High speed Hybrid Style take out Robot

**MACH-II Series**

MACH-II-400S~600S & MACH-II-400D~600D

ISO 9001:2000

HYROBOTICS
Take-Out Robot

**MACH-II Series**

High Speed Hybrid style Take Out Robot

### Features
- IMM: 280 ~ 550 Tons IMM
- High Quality Servo Motor for Traverse Axis Motion
- Motion Guide: High Strength Linear Guide
- Descant: Telescopic Structure
- Main Controller: Body Attached

### Technical Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>Power</th>
<th>Driving Method</th>
<th>Controller</th>
<th>Air Pressure</th>
<th>Max Pressure</th>
<th>Rotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACH II 400S</td>
<td>1 x AC220V(50/60Hz)</td>
<td>Servo / Pneumatic</td>
<td>Micro Controller</td>
<td>6 kgf/cm²</td>
<td>8 kgf/cm²</td>
<td>90.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Traverse (mm)</th>
<th>Down (mm)</th>
<th>Kick/Reach (mm)</th>
<th>Max Electricity</th>
<th>Air Consumption</th>
<th>Plyload</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACH II 400S</td>
<td>1700</td>
<td>1100</td>
<td>350</td>
<td>Single Phase AC 220V (4A/24V)</td>
<td>25</td>
<td>5 kgf</td>
</tr>
<tr>
<td>MACH II 600S</td>
<td>2000</td>
<td>1300</td>
<td>450</td>
<td>35</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>MACH II 600D</td>
<td>2000</td>
<td>1300</td>
<td>450</td>
<td>200</td>
<td>38</td>
<td>10 kgf</td>
</tr>
</tbody>
</table>

### Motion Pattern
1. Main Arm, Sub Arm or Both Arm
2. Take Out Method: Suction, Chuck or Both
3. Chuck Confirmation: Yes or No
4. Outside Waiting: Yes or No
5. Take Out Motion: L Shape, U Shape
6. Main Arm Descant: Nozzle Side, Clamp Side
7. Sub Arm Descant: Nozzle Side, Clamp Side
8. Chuck Rotation: Before Traverse, No Kick, After Traverse, No
10. Sub Arm Release: Standard, In Mold, While Traverse, After Traverse
11. Ejector Control: Yes or No
12. Buzzer: Use or No Use
14. Multi Order Release: 4 Point Order
15. Mold Close Delay: Use or No Use
16. Under Cut: Use or No Use
17. Process Time Alarm: Up to 99 Sec

### Option
1. Pitch Release
2. Swivel Rotation
3. Internal Nipper System
4. External Nipper System

### Handy Palm Controller
- Large LCD (128*64 dot) for Display
- Soft Touch Button with Simple Operation
- Auto button start Automatically run Robot
- I/O View and Motion Pattern can be selected
- Simple Operation for Non Experienced Operator

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- 9 Main Release: Standard, In Mold, No Down
- 10 Sub Arm Release: Standard, In Mold, While Traverse, After Traverse
- 11 Ejector Control: Yes or No
- 12 Buzzer: Use or No Use
- 13 Multi Point Release: Up to 99
- 14 Multi Order Release: 4 Point Order
- 15 Mold Close Delay: Use or No Use
- 16 Under Cut: Use or No Use
- 17 Process Time Alarm: Up to 99 Sec
<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACH II-400S</td>
<td>2320 (2620)</td>
<td>1700 (2000)</td>
<td>1515</td>
<td>1500</td>
<td>894</td>
<td>-</td>
<td>-</td>
<td>800</td>
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<td>MACH II-400D</td>
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<td>780</td>
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<tr>
<td>MACH II-600S</td>
<td>2620 (2820)</td>
<td>2000 (2200)</td>
<td>1635</td>
<td>1600</td>
<td>1094</td>
<td>-</td>
<td>-</td>
<td>1110</td>
<td>218</td>
<td>1138</td>
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<tr>
<td>MACH II-600D</td>
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<td>900</td>
<td>238</td>
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Specification is subject to change without any notice for quality improvement. ( ) Dimension is for L (Extended) Type.