

讓機器人更靈活高效

MAKE ROBOTS MORE FLEXIBLE AND EFFICIENT

# 電動快換

ELECTRIC TOOL CHANGER

為協作機器人打造的  
高效、可靠、智能的自動換裝解決方案

Efficient, Reliable and Intelligent Automatic Tool Changing Solution  
for Collaborative Robots



EQ-AQTR  
機器人側 (Robot Side)



EQ-AQTT  
工具盤 (Tool Side)

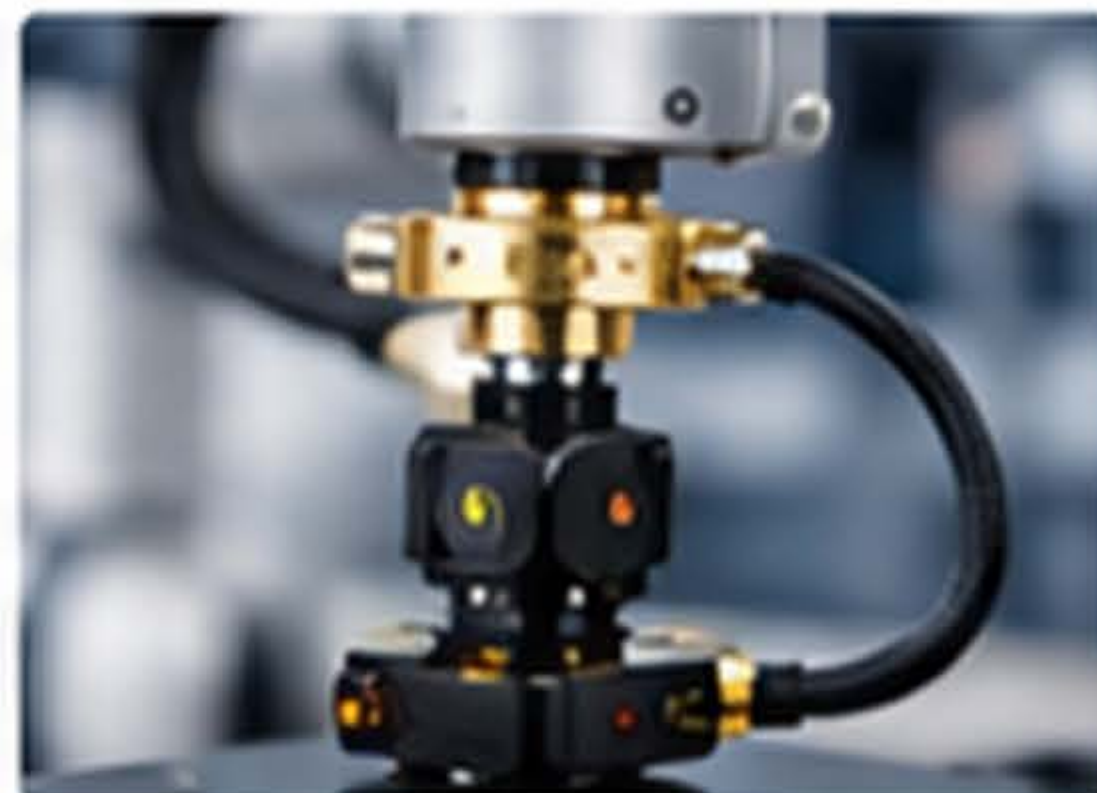
## 應用場景 APPLICATIONS



抓取搬運  
Pick and Place



真空吸取  
Vacuum Handling



檢測應用  
Inspection



裝配作業  
Assembly

專業的機器人末端執行器解決方案供應商  
PROFESSIONAL PROVIDER OF ROBOTICS END OF ARM TOOLING SOLUTIONS



[www.cf-auto.com.tw](http://www.cf-auto.com.tw)

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產品介紹PRODUCT OVERVIEW

EQAQ 系列電動快換是面向協作機器人應用的自動換裝產品。產品採用電機驅動的鎖緊 / 解鎖結構，可在 3 秒內完成工具快換，並集成電源、訊號等接口，幫助機器人在多工序、柔性生產、檢測及裝配等場景中實現高效換裝。

*The EQAQ Series Electric Tool Changer is designed for collaborative robot applications. Its motor-driven locking and unlocking mechanism enables tool changes in 3 seconds. Integrated power and signal interfaces support efficient tool changing in multi-process production, flexible manufacturing, inspection, and assembly applications.*

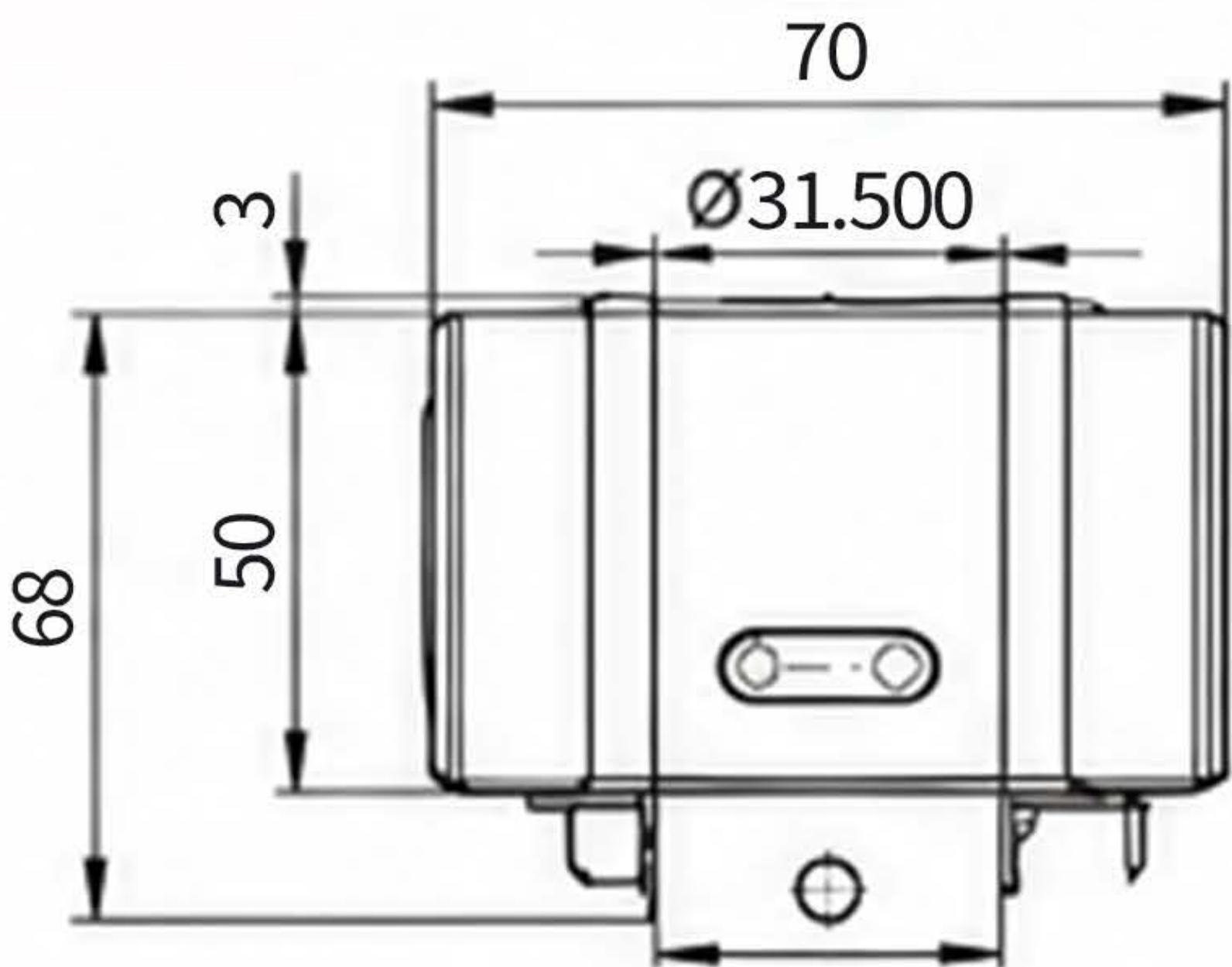
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技術參數TECHNICAL SPECIFICATIONS

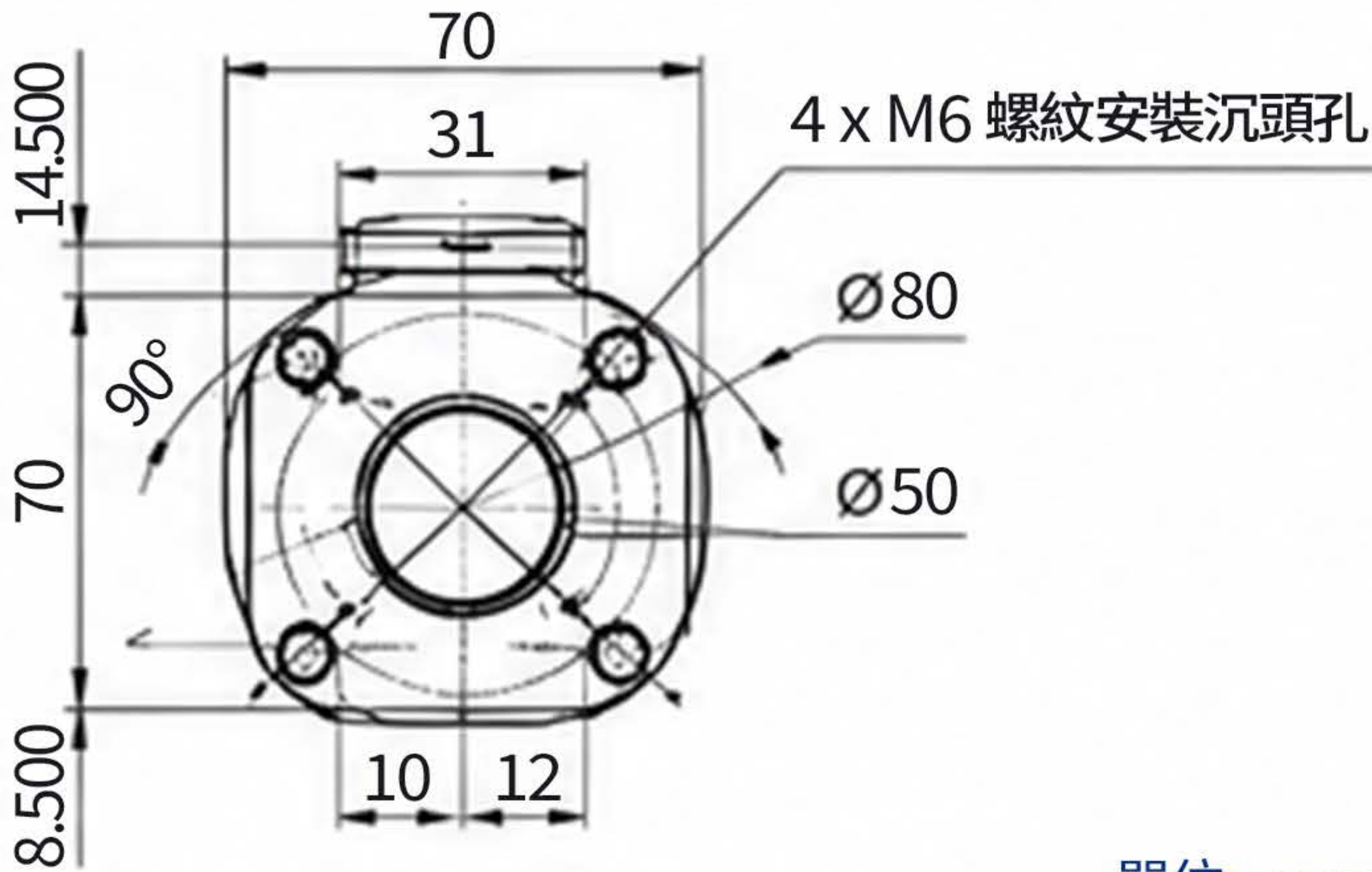
| 項目Item                               | 參數Specifications                                       | 備註Remarks                |
|--------------------------------------|--------------------------------------------------------|--------------------------|
| 機器人側型號Robot side model               | EQ-AQTR-10R                                            | -                        |
| 工具側型號Tool side model                 | EQ-AQTT-10G                                            | -                        |
| 額定負載Rated payload                    | 10 kg                                                  | -                        |
| 重複定位精度Repeat positioning accuracy    | 0.015 mm                                               | -                        |
| 鎖緊 / 解鎖時間Locking and unlocking time  | 3 s                                                    | -                        |
| 驅動方式Drive method                     | 電機驅動Motor driven                                       | -                        |
| 工作電壓Operating voltage                | 24 VDC                                                 | -                        |
| 通訊方式Communication                    | 支持 RS485 和 I/O Supports RS485 and I/O                  | -                        |
| 機器人側安裝尺寸Robot side mounting standard | ISO 9409-50-4-M6                                       | -                        |
| 產品重量Weight                           | 0.63 kg                                                | 兩側On both sides          |
| 外型尺寸Dimensions                       | 機器人側 Robot side:70 X 68 mm<br>工具側 Tool side:80 X 70 mm | 詳情見尺寸圖<br>See dimensions |
| 安全保護功能Safety function                | 斷電不掉Fail-safe locking                                  | -                        |
| 使用壽命Service life                     | 10萬次切換100,000 switching cycles                         | -                        |

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外形尺寸DIMENSIONS



EQ-AQTR-10R 機器人側 Robot Side



EQ-AQTT-10G 工具側 Tool Side

單位: mm  
Unit: mm