A NEW GENERATION OF ARC WELDING ROBOTS

NEW arc welding robot ARC Mate 100iD

It’s the first of a new generation: with its sophisticated slim, curved design and fully integrated welding hosepack and utility cables, the brand new FANUC ARC Mate 100iD offers new possibilities for improved productivity and faster integration. A larger workspace, reach and stroke, even in the backflip area, allows for a bigger working range. Improved rigidity and repeatability together with faster motion speed, mean increased productivity.
## ARC Mate 100iD

### Technical Specifications

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<td>6</td>
<td>± 0.02*</td>
<td>145</td>
<td>J1 235 J2 455 J3 380 J4 360 J5 900 J6 260 J2 240 J3 260 J4 430 J5 450 J6 720</td>
<td>26.0/0.90</td>
<td>26.0/0.90</td>
<td>11.0/0.30</td>
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### Control Axes
- J1
- J2
- J3
- J4
- J5
- J6

### Max. Load Capacity
- at wrist: 12 kg

### Max. Reach
- 1441 mm

### Working Range
- Motion range may be restricted according to the mounting angle!

### Controller
- Robot footprint [mm]: 343 x 343
- Mounting position: Floor, Upside down, Angle
- Controller: R30iB Plus
- Open air cabinet
- Mate cabinet
- A-cabinet
- B-cabinet
- Pendant Touch

### Robot
- Motion range of the J5 axis rotation center
- Motion range of the J3 axis rotation center

### Electrical Connections
- Voltage 50/60Hz 3phase [V]: 380-575
- Voltage 50/60Hz 1phase [V]:
- Average power consumption [kW]: 1

### Integrated Services
- Integrated signals on upper arm In/Out: 1/1
- Integrated air supply: 1

### Environment
- Acoustic noise level [dB]: < 70
- Ambient temperature [° C]: 0-45

### Protection
- Body standard/optional: IP54
- Wrist & J3 arm standard/optional: IP67

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*Based on ISO9283

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