

# Product Parameters

| Description                    |   | Product Parameters                             |  |  |  |
|--------------------------------|---|--|--|--|--|
| Model No                       | IIMT-CR-03  | IIMT-CR-05                                     | IIMT-CR-10                                   | IIMT-CR-16                                     |  |
| Payload (kg)                   | 3   | 5  | 10   | 16   |  |
| Arm Reaching Range (mm)        | 600   | 900  | 1300   | 1000   |  |
| Weight (kg)                    | 13  | 20.4   | 32   | 30.8   |  |
| Speed                          | Max Joint Speed 180°/s<br>Tooling Speed:0.9m/s  | Max Joint Speed 180°/s<br>Tooling Speed:1.5m/s | Max Joint Speed 180°/s<br>Tooling Speed:2m/s | Max Joint Speed 180°/s<br>Tooling Speed:1.6m/s |  |
| Repeatability                  | ±0.03mm   |  | ±0.05mm                                      |  |  |
| Collision Safety Detection     | 30N   |  | 50N  |  |  |
| Response Time after Collistion | ≤ 0.1s  |  |  |  |  |
| Rated Power                    | ≈ 200W Under the Normal Working Condition   | ≈ 300W Under the Normal Working Condition      | ≈ 500W Under the Normal Working Condition    | ≈ 500W Under the Normal Working Condition      |  |
| Programming                    | Graphic Programming, 12inchs Touch Screen Holder, TCP/IP Script Programming, C/C++ Programming Modbus |  |  |  |  |
| Collaborative Operation        | Five security configurations, Comply with EN ISO 13849-1:2008, PLD                                    |  |  |  |  |
| Joint Range                    | ±180°   |  |  |  |  |
| DOFS                           | 6 DOFS  |  |  |  |  |
| Material                       | Aluminum alloy, ABS plastic   |  |  |  |  |
| Communication Interface        | TCP/IP 100Mbit、ModbusTCP  |  |  |  |  |
| Carbinet I/O                   | 16 digital input, 13 digital output, 4 analog input   |  |  |  |  |
| Carbinet Dimension             | 400mm × 210mm × 500mm   |  |  |  |  |
| IP Grade                       | IP54  |  |  |  |  |
| Ambient Temperature            | 0 ~ 45°C  |  |  |  |  |
| Ambient Humidity               | 25~85%(Non-condensing)  |  |  |  |  |
| Power                          | 220VAC, 50Hz  |  |  |  |  |

# Application

## Industrial Manufacturing

## Dinning, Medical and Algricultural Service

