

Automation has a name.

**FANUC**

# DISCOVER OUR UPDATED RANGE: MORE CHOICES FOR ADDITIONAL FLEXIBILITY

FANUC Positioners



FANUC's portfolio of positioners, seamlessly integrated with FANUC robots, provides precise part positioning. With **easy integration** and **advanced software functions**, including **coordinated motion**, they ensure **consistent surface speeds**, particularly advantageous in welding applications. FANUC servo positioners, now **capable of handling payloads up to 9000 kg**, bring heightened flexibility to your operations.

**Increase your competitiveness and productivity with FANUC positioners**, especially in applications like arc welding that demand maximum tool dexterity and speed.

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## FANUC workpiece positioners



| 1-axis Positioner                          | 500 kg Hollow   | 1500 kg Hollow  | 2000 kg Compact        | 5000 kg                                 | 9000 kg  |
|--|---|---|------------------------|---|--|
| Specifications                             | <b>1-axis</b>   |   |                        |   |  |
| Controlled axes                            | 1-axis  |   |                        |   |  |
| Max. speed [°/sec]                         | 160   | 150   | 120                    | 110                                     | 60   |
| Motion range [°]                           | +/- 370 <sup>1)</sup>   | +/- 370 <sup>1)</sup>   | +/- 370 <sup>1)</sup>  | +/- 370 <sup>1)</sup>                   | +/- 370 <sup>1)</sup>                              |
| Payload capacity [kg]                      | 500   | 1500  | 2000                   | 5000                                    | 9000   |
| Flange hollow diameter [mm]                | 108   | 120   | -                      | 120                                     | 108  |
| Allowable load moment [Nm]                 | 735   | 2254  | 2740                   | -                                       | -  |
| Allowable bending moment [Nm]              | 4000  | 20580   | 7056                   | 34300                                   | 44100  |
| Allowable load inertia [kgm <sup>2</sup> ] | 360   | 1000  | 1500                   | 2500                                    | 10000  |
| Repeatability [mm]                         | +/- 0.02 <sup>2)</sup>  | +/- 0.02 <sup>2)</sup>  | +/- 0.02 <sup>2)</sup> | +/- 0.02 <sup>2)</sup>                  | +/- 0.02 <sup>2)</sup>                             |
| Weight [kg]                                | 85  | 280   | 120                    | 354                                     | 765  |
| Options                                    | Continuous turn earth cable.<br>Continuous turn signal cable. | Continuous turn earth cable.<br>Continuous turn signal cable. | -                      | Continuous turn signal cable.<br>Clamp. | Continuous turn signal cable.<br>Clamp.<br>Flange. |



| 2-axis Positioner                          | 500 kg                   |
|--|--------------------------|
| Specifications                             | <b>2-axis</b>            |
| Controlled axes                            | 2-axis                   |
| Max. speed [°/sec]                         | J1 120<br>J2 190         |
| Motion range [°]                           | J1 +/- 135<br>J2 +/- 240 |
| Payload capacity [kg]                      | 500                      |
| Flange hollow diameter [mm]                | -                        |
| Allowable load moment [Nm]                 | J1 1764<br>J2 686        |
| Allowable bending moment [Nm]              | -                        |
| Allowable load inertia [kgm <sup>2</sup> ] | J1 300<br>J2 100         |
| Repeatability [mm]                         | +/- 0.05 <sup>2)</sup>   |
| Weight [kg]                                | 295                      |

1) Continuous turn option available 2) Radius = 500 mm

## Haven't found what you are looking for in our lineup of positioners?

Get in touch and discover our customised auxiliary axes hardware/software packages to build your own robot positioner.

## FANUC positioners systems



| H-Frame                        | 500 kg                                      | 1500 kg                     |
|--------------------------------|---|-----------------------------|
| Specifications                 |   |                             |
| Payload capacity per side [kg] | 500   | 1500                        |
| Installation                   | Floor                                       | Floor                       |
| Turning diameter [mm]          | 1000 – 1400 (steps of 200)                  | 1000 – 1.600 (steps of 200) |
| Fixture length [mm]            | 1600 – 2400 (steps of 200)                  | 1600 – 3.000 (steps of 200) |
| Indexing time                  | [0°-180° & 180°-0°] < 4,5 s at max. payload |                             |
| Loading height [mm]            | 1028,5                                      | 1024,4                      |
| Flange hollow diameter [mm]    | 60  | 60                          |
| Options                        | Integrated supply and communication lines   |                             |

| Headstock-Tailstock   | 500 kg                     | 1500 kg                    | 2000 kg                    |
|-----------------------|----------------------------|----------------------------|----------------------------|
| Specifications        |                            |                            |                            |
| Payload capacity [kg] | 500                        | 1500                       | 2000                       |
| Installation          | Floor                      | Floor                      | Floor                      |
| Turning diameter [mm] | 1700 – 2500 (steps of 200) | 1700 – 2900 (steps of 200) | 1700 – 2900 (steps of 200) |
| Fixture length [mm]   | 1600 – 5000 (steps of 200) | 1600 – 5000 (steps of 200) | 1600 – 5000 (steps of 200) |
| Loading height [mm]   | 130                        | 130                        | 130                        |

| Turntable                      | 1900 mm                                     | 2500 mm |
|--------------------------------|---|---------|
| Specifications                 |   |         |
| Payload capacity per side [kg] | 2000  | 2000    |
| Installation                   | Floor                                       | Floor   |
| Turning diameter [mm]          | 1900  | 2500    |
| Indexing time                  | [0°-180° & 180°-0°] < 4,0 s at max. payload |         |
| Loading height [mm]            | 818   | 818     |
| Options                        | Integrated supply and communication lines   |         |

- Up to 72 auxiliary axes controlled simultaneously
- Up to 4 robots controlled simultaneously
- Motor power up to 24 kW and intermittent torque up to 130 Nm
- Many software functions available: Coordinated motion, Root Pass Memorization, Dynamic User Frame, and many more.

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# Automation has a name.



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