

# Robot controller **KC30**



**KC30**

## Adopt "new motion control" algorithm

- Speed improved by **30%**
- Effectively inhibit jitter
- Action is more supple
- Control parameters can be freely adjusted as needed
- Adaptation improved
- Reliability increased
- Motion performance optimization

## Structural optimization



**KC20**

108kg

55kg

H:90cm

H:58cm



**KC30**

More smaller

More lighter

More universal

## Hardware upgrade

- Rectifier units replace transformers
- Optimizing power module
- Independent design of board-level CPU unit, transmitter unit, security unit and IO unit, integrating four modules into one module through direct connection between boards
- As the rated current of the servo driver increases, it can drive a motor with higher power and faster speed, and realize faster acceleration and deceleration

## Design upgrade

- The volume of the control cabinet decreased by **35%**, and the weight decreased by **50%**
- Servo driving capability improved by **50%**
- Harness reduced by **40%**
- The number of spare parts decreased by **50%**

## Function upgrade

- **Welding function:** Control improvement of high-speed welding stability
- **Hand ON function:** Handling application customization
- **Arc tracking:** The COMARC function is realized without current detector and other hardware devices

## KC30 Controller cabinet

Model	KC30
Capacity	2.0 kVA
Dimension	555mm×580mm×580mm
Communication interface	EtherCAT,Ethernet
Number of controllable linkage shafts	Up to 32 robots can be expanded, and multi-robot cooperation can be realized
Operation interface	English/Chinese
Input voltage	Three-phase AC 380V(-10%~+10%), 50/60Hz
Weight	About55kg



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