## E1 Servo Motor Features

- **FPD, semiconductor, laser, PCB, machine tool, Inkjet, measuring/inspection, Energy industry and related automation industry.**

### Application

- HIWIN MIKROSYSTEM New Generation Servo Motor

### Model description

- **Rated output**: 200W~2KW, optional brake, IP65 and key
- **Encoder resolution**: 23Bit
- **High Servo control bandwidth allows for precise angular motor positioning**
- **Quick and easy installation interface**
- **Speeds up to 6000rpm based on model**
- **Encoder type**: M:Medium inertia, H:High inertia
- **Drive input voltage**: 2:220Vac
- **Holding break options**: 0:Without holding brake, B:With holding brake
- **Encoder type**: A:Round shaft / without oil seal, B:Round shaft / with oil seal, C:With key and center tap / without oil seal, D:With key and center tap / with oil seal, E:23bit(incremental), F:23bit(absolute)

###注射 Analogize Incremental Accuracy

- **EM1-C–M-40-2-0-F-0-A**
  - **Rated speed/Maximum speed**
  - **Power output**
  - **Motor Shaft**
  - **Position Command**
  - **Before auto-tune**
  - **After auto-tune**
  - **Inertia ratio = 30:1**
  - **Mechanical vibration = 12Hz**
  - **Mechanical resonance = 80Hz**

### Tuneless Function

- **Vertical belt mechanical**: - 3 meter high - Inertia ratio 6.7~26.7:1
- **Cartesian robot arm**: - Inertia ratio 30:1
- **Variety inertia test bench**: - Inertia ratio 125:1

- **Brings good performance and stable movement with inertia ratio up to 250:1.**
- **Adaptive gain tuning in accordance with load changes.**
- **Optimized motor performance with E1 series drives.**

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**www.hiwinmikro.tw**

E1 Series Servo Motor