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.
### FANUC Robot i series

#### Collaborative Robot

<table>
<thead>
<tr>
<th>Model</th>
<th>Controlled axes</th>
<th>Max. payload at wrist</th>
<th>Motion range (X,Y)</th>
<th>Repeatability</th>
<th>Mass</th>
<th>Installation</th>
<th>Matching controller/Input power capacity</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRX-10iA</td>
<td>10A/10iA</td>
<td>10kg</td>
<td>1240mm, 2480mm</td>
<td>±0.005mm</td>
<td></td>
<td>Floor, Upside-down, Angle</td>
<td>R-3D8 Mate Plus/standard/2kVA</td>
<td>Handling, Assembling</td>
</tr>
<tr>
<td>CR-4iA, 7iA, 14iA</td>
<td>4iA/7iA/7iA/L/14iA/L</td>
<td>7kg/14kg/7kg/20kg</td>
<td>717mm, 1061mm, 1911mm, 3591mm</td>
<td>±0.011mm &amp; 50kg</td>
<td>Floor, Upside-down, Angle</td>
<td>R-3D8 Mate Plus (standard)/1.2kVA</td>
<td>Handling, Assembling</td>
<td></td>
</tr>
<tr>
<td>CR-15iA</td>
<td>6</td>
<td>12kg</td>
<td>1441mm, 2413mm</td>
<td>±0.004mm</td>
<td>55kg</td>
<td>Floor, Upside-down, Angle</td>
<td>R-3D8 Mate Plus (standard)/2kVA</td>
<td>Handling, Assembling</td>
</tr>
<tr>
<td>CR-35iA</td>
<td>6</td>
<td>7kg</td>
<td>1813mm, 2804mm</td>
<td>±0.005mm</td>
<td>13kg</td>
<td>Floor, Upside-down, Angle</td>
<td>R-3D8 Mate Plus (standard)/3kVA</td>
<td>Handling, Assembling</td>
</tr>
</tbody>
</table>

#### Mini Robot, SCARA Robot, Delta Robot

<table>
<thead>
<tr>
<th>Model</th>
<th>Controlled axes</th>
<th>Max. payload at wrist</th>
<th>Motion range (X,Y)</th>
<th>Stroke(Z)</th>
<th>Repeatability</th>
<th>Mass</th>
<th>Installation</th>
<th>Matching controller/Input power capacity</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>LR Mate 200iD/50iD</td>
<td>6/7/14L</td>
<td>7kg</td>
<td>717mm, 1247mm</td>
<td>200mm</td>
<td>±0.01mm</td>
<td></td>
<td>Floor, Upside-down, Angle</td>
<td>R-3D8 Mate Plus/standard/open air/1.5kVA</td>
<td>Handling, Assembling</td>
</tr>
<tr>
<td>LR Mate 200iD/7L</td>
<td>6</td>
<td>14kg</td>
<td>911mm, 1643mm</td>
<td>820mm</td>
<td>±0.011mm</td>
<td></td>
<td>Floor, Upside-down, Angle</td>
<td>R-3D8 Mate Plus (standard)/1.2kVA</td>
<td>Handling, Assembling</td>
</tr>
<tr>
<td>SR-3iA, 6iA, 12iA</td>
<td>4, 3/4, 4/4</td>
<td>3kg/6kg/12kg</td>
<td>4000mm, 8000mm</td>
<td>200mm</td>
<td>±0.004&quot;</td>
<td></td>
<td>Floor, Wall</td>
<td>R-3D8 Mate Plus/2kVA</td>
<td>Handling, Assembling</td>
</tr>
</tbody>
</table>

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**Note:** The above table is a sample representation and may not include all details and specifications available in the original document.
## Delta Robot

### FANUC Robot M-1iA

<table>
<thead>
<tr>
<th>Controlled axes</th>
<th>/0.5A</th>
<th>/0.5S</th>
<th>/1H</th>
<th>/0.5AL</th>
<th>/0.5SL</th>
<th>/1HL</th>
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</thead>
<tbody>
<tr>
<td>Max.payload at wrist</td>
<td>0.5kg(option:1kg)</td>
<td>1kg</td>
<td>0.5kg(option:1kg)</td>
<td>1kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motion range(X,Y)</td>
<td>φ280mm, 100mm</td>
<td>1kg</td>
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<td></td>
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<tr>
<td>Repeatability</td>
<td>±0.02mm</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Mass(without stand)</td>
<td>17kg</td>
<td>14kg</td>
<td>12kg</td>
<td>20kg</td>
<td>17kg</td>
<td>15kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Floor, Ceiling, Angle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B Mate(Standard, open air)/R-30B Mate Plus(Standard, open air)/1kVA</td>
<td></td>
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<td></td>
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<tr>
<td>Application</td>
<td>Handling</td>
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<td></td>
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</tr>
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### FANUC Robot M-2iA

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<th>/3A</th>
<th>/3S</th>
<th>/6H</th>
<th>/3AL</th>
<th>/3SL</th>
<th>/6HL</th>
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</thead>
<tbody>
<tr>
<td>Max.payload at wrist</td>
<td>6kg</td>
<td>6kg</td>
<td>12kg</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Motion range(X,Y)</td>
<td>φ420mm, 150mm</td>
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<td>Repeatability</td>
<td>±0.03mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass</td>
<td>1400kg</td>
<td>1300kg</td>
<td>1250kg</td>
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<td></td>
</tr>
<tr>
<td>Installation</td>
<td>Ceiling</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B/R-30B Plus/A-cabinet, R-30B Mate(standard, open air)/R-30B Mate Plus(standard, open air)/12kVA</td>
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</tr>
<tr>
<td>Application</td>
<td>Handling</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

### FANUC Robot M-3iA

<table>
<thead>
<tr>
<th>Controlled axes</th>
<th>/6A</th>
<th>/6S</th>
<th>/12H</th>
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</thead>
<tbody>
<tr>
<td>Max.payload at wrist</td>
<td>6kg</td>
<td>6kg</td>
<td>12kg</td>
</tr>
<tr>
<td>Motion range(X,Y)</td>
<td>φ1350mm, 500mm</td>
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</tr>
<tr>
<td>Repeatability</td>
<td>±0.03mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass</td>
<td>175kg</td>
<td>160kg</td>
<td>155kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Ceiling</td>
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<td></td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B/R-30B Plus/A-cabinet, R-30B Mate(standard, open air)/R-30B Mate Plus(standard, open air)/12kVA</td>
<td></td>
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</tr>
<tr>
<td>Application</td>
<td>Handling</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### FANUC Robot DR-3iB

<table>
<thead>
<tr>
<th>Controlled axes</th>
<th>/8L</th>
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<tbody>
<tr>
<td>Max.payload at wrist</td>
<td>4kg</td>
</tr>
<tr>
<td>Motion range(X,Y)</td>
<td>φ1800mm, 500mm</td>
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<tr>
<td>Repeatability</td>
<td>±0.03mm</td>
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<tr>
<td>Mass</td>
<td>170kg</td>
</tr>
<tr>
<td>Installation</td>
<td>Ceiling</td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B Plus/A-cabinet, R-30B Mate(standard, open air)/R-30B Mate Plus(standard, open air)/12kVA</td>
</tr>
<tr>
<td>Application</td>
<td>Handling</td>
</tr>
</tbody>
</table>

## Arc Welding Robot, Small/Medium Size Robot

### FANUC Robot ARC Mate 100iD

<table>
<thead>
<tr>
<th>Controlled axes</th>
<th>ARC Mate 100iD</th>
<th>/10L</th>
<th>/8L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max.payload at wrist</td>
<td>12kg</td>
<td>6kg</td>
<td>8kg</td>
</tr>
<tr>
<td>Motion range(X,Y)</td>
<td>141mm, 261mm</td>
<td>1636mm</td>
<td>2032mm</td>
</tr>
<tr>
<td>Repeatability</td>
<td>±0.02mm</td>
<td>±0.03mm</td>
<td></td>
</tr>
<tr>
<td>Mass</td>
<td>160kg</td>
<td>150kg</td>
<td></td>
</tr>
<tr>
<td>Installation</td>
<td>Floor, Upside-down, Angle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B Plus/A-, B-cabinet, R-30B Mate Plus(standard)/2kVA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application</td>
<td>Handling</td>
<td></td>
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</table>

### FANUC Robot ARC Mate 100iC

<table>
<thead>
<tr>
<th>Controlled axes</th>
<th>ARC Mate 100iC</th>
<th>/12</th>
<th>/7L</th>
<th>/8L</th>
<th>/10MS</th>
<th>/10M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max.payload at wrist</td>
<td>12kg</td>
<td>6kg</td>
<td>8kg</td>
<td>10kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motion range(X,Y)</td>
<td>109mm, 167mm, 142mm, 250mm</td>
<td>1632mm</td>
<td>2032mm, 2702mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeatability</td>
<td>±0.02mm</td>
<td>±0.03mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass</td>
<td>130kg</td>
<td>125kg</td>
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<tr>
<td>Installation</td>
<td>Floor, Upside-down, Angle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B/R-30B Plus/A-, B-cabinet, R-30B Mate/R-30B Mate Plus(standard)/2kVA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application</td>
<td>Handling</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

### FANUC Robot M-20iD

<table>
<thead>
<tr>
<th>Controlled axes</th>
<th>ARC Mate 120iD</th>
<th>/12L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max.payload at wrist</td>
<td>25kg</td>
<td>12kg</td>
</tr>
<tr>
<td>Motion range(X,Y)</td>
<td>183mm, 3461mm</td>
<td>2272mm, 4343mm</td>
</tr>
<tr>
<td>Repeatability</td>
<td>±0.02mm</td>
<td>±0.03mm</td>
</tr>
<tr>
<td>Mass</td>
<td>250kg</td>
<td></td>
</tr>
<tr>
<td>Installation</td>
<td>Floor, Upside-down, Angle</td>
<td></td>
</tr>
<tr>
<td>Matching controller/Input power capacity</td>
<td>R-30B Plus/A-, B-cabinet, R-30B Mate Plus(standard)/3kVA</td>
<td></td>
</tr>
<tr>
<td>Application</td>
<td>Handling</td>
<td></td>
</tr>
</tbody>
</table>
**FANUC Robot M-800+/A**

- **Controlled axes**: 6
- **Max. payload at wrist**: 20kg
- **Motion range (X,Y)**: 1811mm, 3275mm
- **Repeatability**: ±0.03mm
- **Mass**: 250kg
- **Installation**: Floor, Upside-down
- **Matching controller/input power capacity**: R-30B/R-30B Plus (A, B-cabinet), R-30B Mate/R-30B Mate Plus (standard)/3kVA
- **Application**: Handling, Assembling, Arc welding, Sealing, Spot welding, Others
- **Notes**: Matching controller/Input power capacity for R-30B Mate/R-30B Mate Plus controller (standard) is not available for /50 H.

---

**FANUC Robot M-20+/B**

- **Controlled axes**: 6
- **Max. payload at wrist**: 25kg
- **Motion range (X,Y)**: 1853mm, 3345mm
- **Repeatability**: ±0.03mm
- **Mass**: 210kg
- **Installation**: Floor, Upside-down
- **Matching controller/input power capacity**: R-30B/R-30B Plus (A, B-cabinet), R-30B Mate/R-30B Mate Plus (standard)/3kVA
- **Application**: Handling, Assembling, Arc welding, Sealing, Clean room, Others
- **Notes**: Matching controller/Input power capacity for R-30B Mate/R-30B Mate Plus controller (standard) is not available for /50 H.

---

**FANUC Robot M-710+I/C**

- **Controlled axes**: 6
- **Max. payload at wrist**: 45kg
- **Motion range (X,Y)**: 2605mm, 3315mm
- **Repeatability**: ±0.06mm
- **Mass**: 570kg
- **Installation**: Floor, Upside-down
- **Matching controller/input power capacity**: R-30B/R-30B Plus (A, B-cabinet), R-30B Mate/R-30B Mate Plus (standard)/3kVA
- **Application**: Handling, Assembling, Arc welding, Sealing, Spot welding, Others
- **Notes**: Matching controller/Input power capacity for R-30B Mate/R-30B Mate Plus controller (standard) is not available for /50 H.

---

**FANUC Robot R-2000+/D**

- **Controlled axes**: 6
- **Max. payload at wrist**: 165kg
- **Motion range (X,Y)**: 2605mm, 3415mm
- **Repeatability**: ±0.05mm
- **Mass**: 1150kg
- **Installation**: Floor
- **Matching controller/input power capacity**: R-30B/R-30B Plus (A, B-cabinet), R-30B Mate/R-30B Mate Plus (standard)/3kVA
- **Application**: Handling, Assembling, Sealing, Spot welding, Others
- **Notes**: Matching controller/Input power capacity for R-30B Mate/R-30B Mate Plus controller (standard) is not available for /50 H.

---

**Large Size Robot**

- **FANUC Robot ARC Mate 120+I/C**
- **FANUC Robot R-1000+/A**
- **FANUC Robot M-710+/C/50**
- **FANUC Robot M-710+/C/20L**
- **FANUC Robot M-800+/A/60**
- **FANUC Robot R-2000+/C/210F**
- **FANUC Robot R-2000+/C/165R**
- **FANUC Robot R-2000+/D/210FH**
- **FANUC Robot R-2000+/C/155F**
- **FANUC Robot R-2000+/C/125L**
- **FANUC Robot M-800+/A/60**
- **FANUC Robot R-2000+/D/210FH**
- **FANUC Robot R-2000+/C/155F**
- **FANUC Robot R-2000+/C/125L**

---

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

- **FANUC Robot ARC Mate 120+I/C**
- **FANUC Robot R-1000+/A/80F**
- **FANUC Robot R-2000+/C/210F**
- **FANUC Robot R-2000+/C/165R**
- **FANUC Robot R-2000+/D/210FH**
- **FANUC Robot R-2000+/C/155F**
- **FANUC Robot R-2000+/C/125L**

---

**Application**

- Handling
- Assembling
- Arc welding
- Sealing
- Spot welding
- Others

---

**Notes**

- Matching controller/Input power capacity for R-30B Mate/R-30B Mate Plus controller (standard) is not available for /50 H.
**Large Size Robot**

**FANUC Robot R-2000iC**
- Controlled axes: 6
- Max. payload at wrist: 270kg, 210kg, 165kg, 210kg, 270kg, 100kg
- Motion range (X,Y): 2855mm, 3414mm, 3100mm, 4304mm, 3095mm, 4733mm, 3540mm, 5623mm
- Repeatability: ±0.05mm
- Mass: 1320kg, 1350kg, 1370kg, 1590kg, 1470kg
- Installation: Floor Rack
- Matching controller/Input power capacity: R-30iA, R-30iA/B, R-30iA/B Plus (A-, B-cabinet)
- Input power capacity: 15kVA, 15VA, 15VA
- Application: Handling, Assembling, Sealing, Spot welding, Others
- Repeatability: ±0.05mm

**FANUC Robot R-2000iC**
- Controlled axes: 6
- Max. payload at wrist: 220kg, 190kg, 210kg
- Motion range (X,Y): 2518mm, 3414mm, 3100mm, 4304mm, 2450mm, 3415mm
- Repeatability: ±0.05mm ±0.10mm
- Mass: 1020kg, 1400kg, 1180kg
- Installation: Upside-down Floor
- Matching controller/Input power capacity: R-30iA
- Input power capacity: 15kVA
- Application: Handling, Assembling, Sealing, Spot welding, Washing, Others

**FANUC Robot M-900iB**
- Controlled axes: 6
- Max. payload at wrist: 360kg, 280kg, 280kg
- Motion range (X,Y): 3734mm, 4683mm, 3734mm, 4683mm, 2655mm, 3308mm
- Repeatability: ±0.1mm
- Mass: 1540kg, 1600kg, 1700kg
- Installation: Floor, Upside-down, Angle Floor
- Matching controller/Input power capacity: R-30iA, R-30iA/B Plus (A-, B-cabinet)
- Input power capacity: 15kVA
- Application: Handling, Assembling, Sealing, Spot welding, Washing, Others
- Repeatability: ±0.1mm ±0.27mm

**FANUC Robot M-2000iA**
- Controlled axes: 6
- Max. payload at wrist: 1200kg, 900kg, 2300kg
- Motion range (X,Y): 3734mm, 4683mm, 3734mm, 4683mm, 2655mm, 3308mm
- Repeatability: ±0.05mm
- Mass: 8600kg, 9600kg, 11000kg
- Installation: Floor
- Matching controller/Input power capacity: R-30iA, R-30iA/B Plus (A-, B-cabinet)
- Input power capacity: 15kVA
- Application: Handling, Assembling, Sealing, Spot welding, Washing, Others
- Repeatability: ±0.18mm ±0.27mm

**Palletizing Robot, Others**

**FANUC Robot M-410iC**
- Controlled axes: 4
- Max. payload at wrist: 110kg, 140kg
- Motion range (X,Y): 243mm, 288mm, 314mm, 288mm
- Repeatability: ±0.05mm
- Mass: 1090kg, 1200kg
- Installation: Floor
- Matching controller/Input power capacity: R-30iA, R-30iA/B Plus (A-, B-cabinet)
- Input power capacity: 15kVA
- Application: Handling
- Repeatability: ±0.03mm ±0.06mm ±0.2mm

**Paint Robot**

**FANUC Robot P-40iA, P-350iA, P-250iB**
- Controlled axes: 4
- Max. payload at wrist: 5kg, 45kg
- Motion range (X,Y): 1300mm, 2308mm, 2606mm, 4575mm
- Repeatability: ±0.05mm
- Mass: 110kg, 140kg
- Installation: Floor, Upside-down, Wall, Rack, Angle
- Matching controller/Input power capacity: R-30iA Mate Plus / 15kVA
- Input power capacity: 15kVA
- Application: Painting
- Repeatability: ±0.05mm

**FANUC Robot P-100iA**
- Controlled axes: 7
- Max. payload at wrist: 10kg (1500mm/s), 15kg (1200mm/s)
- Motion range (X,Y): 3944mm, 4243mm
- Repeatability: ±0.05mm
- Mass: 700kg
- Installation: Wall
- Matching controller/Input power capacity: R-30iA (A-cabinet) / 12kVA
- Application: Painting
- Repeatability: ±0.05mm
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.

**Support Various Applications**

**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.

**iRVision - Integrated Robot Vision**
Vision hardware is integrated in the robot controller as standard. 2D compensation, 3D compensation, color sorting, error proofing, barcode 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.

**Network Function**
OPC UA, MTConnect, Modbus communication etc. are supported. PC and PLC etc. can input/output robot data.

**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.
<table>
<thead>
<tr>
<th>Controller</th>
<th>R-30i/B/R-30iB Plus Controller</th>
<th>R-30i/B Mate/R-30iB Mate Plus Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A-Cabinet</td>
<td>Standard Type</td>
</tr>
<tr>
<td></td>
<td>B-Cabinet</td>
<td>Open Air Type</td>
</tr>
<tr>
<td>Rated Supply Voltage</td>
<td>AC 200–575V +10%–15% 50/60Hz ±1Hz, 3-phase</td>
<td>AC 200–230V +10%–15% 50/60Hz ±1Hz, 3-phase</td>
</tr>
<tr>
<td>Mass of Controller</td>
<td>120–140kg</td>
<td>40kg</td>
</tr>
<tr>
<td>Dimensions (W×D×H)</td>
<td>600x470x500</td>
<td>470x322x400</td>
</tr>
<tr>
<td>Overvoltage Category / Pollution degree</td>
<td>Overvoltage Category II, Pollution Degree 3, IEC60664-1, IEC/UL61010-1</td>
<td>Overvoltage Category II, Pollution Degree 2, IEC60664-1, IEC/UL61010-1</td>
</tr>
<tr>
<td>Overvoltage Category</td>
<td>iEC/UL61010-1</td>
<td>IP54</td>
</tr>
<tr>
<td>Overvoltage Category</td>
<td>iEC/UL61010-1</td>
<td>IP2D</td>
</tr>
<tr>
<td>Protection Class</td>
<td>IP54</td>
<td>USB</td>
</tr>
<tr>
<td>Emergency stop</td>
<td>Emergency stop function</td>
<td>USB PCMCIA</td>
</tr>
<tr>
<td>External Memory</td>
<td>USB</td>
<td>USB</td>
</tr>
<tr>
<td>Fieldbus</td>
<td>FL-net, DeviceNet, PROFIBUS, PROFINET, CC-Link, CC-Link IE, EtherNet/IP, EtherCAT</td>
<td>FL-net, DeviceNet, PROFIBUS, PROFINET, CC-Link, EtherNet/IP, EtherCAT</td>
</tr>
</tbody>
</table>

*1: Dimension is varied due to robot types
*2: Some Robot types do not correspond to R-30i/B 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.
*4: Overvoltage Category II per IEC 60664-1

**Industrial Standards & Conformance for Safety and Environment**

The FANUC Robot i series is manufactured at fully automated and robotized factories under strict quality control, and meets ISO:9001 certifications. The FANUC Robot i series is compliant with the European, American, Korean, etc. safety standards, and has been certified with the CE, NRTL and KCs marking (with options for each specification). TUV marking and TUV EMC marking are attached when the European specification for the robot is chosen.

**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.