HIWIN®

高階工具機的趨勢

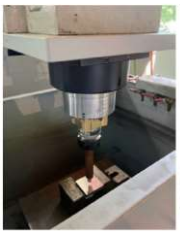
高速放電銑削頭 RCH-100E

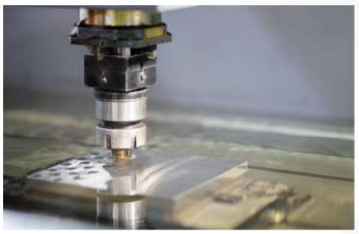
High-Speed EDM Milling Head RCH-100E

TAIWAN EXCELLENCE 2025

加工應用產業案例 - 航太 / 模具加工

Electrical Discharge Machining





展機說明

RCH-100E 系列為單軸放電加工用 C 軸，專為放電模具加工機應用而設計，可高速旋削、高精度分割（採用絕對編碼器），內置 HIWIN 永磁同步電機，一體化、體積小、重量輕，且標配集電碳刷，有助於將工作台與內部結構完全絕緣，並具備連續旋轉的特性，有效提高放電盲孔、通孔或攻牙的效率。

展機特色

- 直驅馬達傳動，高精度、高轉速、零背隙
- 適用 EROWA 或 3R 夾頭
- 專利絕緣設計，安裝不須微調校正
- 額定轉速 200rpm；定位精度 ±15"；重複精度 ±5"
- 可夾持最大電極重量 35kg
- 支援通訊格式 Pulse, V-command, EtherCAT, MECHATROLINK-III, PROFINET

Description

The RCH-100E is specially designed for EDM mold machining applications. It can rotate at high speed and index with high precision (absolute encoder is used). It has a built-in HIWIN permanent magnet synchronous motor, which is integrated, small and light in weight. The current-collecting brushes is equipped on the table to isolated the rotary table's internal structure completely from the electric current and has the characteristic of continuous rotation, which can improve the efficiency of discharging blind holes, through holes or tapping.

Feature

- Direct drive motor; High accuracy, High rotation speed, Zero backlash
- Compatible with EROWA or 3R chuck
- Patented insulation design, fine-tuning and calibration is not required for installation
- Rotation speed is up to 200rpm; Positioning accuracy: ±15" ; Repeatability:±5"
- The maximum electrode weight that can be clamped is 35kg
- Support communication formats: Pulse, V-command, EtherCAT, MECHATROLINK-III, PROFINET