專業對刀領域所需的一切配置，

性能絕不妥協。

讓刀具幾何形狀的檢測與驗證變得既簡單又直觀。

Fully equipped, sturdy and easy to use.

The world of camera presetting is within reach with this user friendly presetter.

Checking tool geometry is easy and intuitive.



選配 C974 校刀儀專用工作台
OPTIONAL C974 presetter support bench

PRIME PLUS 34

PLUS 機型配備了「INTERLOCK SYSTEM」

機械式刀具鎖定系統。

此鎖定機構能確保極高的精度與重複定位精度，

對於長型刀具的檢測尤為出色。

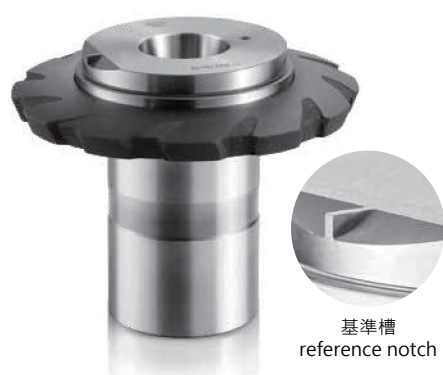
同時相容於 ISO 與 HSK 刀把規格。

PRIME PLUS is equipped with the mechanical tool locking mechanism INTERLOCK SYSTEM.

The locking mechanism guarantees precision and repeatability especially on longer tools.

Compatible with ISO and HSK cones.

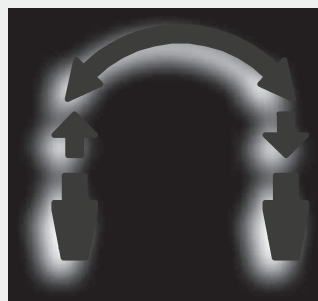
可換式刀把套筒
Interchangeable tool sleeve



19吋FullHD
觸控螢幕
Touchscreen
FULLHD19"



機械式刀具鎖定系統 - Interlock System
(僅限 PRIME PLUS 機型)



Mechanical tool locking mechanism
Interlock System (only for PRIME PLUS)



PRIME PLUS 46

PRIME PLUS 46 專為滿足長達 600 mm 的刀具測量需求而生。

全新設計的機械結構具備更強的承載能力與加大的行程規格。

搭載雙列 THK 線性導軌，

確保在任何作業條件下都能維持流暢且精確的移動。

作為 PLUS 型號的標配，

INTERLOCK SYSTEM 機械鎖定機構為長達 600 mm 的刀具測量

提供了極致的精度與重複定位精度。

此外，配備全新的「自動軸解鎖快速移動系統」，

進一步提升了操作效率與便利性。

PRIME PLUS 46 born from the need to measure tools with a maximum length of up to 600 mm, the new mechanical structure has been designed to handle greater loads and extended linear movements. The double THK linear guides ensure smooth and precise movement under all operating conditions.

The INTERLOCK SYSTEM mechanism, standard on the PLUS models, guarantees maximum accuracy and repeatability when measuring tools up to 600 mm in length. The new rapid movement system with automatic axis release further enhances efficiency and ease of use.



選配 C987 校刀儀專用工作台
OPTIONAL C987 presetter support bench

全新相機支撐臂，
採用高強度鋁合金單一鑄件加工而成。

這項創新設計不僅為影像系統
提供了極佳的剛性與穩定性，
更兼具完美的人體工學操作體驗。

New camera support arm, machined from a single high-strength aluminum alloy casting. This innovative design ensures outstanding rigidity of the vision system while providing excellent ergonomics.





恆定幾何技術 CONSTANT GEOMETRY TECHNOLOGY

源自 M 康迪 多年經驗，發展出「恆定幾何技術 (Constant Geometry Technology, C.G.T.)」。材料的選擇是此技術理念的核心關鍵。M 康迪將產品開發建立在嚴選材料之上，透過採用均質材料並確保其具備相同的熱膨脹係數，使量測系統在各種使用條件下皆能維持穩定且一致的幾何精度。From the experience of M.CONTI comes the CONSTANT GEOMETRY TECHNOLOGY (C.G.T.). Materials are at the heart of the CONSTANT GEOMETRY philosophy. The choice of materials is the base around which product development is carried out. M.CONTI can guarantee CONSTANT GEOMETRY in all conditions through the use of HOMOGENEOUS materials with an IDENTICAL THERMAL EXPANSION INDEX.

堅固且具熱穩定性的鋼製結構，經研磨處理後平面度達 2 微米以內。採用 P 級高精度鋼製線性滑軌，搭配預壓式循環滾珠滑塊，確保運動精度與穩定性。STURDY, THERMALLY STABILIZED STEEL structure. Ground to within 2 microns planarity. Class P high precision steel linear guides with preloaded recirculating ball bearing slides.



人體工學 ERGONOMICS

M 康迪 擁有超過 30 年的校刀儀製造經驗，這讓我們深刻理解到操作便利性與人體工學的重要性。在 M 康迪 的校刀儀設計中，整體操作配置經過周密規劃，使所有功能皆在使用者可及範圍內，操作直覺、順手且易於掌控。M.CONTI has been producing presetters for over 30 years. This experience highlighted the importance of EASE OF USE and ERGONOMICS. In M.CONTI these important factors are held in great importance when designing presetters. Everything is within reach and easy to handle.



1. 支撐立柱精確平衡設計
確保移動順暢、操作輕鬆省力。
手柄設計符合人體工學，操作輕巧舒適。
Perfect balance of the support column allows smooth, effortless movement. The handle is comfortable and easy to grip.

2. 大型微調手輪
精準且操作簡便，使用順手，易於微調。
The big, easy to move micrometric wheels are precise and easy to use.

3. 19 吋寬屏 LCD 螢幕
視角經優化設計，適用於長時間操作，提供舒適且低疲勞的觀看體驗。
Monitor positioned vertically. Viewing angle the ideal, eye resting, position in case of intensive use.

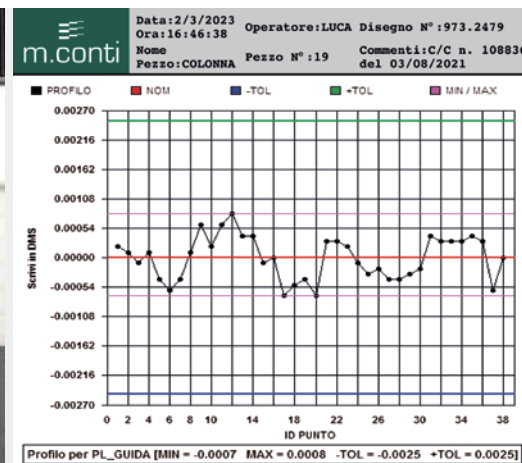
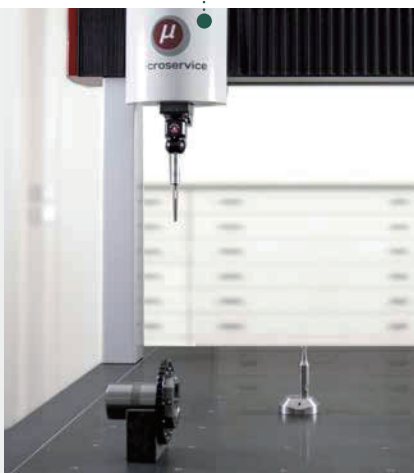
4. 無線滑鼠與 USB 介面
滑鼠置於專用托盤，USB 介面易於存取，可進行資料備份與匯出資料。
Wireless mouse positioned on a support tray. USB hub easily accessible for back up and for exporting presetter data.

5. 可互換適配器
製作精密且可輕鬆互換使用。
M.CONTI Interchangeable tool sleeves are produced with great care within the company. They are all very easily interchangeable.

品質管控 QUALITY CONTROL

品質絕不妥協，所有產品皆在量測實驗室中，透過最先進的量測技術進行嚴格檢測與管控。Quality knows no compromise. Our entire production is controlled with the most recent technology in our metrology room.

三次元量測
3D five axis measuring machine



雷射干涉儀
Laser interferometer



ISO 與 HSK 錐柄
皆使用專用量測設備進行檢測，可確保角度精度達到 1/10 秒的等級。

ISO and HSK cones are verified with specific instruments that guarantee precision of a tenth of a second of a degree.





CVS 2.0



多語系軟體
MULTILANGUAGE SOFTWARE

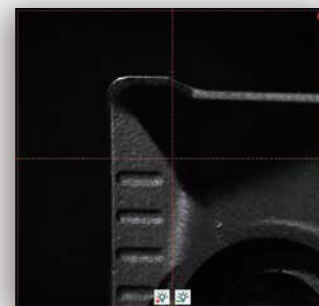
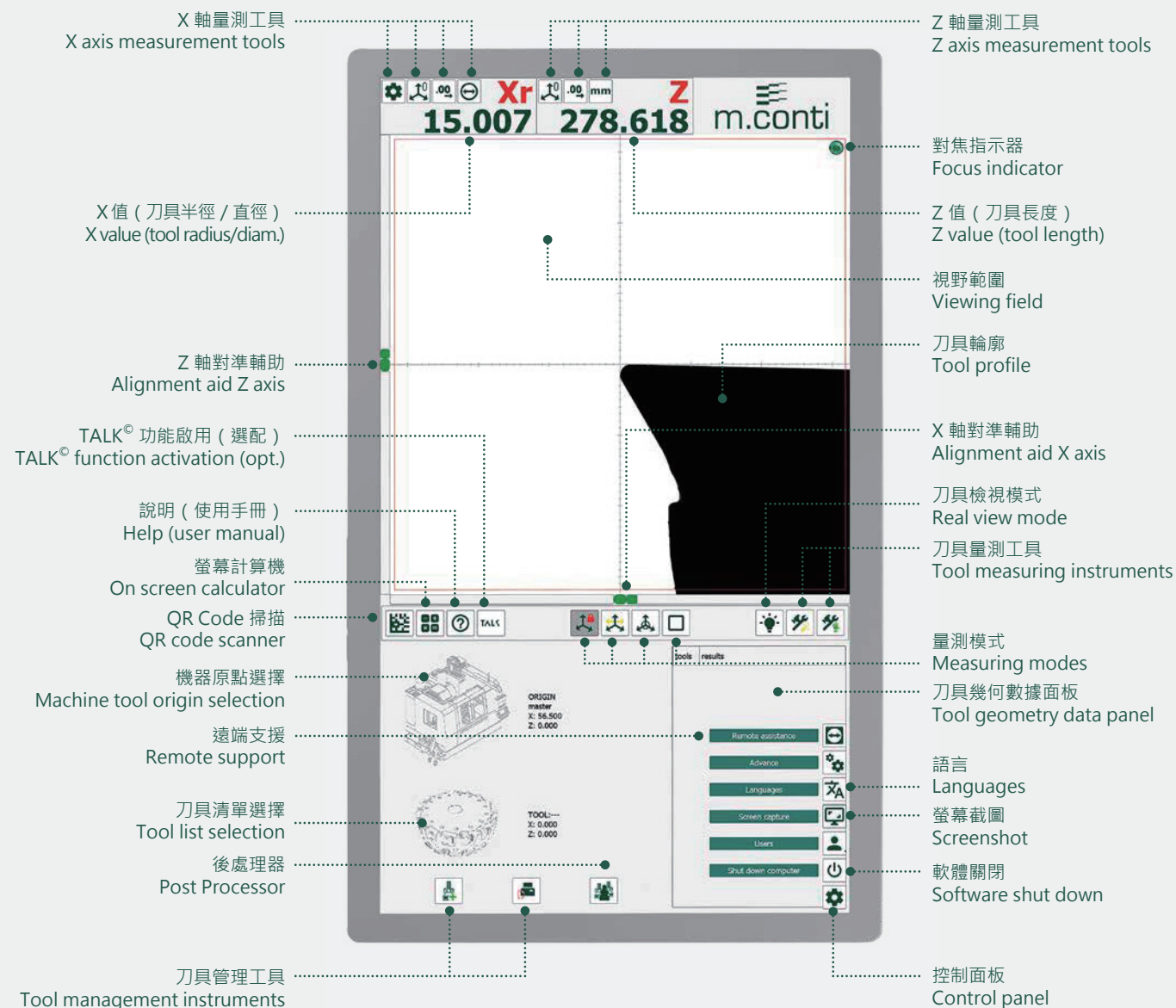
簡潔的操作邏輯、多語系支援與直覺化介面，使 CONTI VISION SYSTEM 軟體任何人都能輕鬆上手。所有主要功能皆整合於單一畫面中，建立機器原點與刀具資料儲存的流程不僅簡單，且速度極快。

刀具量測介面除可進行 X 與 Z 軸的尺寸量測外，

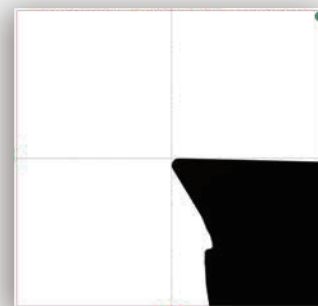
亦具備如同 CAD 系統般的功能，能夠擷取並分析刀具輪廓的幾何量測數據。

Simplicity, multilingual support, and an intuitive design make the CONTI VISION SYSTEM software accessible to everyone. All main functions are consolidated into a single screen. Creating machine zero points and storing tool data is not only simple but also extremely fast. The tool measurement interface, in addition to dimensional measurements along the X and Z axes, also functions as a true CAD system, enabling the acquisition of geometric measurements of the tool profile.

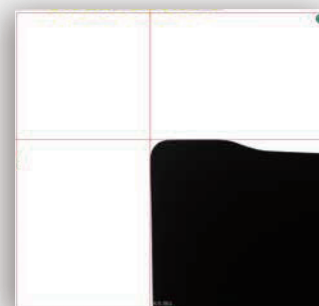
所有資料一覽呈現



刀具檢視模式 (實景檢測)
REAL VIEW TOOL
INSPECTION MODE



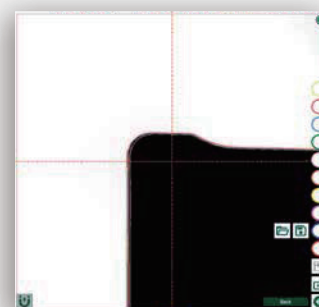
固定軸量測模式
FIXED AXIS MEASURING MODE



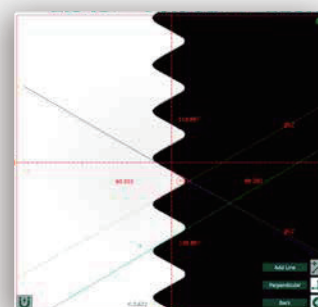
可動軸量測模式
MOBILE AXIS MEASURING MODE



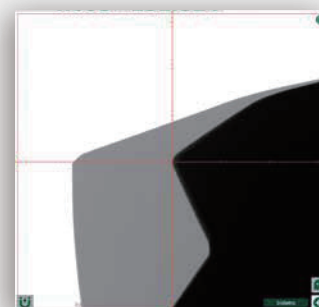
多刀具量測功能
MULTITOOL MEASURING FUNCTION



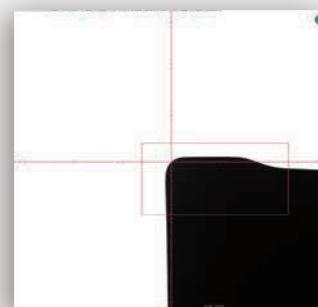
刀片輪廓顯示
INSERT PROFILE VISUALIZATION



螺紋節距量測
MEASURING PITCH THREADS



GHOST 模式：
旋轉刀具輪廓顯示與量測
GHOST.
PROFILE VISUALIZATION
AND MEASUREMENT
OF ROTATING TOOL



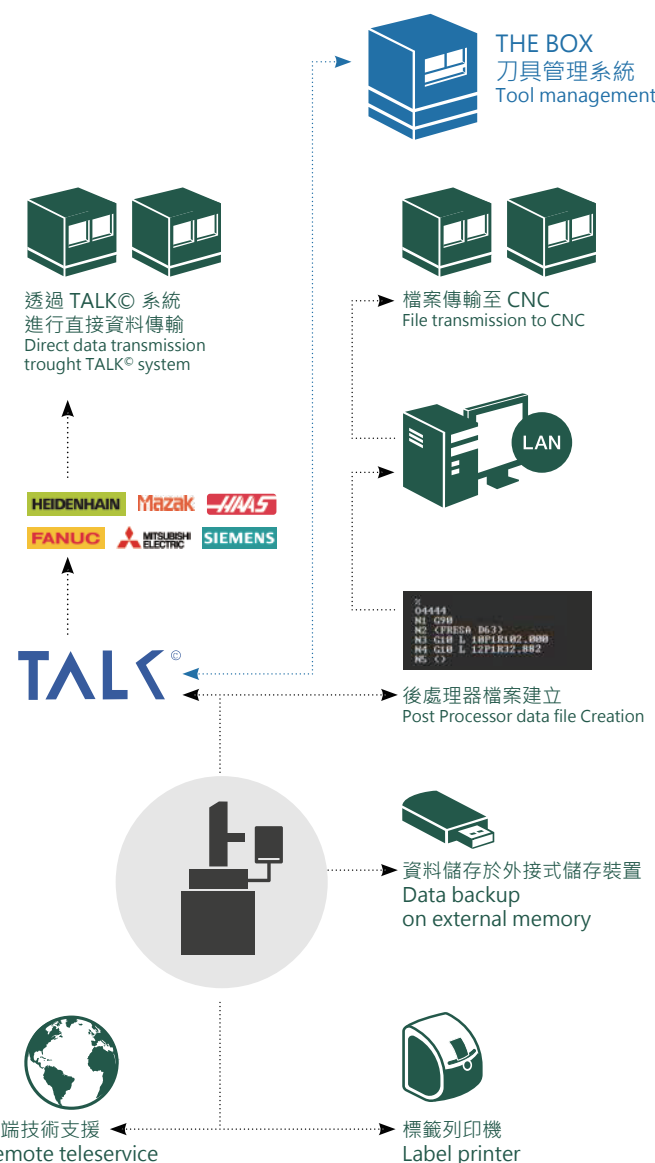
R.O.I. 區域量測模式 (感興趣區域)
R.O.I. REGION OF INTEREST
MEASURING MODE

連線能力 CONNECTIVITY

WE TALK® TO YOUR
CNC EASILY

整合式 TALK® 2.0 為先進的資料寫入系統，可將刀具長度、半徑 / 直徑等資料直接寫入 CNC 的刀具資料表中，並相容於全球主流數值控制系統。透過具備 QR Code 讀取功能的無線技術，實現快速且安全的資料讀取與傳輸，大幅降低人為輸入錯誤。一套 TALK® 系統即可設定並連接多台工具機，即使搭載不同的數值控制系統亦可相容使用。

Integrated TALK® 2.0 high tech system that can write tool data, length and radius/diameter, directly to the Numerical Control tool list. Compatible with most Numerical Controls Safe and secure data scanning and transmission through wireless technology with QR code reader thus virtually eliminating human error. A single TALK® system can connect to different machines with different Numerical Controls.

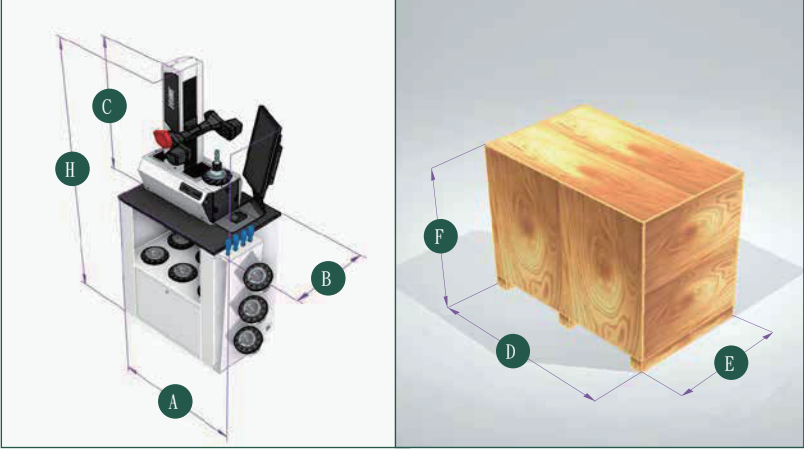




技術資料

TECHNICAL DATA

● = 標準配備 / standard — = 不提供 / not available



機型 / MODEL	PRIME 34	PRIME PLUS 34	PRIME PLUS 46
最大直徑 (X 軸) / Max Ø (X)	320	320	400
最大長度 (Z 軸) / Length (Z)	400	400	600
外形尺寸 A × B × C (mm) / Dim. A X B X C mm	900x600x880	900x600x800	1080x626x1150
校正儀含工作台高度 H (mm) / Presetter height + cart H mm	1800	1800	1870
淨重 (kg) / Net weight Kg	98	107	148
包裝尺寸 D × E × F (cm) / Crate Dim. D X E X F cm	102x72x110	102x72x110	117x89x140
含包裝總重 (kg) / Gross weight with crate Kg	137	144	210

機型 / MODEL	PRIME 34	PRIME PLUS 34	PRIME PLUS 46
空壓源 / Air	—	最大壓力 8 bar Max 8 bar	最大壓力 8 bar Max 8 bar
電源規格 : 230V (選配 110V) / Power 230V - on request 110V	•	•	•
軸向鎖定 / Axis locking	手動 Manual	氣動式 Pneumatic	氣動式 Pneumatic
歸零系統 / Zero setting	適配器參考定位刻痕 Reference notch on the tool sleeve		
適配器制動系統 / Tool sleeve rotation brake	•	•	•
光學尺 / Optical scales	解析度 0.001 mm 0,001 mm Precision		
LED 冷光環形照明系統 / Cold light LED ring illuminator	•	•	•
光學鏡頭 / Optics	遠心鏡頭 Telecentric		
光學放大倍率 / Optical magnification	約 40 倍 Approx 40x		
刀具可視範圍 / Viewing area	5 X 5 mm	5 X 5 mm	5 X 5 mm
顯示器 / Monitor	19 吋 Full HD 寬螢幕觸控顯示器 19" FULL HD Wide Screen Touch		
網路介面 (LAN) / LAN	•	•	•
USB 連接埠 / USB hub	4	4	4
軟體系統 / Software	CVS (Conti 視覺量測系統) 2.0 CVS (Conti Vision System) 2.0		
機床原點設定 / Machine origins	200	200	200
刀具資料儲存 / Tool data saving	200 組 (總計 40,000 筆) 200 (tot. 40.000)	200 組 (總計 40,000 筆) 200 (tot. 40.000)	200 組 (總計 40,000 筆) 200 (tot. 40.000)
切削刃檢查 / tool inspection	•	•	•
安裝套件 / Installation kit	•	•	•



選配

OPTIONAL

STD. = 標配 / standard

OPT. = 選配 / optional

機型 / MODEL	PRIME 34	PRIME PLUS 34	PRIME PLUS 46
1 標籤印表機 / Label printer	標配 / STD.		
2 刀具推車 / carrello porta utensili	選配 / OPT.		
3 C973 Plus 工作台 (尺寸 810 × 560 × 高 900 mm) / C973 Plus presetter support table	選配 / OPT.		
4 C974 工作台 (尺寸 810 × 560 × 高 900 mm) / C974 presetter support table	選配 / OPT.		



對 M 康迪 來說，設計功能不僅在於產品本身，更需考量客戶在實際使用上的需求。因此，我們的校正儀皆配備方便的運輸把手，使每一次移動都輕鬆且安全。

For M.CONTI a project must also consider the customer's need for safety and easy of use. This is why M.CONTI presetter are equipped with removable transport handles which make any necessary movement easy and safe.





E-LEVA.IT

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