Cost Savings through Intelligent Robotization for the 21st Century

GENERAL CATALOG

FANUC
Advantage of using robots

- FANUC Robots will provide your factories with a wide range of advantages.

**Increased Productivity**
- Robots are able to handle products that are too heavy and unsafe for humans to lift.
- Robots are able to operate faster than humans.
- Robots can work nights, weekends, holidays, and in “lights out” facilities without a rest.

**Improved Work Reliability**
- Robots are highly durable and can be relied on for a long-term operation.
- Robots are able to perform complex tasks and operations on behalf of humans.
- No sudden surprises such as sick leave or retirement exists.

**Higher Product Quality**
- Robots are more accurate than manual labor.
- Robots provide higher product quality more consistently than manual labor.

**Reduced Costs**
- Replacing manual operations with robots can reduce personnel costs.
- Easier system or process changeover can be realized.

Various application of robots

- FANUC has a wide range of robot types and models available for various applications.
- Various features are available for FANUC robots to make a maximum use of robot flexibilities.
### Collaborative Robot

**FANUC Robot CR-4iA, 7iA, 14iA**
- **Controlled axes**: 6
- **Max. payload at wrist**: 4kg, 7kg, 14kg
- **Motion range (X,Y)**: 550mm, 818mm, 717mm, 1061mm, 911mm, 1359mm, 1359mm (load capacity: 12kg), 1359mm (load capacity: 15kg), 1359mm
- **Repeatability**: ±0.01mm
- **Mass**: 48kg, 53kg, 55kg
- **Installation**: Floor, Upside-down, Angle
- **Matching controller/Input power capacity**: R-30B Mate/R-30B Mate Plus (standard, open air)/1.2kVA
- **Application**: Handling, Assembling

**FANUC Robot CR-15iA**
- **Controlled axes**: 8
- **Max. payload at wrist**: 15kg
- **Motion range (X,Y)**: 1414mm, 2413mm
- **Repeatability**: ±0.003mm
- **Mass**: 95kg
- **Installation**: Floor, Upside-down, Angle
- **Matching controller/Input power capacity**: R-30B Mate Plus (standard, open air)/1.2kVA
- **Application**: Handling, Assembling

**FANUC Robot CR-35iA**
- **Controlled axes**: 8
- **Max. payload at wrist**: 26kg
- **Motion range (X,Y)**: 1813mm, 2931mm
- **Repeatability**: ±0.09mm
- **Mass**: 152kg
- **Installation**: Floor, Upside-down, Angle
- **Matching controller/Input power capacity**: R-30B Mate Plus (A-cabinet)/1.2kVA
- **Application**: Handling, Assembling

### Mini Robot, SCARA Robot, Delta Robot

**FANUC Robot LR Mate 200iD**
- **Controlled axes**: 6
- **Max. payload at wrist**: 7kg, 4kg, 14kg
- **Motion range (X,Y)**: 717mm, 1274mm, 911mm, 1643mm, 550mm, 970mm, 550mm, 970mm
- **Repeatability**: ±0.01mm
- **Mass**: 25kg, 27kg, 20kg
- **Installation**: Floor, Upside-down, Angle
- **Matching controller/Input power capacity**: R-30B Mate/R-30B Mate Plus (standard, open air)/1.2kVA
- **Application**: Handling, Assembling

**FANUC Robot LR Mate 200iD**
- **Controlled axes**: 6
- **Max. payload at wrist**: 7kg, 4kg, 14kg
- **Motion range (X,Y)**: 717mm, 1274mm, 911mm, 1643mm, 550mm, 970mm, 550mm, 970mm
- **Repeatability**: ±0.01mm
- **Mass**: 25kg, 27kg, 20kg
- **Installation**: Floor, Upside-down, Angle
- **Matching controller/Input power capacity**: R-30B Mate/R-30B Mate Plus (standard, open air)/1.2kVA
- **Application**: Handling, Assembling

**FANUC Robot SR-3iA, 6iA, 12iA**
- **Controlled axes**: 4
- **Max. payload at wrist**: 3kg
- **Motion range (X,Y)**: 400mm, 800mm, 650mm, 1300mm, 600mm, 1800mm
- **Stroke (Z)**: 200mm, 210mm, 300mm, 300mm
- **Repeatability**: ±0.004°, ±0.01°, ±0.01°, ±0.01°
- **Mass**: 19kg
- **Installation**: Floor, Wall, Ceiling
- **Matching controller/Input power capacity**: R-30B Mate/Compact Plus/2kVA
- **Application**: Handling, Assembling

**FANUC Robot M-1iA**
- **Controlled axes**: 6
- **Max. payload at wrist**: 0.5kg, 1kg
- **Motion range (X,Y)**: 2980mm, 1000mm
- **Stroke (Z)**: 300mm, 300mm
- **Repeatability**: ±0.006°, ±0.01°, ±0.01°
- **Mass**: 17kg
- **Installation**: Floor, Ceiling, Angle
- **Matching controller/Input power capacity**: R-30B Mate/Standard, open air/R-30B Mate Plus/Standard, open air/1.2kVA
- **Application**: Handling, Assembling
### Delta Robot

<table>
<thead>
<tr>
<th>FANUC Robot</th>
<th>M-2iA</th>
<th>M-3iA</th>
<th>M-10iA/12S</th>
<th>ARC Mate 100iC/12S</th>
<th>M-20iD/25</th>
<th>ARC Mate 120iC/25</th>
<th>M-20iA</th>
<th>M-30iB/25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controlled axes</td>
<td>/3A</td>
<td>/3S</td>
<td>/6H</td>
<td>/3AL</td>
<td>/3SL</td>
<td>/6HL</td>
<td>/6A</td>
<td>/6S</td>
</tr>
<tr>
<td>Max payload at wrist</td>
<td>2kg</td>
<td>6kg</td>
<td>3kg</td>
<td>6kg</td>
<td>3kg</td>
<td>6kg</td>
<td>6kg</td>
<td>6kg</td>
</tr>
<tr>
<td>Motion range (X,Y)</td>
<td>ø800mm, 300mm</td>
<td>ø1200mm, 500mm</td>
<td>ø1300mm, 400mm</td>
<td>ø1600mm, 500mm</td>
<td>ø2032mm, 500mm</td>
<td>ø2032mm, 500mm</td>
<td>ø1872mm, 500mm</td>
<td>ø2032mm, 500mm</td>
</tr>
<tr>
<td>Repetitability</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
</tr>
<tr>
<td>Mass</td>
<td>145kg</td>
<td>150kg</td>
<td>150kg</td>
<td>150kg</td>
<td>150kg</td>
<td>150kg</td>
<td>150kg</td>
<td>150kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Ceiling</td>
<td>Ceiling</td>
<td>Ceiling</td>
<td>Ceiling</td>
<td>Ceiling</td>
<td>Ceiling</td>
<td>Ceiling</td>
<td>Ceiling</td>
</tr>
<tr>
<td>Matching controller/input power capacity</td>
<td>R-30B/R-30B Plus/A-cabinet, R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
</tr>
<tr>
<td>Application</td>
<td>Handling, Assembling</td>
<td>Handling, Assembling</td>
<td>Handling, Assembling</td>
<td>Handling, Assembling</td>
<td>Handling, Assembling</td>
<td>Handling, Assembling</td>
<td>Handling, Assembling</td>
<td>Handling, Assembling</td>
</tr>
</tbody>
</table>

### Arc Welding Robot, Small/Medium Size Robot

<table>
<thead>
<tr>
<th>FANUC Robot</th>
<th>ARC Mate 100iD</th>
<th>ARC Mate 100iC</th>
<th>ARC Mate 120iD</th>
<th>ARC Mate 120iC</th>
</tr>
</thead>
<tbody>
<tr>
<td>FANUC Robot</td>
<td>M-10iD/12</td>
<td>M-10iA/12S</td>
<td>M-20iD/25</td>
<td>M-20iA/20M/35M</td>
</tr>
<tr>
<td>Controlled axes</td>
<td>/10L</td>
<td>/12S</td>
<td>/6L</td>
<td>/12L</td>
</tr>
<tr>
<td>Max payload at wrist</td>
<td>8kg</td>
<td>8kg</td>
<td>12kg</td>
<td>12kg</td>
</tr>
<tr>
<td>Motion range (X,Y)</td>
<td>1441mm, 2616mm</td>
<td>1086mm, 1872mm</td>
<td>1831mm, 3275mm</td>
<td>1811mm, 3275mm</td>
</tr>
<tr>
<td>Repetitability</td>
<td>±0.02mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
</tr>
<tr>
<td>Mass</td>
<td>145kg</td>
<td>150kg</td>
<td>150kg</td>
<td>150kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Floor, Upside-down, Angle</td>
<td>Floor, Upside-down, Angle</td>
<td>Floor, Upside-down, Angle</td>
<td>Floor, Upside-down, Angle</td>
</tr>
<tr>
<td>Matching controller/input power capacity</td>
<td>R-30B Plus/A-cabinet, R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
<td>R-30B Mate (standard, open air)</td>
</tr>
<tr>
<td>Application</td>
<td>Handling, Assembling, Arc welding, Sealing, Others</td>
<td>Handling, Assembling, Arc welding, Sealing, Others</td>
<td>Handling, Assembling, Arc welding, Sealing, Others</td>
<td>Handling, Assembling, Arc welding, Sealing, Others</td>
</tr>
</tbody>
</table>

### Additional Information

- **Delta Robot**
  - FANUC Robot M-2iA
    - Controlled axes: /3A, /3S, /6H, /3AL, /3SL, /6HL
    - Max payload at wrist: 2kg, 6kg, 3kg, 6kg, 3kg, 6kg
    - Motion range (X,Y): ø800mm, 300mm, ø1200mm, 500mm, ø1300mm, 400mm
    - Repetitability: ±0.03mm, ±0.03mm, ±0.03mm, ±0.03mm, ±0.03mm, ±0.03mm
    - Mass: 145kg, 150kg, 150kg, 150kg, 150kg, 150kg
  - FANUC Robot M-3iA
    - Controlled axes: /6A, /6S, /12H
    - Max payload at wrist: 6kg, 6kg, 12kg
    - Motion range (X,Y): ø1200mm, 500mm, ø1600mm, 500mm
    - Repetitability: ±0.03mm, ±0.03mm, ±0.03mm, ±0.03mm
    - Mass: 175kg, 160kg, 155kg
  - FANUC Robot DR-3iB
    - Controlled axes: 4
    - Max payload at wrist: 8kg
    - Motion range (X,Y): ø1350mm, 500mm
    - Repetitability: ±0.03mm
    - Mass: 170kg
  - **Arc Welding Robot, Small/Medium Size Robot**
    - FANUC Robot ARC Mate 100iD
      - Controlled axes: /10L
      - Max payload at wrist: 12kg, 6kg
      - Motion range (X,Y): 1441mm, 2616mm, 1086mm, 1872mm, 1831mm, 3275mm
      - Repetitability: ±0.02mm
      - Mass: 145kg
      - Installation: Floor, Upside-down, Angle
      - Matching controller/input power capacity: R-30B Plus/A-cabinet, R-30B Mate (standard, open air)
      - Application: Handling, Assembling, Arc welding, Sealing, Others
  - FANUC Robot ARC Mate 100iC
    - Controlled axes: /12S
    - Max payload at wrist: 12kg, 7kg, 8kg
    - Motion range (X,Y): 1098mm, 1872mm, 1622mm, 3006mm, 2032mm, 3762mm
    - Repetitability: ±0.03mm, ±0.03mm, ±0.03mm
    - Mass: 130kg
    - Installation: Floor, Upside-down, Angle
    - Matching controller/input power capacity: R-30B Plus/A-cabinet, R-30B Mate (standard, open air)
    - Application: Handling, Assembling, Arc welding, Sealing, Others
  - FANUC Robot ARC Mate 120iD
    - Controlled axes: /12L
    - Max payload at wrist: 25kg, 6kg
    - Motion range (X,Y): 1831mm, 3461mm, 1811mm, 3275mm, 1813mm, 3278mm
    - Repetitability: ±0.02mm, ±0.03mm
    - Mass: 250kg
    - Installation: Floor, Upside-down, Angle
    - Matching controller/input power capacity: R-30B Plus/A-cabinet, R-30B Mate (standard, open air)
    - Application: Handling, Assembling, Arc welding, Sealing, Others
  - FANUC Robot ARC Mate 120iC
    - Controlled axes: /12L
    - Max payload at wrist: 20kg, 12kg, 20kg
    - Motion range (X,Y): 1811mm, 3275mm, 1813mm, 3278mm, 1813mm, 3278mm
    - Repetitability: ±0.02mm, ±0.03mm
    - Mass: 250kg
    - Installation: Floor, Upside-down, Angle
    - Matching controller/input power capacity: R-30B Plus/A-cabinet, R-30B Mate (standard, open air)
    - Application: Handling, Assembling, Arc welding, Sealing, Others
## Small/Medium Size Robot

<table>
<thead>
<tr>
<th>FANUC Robot M-20iB</th>
<th>M-20iB/25</th>
<th>M-20iB/25C</th>
<th>M-20iB/35S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controlled axes</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Max payload at wrist</td>
<td>25kg</td>
<td>35kg</td>
<td>35kg</td>
</tr>
<tr>
<td>Motion range (X,Y)</td>
<td>1853mm, 3345mm</td>
<td>1445mm, 2891mm</td>
<td>1445mm, 2891mm</td>
</tr>
<tr>
<td>Repeatability</td>
<td>±0.02mm</td>
<td>±0.02mm</td>
<td>±0.02mm</td>
</tr>
<tr>
<td>Mass</td>
<td>210kg</td>
<td>210kg</td>
<td>210kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Floor, Upside-down, Angle</td>
<td>Floor, Upside-down, Angle</td>
<td>Floor, Upside-down, Angle</td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B/R-30B Mate/R-30B Mate Plus (standard)/3kVA</td>
<td>R-30B Mate/R-30B Mate Plus (standard)/3kVA</td>
<td>R-30B Mate/R-30B Mate Plus (standard)/3kVA</td>
</tr>
<tr>
<td>Application</td>
<td>Handling, Assembling, Arc welding, Sealing, Cleaning, Others</td>
<td>Handling, Assembling, Arc welding, Sealing, Cleaning, Others</td>
<td>Handling, Assembling, Arc welding, Sealing, Cleaning, Others</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FANUC Robot M-710iC</th>
<th>/45M /50 /70 /12L /20L /20M /50S /50H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controlled axes</td>
<td>6</td>
</tr>
<tr>
<td>Max payload at wrist</td>
<td>45kg, 50kg, 70kg, 12kg, 20kg, 20kg, 50kg</td>
</tr>
<tr>
<td>Motion range (X,Y)</td>
<td>2606mm, 4575mm, 2050mm, 3545mm, 3123mm, 5609mm, 2582mm, 4609mm</td>
</tr>
<tr>
<td>Repeatability</td>
<td>±0.06mm, ±0.04mm, ±0.04mm, ±0.06mm, ±0.03mm</td>
</tr>
<tr>
<td>Mass</td>
<td>570kg, 560kg, 540kg, 530kg, 545kg, 540kg, 540kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Floor, Upside-down, Angle</td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B/R-30B Mate/R-30B Mate Plus (standard)/12kVA</td>
</tr>
<tr>
<td>Application</td>
<td>Handling, Assembling, Arc welding, Sealing, Spot welding, Others</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FANUC Robot R-1000iA</th>
<th>/80F /100F /120F-7B /80H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controlled axes</td>
<td>6</td>
</tr>
<tr>
<td>Max payload at wrist</td>
<td>80kg, 100kg, 130kg, 120kg, 80kg</td>
</tr>
<tr>
<td>Motion range (X,Y)</td>
<td>2230mm, 3738mm, 2230mm, 3779mm, 2230mm, 3465mm</td>
</tr>
<tr>
<td>Repeatability</td>
<td>±0.01mm</td>
</tr>
<tr>
<td>Mass</td>
<td>620kg, 665kg, 675kg, 790kg, 610kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Floor, Upside-down</td>
</tr>
<tr>
<td>Input power capacity</td>
<td>R-30B/R-30B Mate/R-30B Mate Plus (standard)</td>
</tr>
<tr>
<td>Application</td>
<td>Handling, Assembling, Arc welding, Sealing, Spot welding</td>
</tr>
</tbody>
</table>

## Large Size Robot

<table>
<thead>
<tr>
<th>FANUC Robot R-2000iD</th>
<th>/165FH /210FH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controlled axes</td>
<td>6</td>
</tr>
<tr>
<td>Max payload at wrist</td>
<td>165kg, 210kg, 165kg, 210kg, 125kg</td>
</tr>
<tr>
<td>Motion range (X,Y)</td>
<td>2605mm, 3315mm, 2655mm, 3414mm, 3100mm, 4304mm</td>
</tr>
<tr>
<td>Repeatability</td>
<td>±0.05mm</td>
</tr>
<tr>
<td>Mass</td>
<td>1150kg, 1090kg, 1115kg, 1115kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Floor, Rack</td>
</tr>
<tr>
<td>Matching controller</td>
<td>R-30B/R-30B Mate/R-30B Mate Plus (standard)</td>
</tr>
<tr>
<td>Application</td>
<td>Handling, Assembling, Arc welding, Sealing, Spot welding, Others</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FANUC Robot R-2000iC</th>
<th>/270F /210L /165R /210R /270R /100P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controlled axes</td>
<td>6</td>
</tr>
<tr>
<td>Max payload at wrist</td>
<td>270kg, 210kg, 210kg, 270kg, 100kg</td>
</tr>
<tr>
<td>Motion range (X,Y)</td>
<td>2050mm, 3414mm, 2050mm, 3414mm, 2050mm, 3414mm</td>
</tr>
<tr>
<td>Repeatability</td>
<td>±0.05mm</td>
</tr>
<tr>
<td>Mass</td>
<td>1320kg, 1350kg, 1590kg, 1470kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Floor, Rack</td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B/R-30B Mate/R-30B Mate Plus (standard)</td>
</tr>
<tr>
<td>Application</td>
<td>Handling, Assembling, Arc welding, Sealing, Spot welding, Others</td>
</tr>
</tbody>
</table>
### Large Size Robot

**FANUC Robot R-2000iC**
- **Controlled axes**: 6
- **Max. payload at wrist**: 220kg, 190kg, 210kg
- **Motion range (X,Y)**: 2518mm, 3414mm, 3100mm, 4304mm
- **Repeatability**: ±0.05mm
- **Mass**: 1020kg, 1400kg, 1180kg
- **Application**: Handling, Assembly, Sealing, Spot welding, Washing, Others

**FANUC Robot R-2000iB**
- **Controlled axes**: 6
- **Max. payload at wrist**: 170kg
- **Motion range (X,Y)**: 1520mm, 2278mm
- **Repeatability**: ±0.15mm
- **Mass**: 800kg
- **Installation**: Upside-down, Floor
- **Matching controller**: R-30iB/R-30iB Plus (A, B-cabinet)
- **Input power capacity**: 15kVA

**FANUC Robot M-900iB**
- **Controlled axes**: 6
- **Max. payload at wrist**: 360kg, 280kg, 280kg
- **Motion range (X,Y)**: 2655mm, 3308mm
- **Repeatability**: ±0.1mm
- **Mass**: 1540kg
- **Installation**: Floor, Upside-down
- **Matching controller**: R-30iB/R-30iB Plus (A, B-cabinet)
- **Input power capacity**: 15kVA

**FANUC Robot M-900iA**
- **Controlled axes**: 6
- **Max. payload at wrist**: 1200kg, 900kg
- **Motion range (X,Y)**: 3734mm, 4683mm
- **Repeatability**: ±0.18mm
- **Mass**: 8600kg
- **Installation**: Floor
- **Matching controller**: R-30iB/R-30iB Plus (A, B-cabinet)
- **Input power capacity**: 15kVA

### Palletizing Robot, Others

**FANUC Robot M-410iC**
- **Controlled axes**: 4
- **Max. payload at wrist**: 110kg, 146kg, 185kg
- **Motion range (X,Y)**: 2423mm, 2283mm
- **Repeatability**: ±0.05mm
- **Mass**: 1030kg
- **Installation**: Floor
- **Matching controller**: R-30iB (B-cabinet)/15kVA
- **Input power capacity**: 15kVA

**FANUC Robot M-410iB**
- **Controlled axes**: 5
- **Max. payload at wrist**: 110kg, 146kg, 185kg
- **Motion range (X,Y)**: 2423mm, 2283mm
- **Repeatability**: ±0.05mm
- **Mass**: 1200kg
- **Installation**: Floor
- **Matching controller**: R-30iB (B-cabinet)/15kVA
- **Input power capacity**: 15kVA

### Paint Robot

**FANUC Robot M-1000iB**
- **Controlled axes**: 5
- **Max. payload at wrist**: 10kg (1500mm/s), 15kg (1200mm/s)
- **Motion range (X,Y)**: 3048mm, 4548mm
- **Repeatability**: ±0.5mm
- **Mass**: 700kg
- **Installation**: Wall
- **Matching controller**: R-30iB (A-cabinet)/15kVA
- **Input power capacity**: 15kVA

**FANUC Robot P-1000iA**
- **Controlled axes**: 5
- **Max. payload at wrist**: 10kg
- **Motion range (X,Y)**: 3048mm, 4548mm
- **Repeatability**: ±0.5mm
- **Mass**: 700kg
- **Installation**: Wall
- **Matching controller**: R-30iB (A-cabinet)/15kVA
- **Input power capacity**: 15kVA

---

*1: Controller mass (120kg) is included. *2: Controller mass (120kg) is not included.
Features of FANUC Robot

High Reliability

Reliable
FANUC designs and manufacturers all robot components with the highest quality and durability, including mechanical arms, servo motors, controllers, software, and sensors.

Predictable
Diagnostic features can inform you of conditions in which a robot may fail, allowing for preventative maintenance on the robot before a failure.

Zero Down Time
Zero Down Time combines various functions useful for preventive maintenance and helps to improve production efficiency by controlling these functions from a centralized server. This allows failures to be “Predictable”.

Easy to Repair
- Robot mechanical units are designed for easy maintenance.
- Diagnostic features can estimate causes of failure, assisting your quick repair.

High Efficiency

Learning Robot
The Learning Robot provides smooth and high-speed motion by suppressing robot vibration. This enhances the robot’s productivity and the efficiency of a production line, which contributes to reduced overall system costs. Also the Learning Robot enhances the performance of handling a heavy jig or workpiece, which causes robot vibration.

Visual Tracking
Through Visual Tracking the robot tracks and picks parts moving on a conveyor by utilizing the vision sensor located upstream. Multiple robots connected via a network can automatically divide the workload among the robots, allowing for automation in various picking and packing processes.

High Flexibility

Robot iHMI
The robot iHMI provides a graphical and intuitive interface allowing operators at all levels to easily set up and operate a robot, and check its status.

Collaborative Robot
The green collaborative robot immediately and safely stops when it comes in contact with a human operator, allowing for safe operation in the same workspace without safety fences. This provides production efficiency and cost savings on labor at your factory. Additionally, lead through operation and teaching are available through the Hand Guidance feature.

BVision - Integrated Robot Vision
Vision hardware is integrated in the robot controller as standard. 2D compensation, 3D compensation, color sorting, error proofing, bar code reading, etc. can be realized just by connecting Camera or 3D sensor on the controller. Also, vision teaching and camera viewing can be done on the robot teach pendant.

Bin Picking
The Bin Picking Robot equipped with a vision sensor automates the picking process of randomly piled parts in a bin. The parts do not need to be arranged in advance, eliminating the need for positioning fixtures. It also allows for easy part changeover. The Bin Picking Robot enables unmanned part handling in your factories.

Force Sensor/Deburring-Polishing
The Six-Axis Force Sensor, equipped on the robot’s wrist, enables a contouring motion of the robot tool while maintaining a designated pushing force to the part. The force-controlled robot contributes to automating processes such as deburring of machined part edges and polishing of part surfaces.

ROBOGUIDE
ROBOGUIDE is a powerful PC simulation software providing system layout, programming and accurate simulation tools for design and evaluation of various robot systems.
Controller

R-30iB/R-30iB Plus Controller

R-30iB Mate/R-30iB Mate Plus Controller

R-30iB Compact Plus Controller

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Dimensions (W×D×H)</th>
<th>Rated Voltage</th>
<th>Overvoltage Category</th>
<th>Pollution Degree</th>
<th>Overvoltage Category II</th>
<th>Pollution Degree II</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-Cabinet</td>
<td>Standard Type</td>
<td>600x470x500</td>
<td>AC 200–757V</td>
<td>Ⅱ</td>
<td>2</td>
<td>Ⅱ</td>
<td>3</td>
</tr>
<tr>
<td>B-Cabinet</td>
<td>Open Air Type</td>
<td>740x550x1100</td>
<td>AC 200–230V</td>
<td>Ⅲ</td>
<td>3</td>
<td>Ⅲ</td>
<td>3</td>
</tr>
</tbody>
</table>

*1: Dimension is varied due to robot types
*2: Some Robot types do not correspond to R-30iB Plus or R-30iB Mate Plus.
*3: This controller is an open air type, and should be installed in a "Pollution degree 2" environment regulated by IEC 60664-1, IEC/UL61010-1. "Pollution degree 2" means a clean, office-like environment.

### Maintenance & Support

#### Worldwide Customer Service

FANUC offers customer service and support anywhere in the world through subsidiaries and affiliates. FANUC prides itself in providing the highest quality service with the quickest response time at the nearest location to you.

#### FANUC ACADEMY

FANUC ACADEMY offer a variety of intensive robot training courses, from introductory to advanced knowledge and skills for teaching, operation, engineering and maintenance of FANUC robots and their applications. Hands-on training provides your employees with the skills needed to operate and maintain your factory automation.

---

All specifications are subject to change without notice.
No part of this catalog may be reproduced in any form.
The products in this catalog are controlled based on Japan’s "Foreign Exchange and Foreign Trade Law". The export from Japan may be subject to an export license by the government of Japan. Further, re-export to another country may be subject to the license of the government of the country from where the product is re-exported. Furthermore, the product may also be controlled by re-export regulations of the United States government. Should you wish to export or re-export these products, please contact FANUC for advice.

---

© FANUC CORPORATION, 1995
Robot i(E)-35, 2019.12, Printed in Japan