

CNC 複合式自動外圓&刀具段差研磨機

CNC 多功能沖棒研磨機

碳化鎢刀具、精密陶瓷、高速鋼等高硬度材料 全自動精密複合外圓製程研磨加工

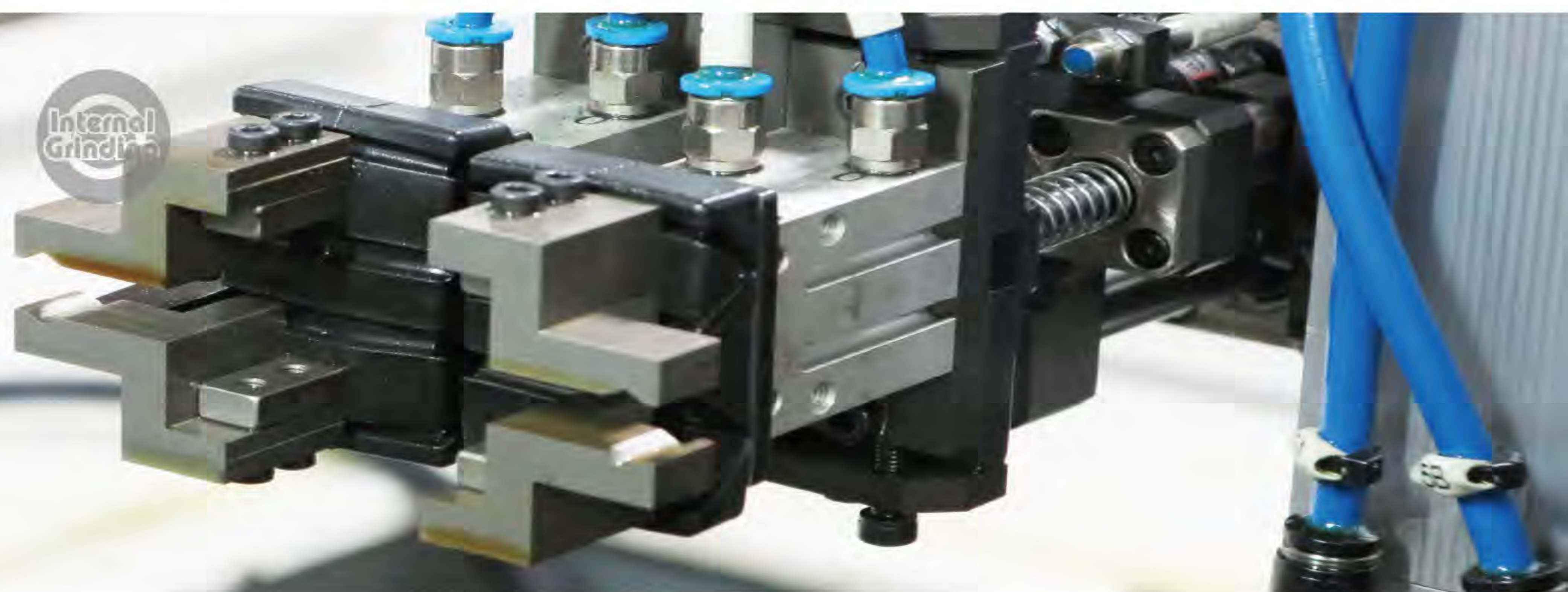
- 全自動化進出料系統
- 最多一次可使用三個砂輪加工
- 精密 V Block 或滾輪定心機構確保同心度
- 可以執行有效長度加工
- 內建程式，G-M Code 以及各種 Cam 軟體皆可使用
- 精密砂輪主軸與高剛性工件主軸
- 可以執行段差與輪廓研磨加工

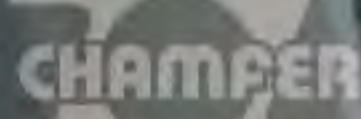
基本規格 Basic Specification

| 型號 Model | 機器尺寸 Machine size (LxWxH/mm) | 機器重量 Machine weight (kg) | 電力需求 Power request | 控制系統 Control system | |
|---|---------------------------------|-----------------------------|-----------------------|------------------------|------------------------|
| CNC 複合式自動外圓&刀具段差研磨機 CNC Multi-Purpose Profile Grinder | CH-CM0301 | 2160 x 1640 x 1850 | 1700 | 3Ø 60HZ. 4.4 KW | UTC-600V (MicroTrend) |
| | CH-CM0302 | 2160 x 1840 x 1850 | 1800 | 3Ø 60HZ. 8.8 KW | UTC-600V (MicroTrend) |
| | CH-CM0301-MA | 1510 x 1620 x 1850 | 1200 | 3Ø 60HZ. 4.4 KW | UTC-400V+ (MicroTrend) |
| | CH-CM0302-MAB | 1510 x 1750 x 1850 | 1300 | 3Ø 60HZ. 8.8 KW | UTC-400V+ (MicroTrend) |
| CNC 多功能沖棒研磨機 CNC Multi-Purpose Punch Grinder | CH-CM0303 | 2280 x 1800 x 1850 | 1800 | 3Ø 60HZ. 6.3 KW | Syntec |
| | CH-CM0303-MA | 1510 x 1800 x 1850 | 1300 | 3Ø 60HZ. 5.1 KW | Syntec |
| | CH-CM0305 | 2280 x 1800 x 1850 | 1900 | 3Ø 60HZ. 8.5 KW | Syntec |
| | CH-CM0305-MAB | 1510 x 1800 x 1850 | 1400 | 3Ø 60HZ. 7.3 KW | Syntec |

適用規格 Function Specification

| 型號 Model | 研磨外徑 Grinding Diameter (mm) | 夾持柄徑 Shank Diameter (mm) | 自動上料長度 Auto Loading (mm) | 手動上料長度 Manual Loading (mm) | |
|---|--------------------------------|-----------------------------|-----------------------------|-------------------------------|----------|
| CNC 複合式自動外圓&刀具段差研磨機 CNC Multi-Purpose Profile Grinder | CH-CM0301 | Ø 0.1 ~ 12 | Ø 3 ~ 12 | 40 ~ 100 | 40 ~ 200 |
| | CH-CM0302 | Ø 0.1 ~ 25 | Ø 3 ~ 25 | 40 ~ 150 | 40 ~ 200 |
| | CH-CM0301-MA | Ø 0.1 ~ 10 | Ø 3 ~ 10 | 50 ~ 100 | 40 ~ 200 |
| | CH-CM0302-MAB | Ø 0.1 ~ 25 | Ø 3 ~ 25 | 50 ~ 150 | 40 ~ 200 |
| CNC 多功能沖棒研磨機 CNC Multi-Purpose Punch Grinder | CH-CM0303 | Ø 0.1 ~ 12 | Ø 3 ~ 12 | 40 ~ 100 | 40 ~ 200 |
| | CH-CM0303-MA | Ø 0.1 ~ 12 | Ø 3 ~ 12 | -- | 40 ~ 200 |
| | CH-CM0305 | Ø 0.1 ~ 25 | Ø 3 ~ 25 | 40 ~ 150 | 40 ~ 200 |
| | CH-CM0305-MAB | Ø 0.1 ~ 25 | Ø 3 ~ 25 | -- | 40 ~ 200 |





Chia Lern Multi-Purpose Profile Grinder

CNC Multi-Purpose Punch Grinder

Grinding cylindrical blanks for cutting tools, punches, pins, micro drill...etc.

- Fully Automatic loading and unloading system
- 3 grinding wheels can be maximum used in one procedure
- Perfect tool concentricity preserved by accurate V block or Roller
- Program performs for reworking the forming cutter
- The program built in to adapt G-M Code and all cam software
- Precise wheel spindle and high rigidity workpiece spindle
- Program performs plunge or profile grinding

主軸規格 Spindle Spec.

| 型號 Model | 砂輪主軸外徑 GW Spindle OD | 砂輪主軸馬達 Grinding Motor | 砂輪外徑 Grinding Wheel | 工件主軸外徑 WP Spindle OD | 工件主軸馬達 WP Spindle Motor | |
|---|-------------------------|--------------------------|------------------------|-------------------------|----------------------------|------------------------------|
| CNC 複合式自動外圓 & 刀具段差研磨機 Chia Lern Multi-Purpose Profile Grinder | Ø80 mm Max 4200 rpm | CH-CM0301 | 2 HP | Ø 100 ~ 175 | Ø 100 mm Max. 1200rpm | 2 HP 無刷馬達 Brushless motor |
| | | CH-CM0302 | 5 HP | Ø 100 ~ 250 | Ø 120 mm Max. 1200rpm | 900W 伺服馬達 Servo motor |
| | | CH-CM0301-MA | 2 HP | Ø 100 ~ 175 | Ø 100 mm Max. 1200rpm | 2 HP 無刷馬達 Brushless motor |
| | | CH-CM0302-MAB | 5 HP | Ø 100 ~ 250 | Ø 120 mm Max. 1200rpm | 900W 伺服馬達 Servo motor |
| CNC 多功能沖棒研磨機 CNC Multi-Purpose Punch Grinder | | CH-CM0303 | 2 HP | Ø 100 ~ 175 | Ø 100 mm Max. 1200rpm | 1.1 KW 伺服馬達 Servo motor |
| | | CH-CM0303-MA | 2 HP | Ø 100 ~ 175 | Ø 100 mm Max. 1200rpm | 1.1 KW 伺服馬達 Servo motor |
| | | CH-CM0305 | 5 HP | Ø 100 ~ 250 | Ø 120 mm Max. 1200rpm | 1.1 KW 伺服馬達 Servo motor |
| | | CH-CM0305-MAB | 5 HP | Ø 100 ~ 250 | Ø 120 mm Max. 1200rpm | 1.1 KW 伺服馬達 Servo motor |

其他規格 Other Spec.

| 型號 Model | 筒夾 Collet | 軸向行程 Axis Max Stroke | 軸向速度 Axis Max Speed | 軸向解析度 Axis Resolution | 軸向伺服馬達 Servo Motor | 空壓元件 Pneumatic Unit | | | |
|--------------------------|---------------|--------------------------|----------------------------|--------------------------|-----------------------|------------------------|----------------------------|---------------|-------|
| CNC 複合式自動外圓 & 刀具段差研磨機 | CH-CM0301 | X 150 (mm) Y 200 (mm) | 120 (mm/s) | 0.001 (mm/sec.) | YASKAWA | FESTO | | | |
| | CH-CM0302 | | | | | | Schaublin (up) Type W25 | | |
| | CH-CM0301-MA | | | | | | Schaublin (up) Type W20 | | |
| | CH-CM0302-MAB | | | | | | Schaublin (up) Type W25 | | |
| CNC 多功能沖棒研磨機 | CH-CM0303 | | Schaublin (up) Type W20 | | 10 (m/min) | | 0.001 (mm/sec.) | Syntec AM5 | FESTO |
| | CH-CM0303-MA | | Schaublin (up) Type W20 | | | | | | |
| | CH-CM0305 | | Schaublin (up) Type W25 | | | | | | |
| | CH-CM0305-MAB | | Schaublin (up) Type W25 | | | | | | |

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Chia Lern Multi-Purpose Profile Grinder

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Master of Grind



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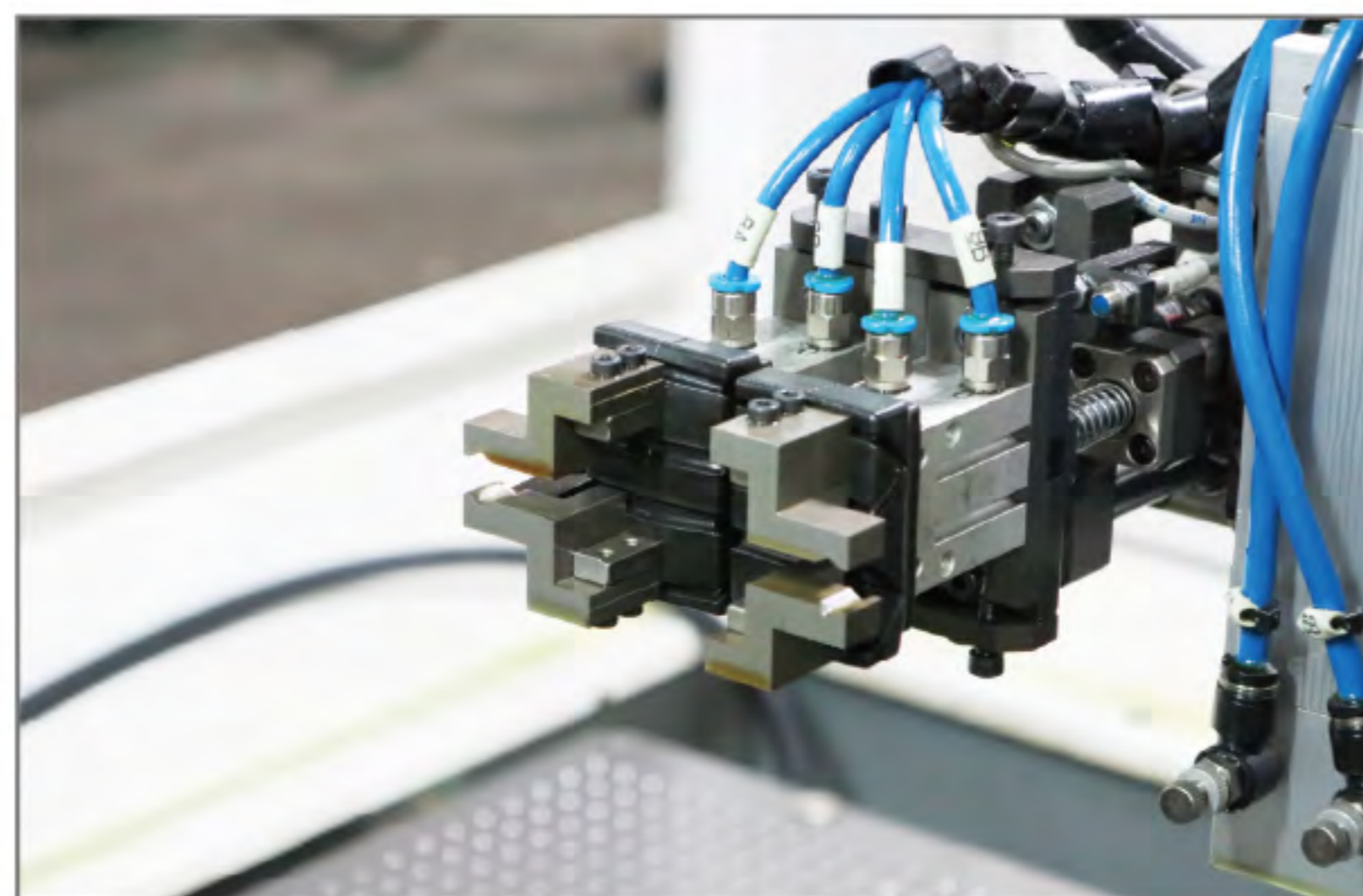
CNC 複合式自動外圓&刀具段差研磨機 Chia Lern Multi-Purpose Profile Grinder CH-CM0301



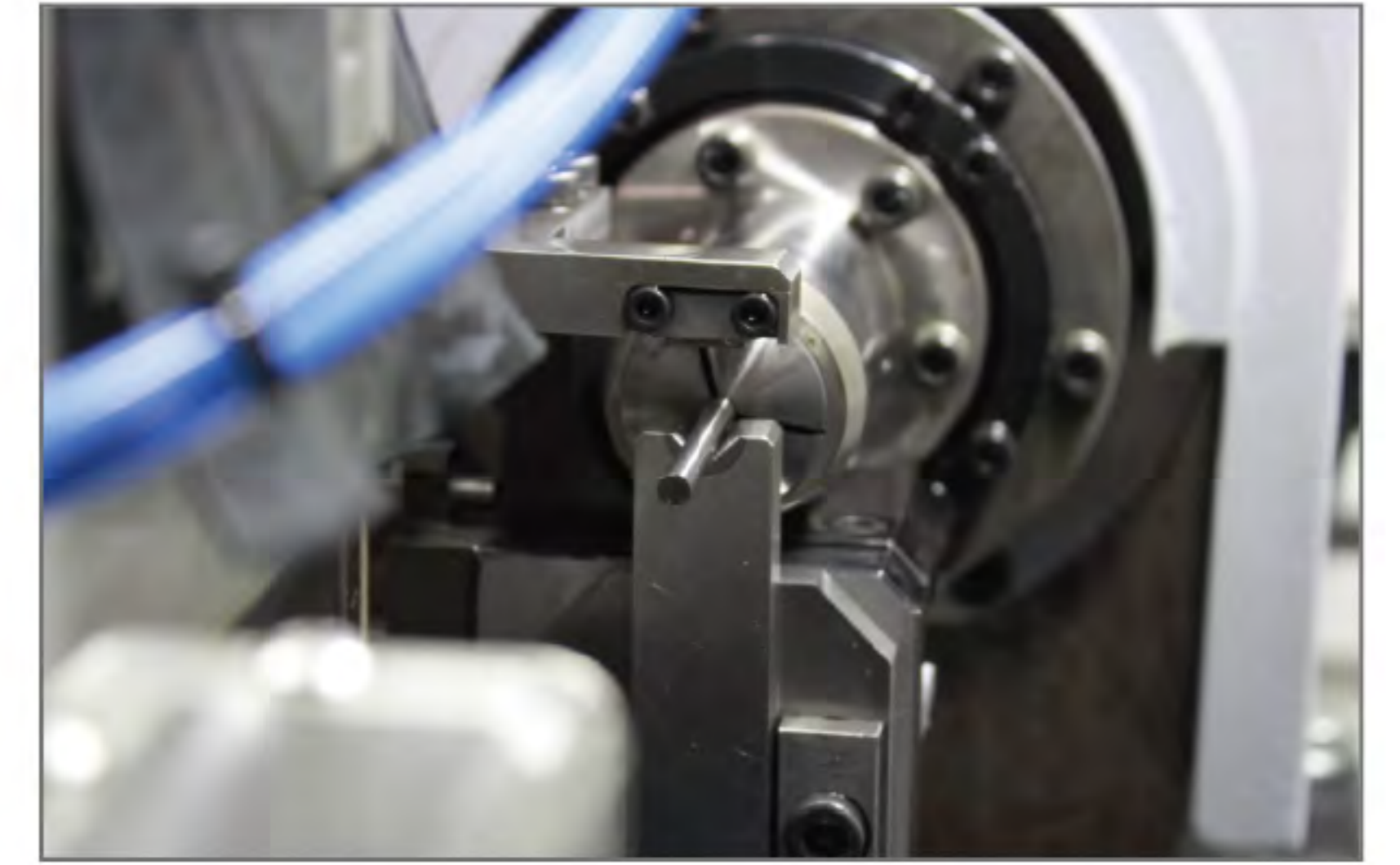
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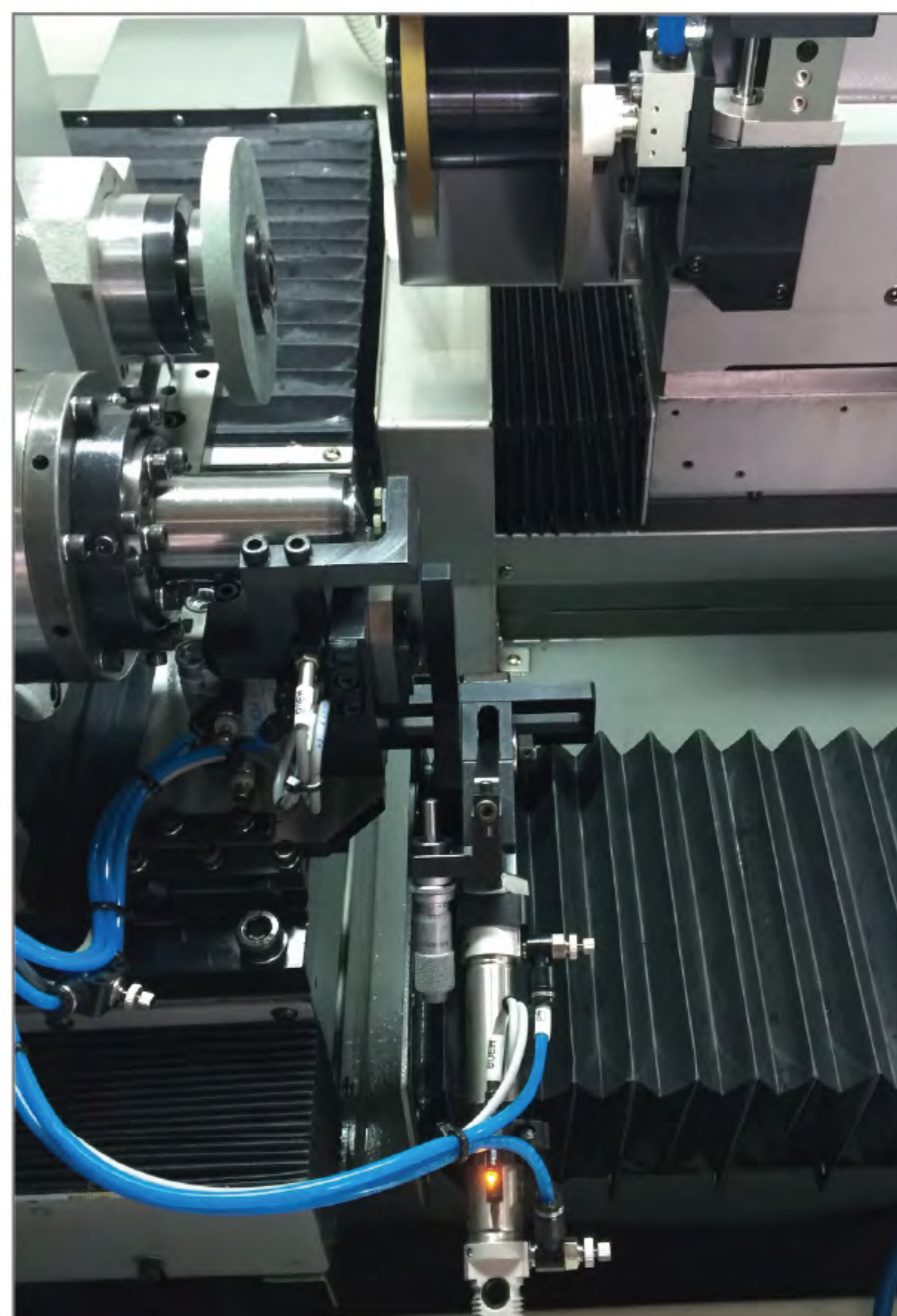
◎ 機械手臂與夾爪 Arm & Gripper



◎ 工作穩定裝置 WP steady structure



◎ 支持缸 Tools support Cylinder



◎ 修砂軸 Dressing axis



◎ 翻轉機構 Reversing structure

