



Ultra High-Speed Delta Robot

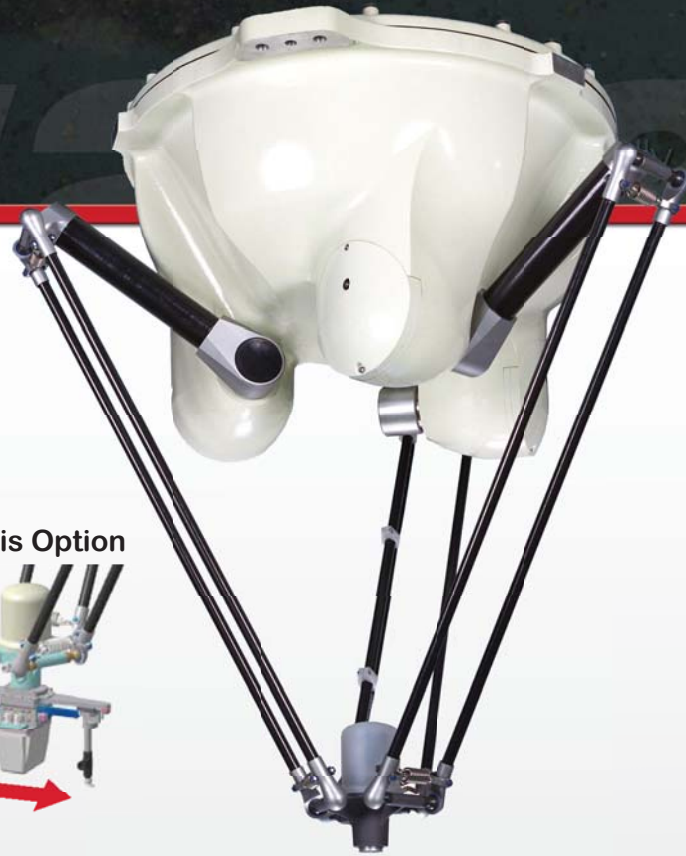
High Performance Features:

- 1 WIDE MOTION RANGE**
The large work envelope (1,300 mm dia. & 500mm Z-stroke) is ideal for a wide range of high-speed handling applications.
- 2 HIGH PAYLOAD CAPACITY**
The 3kg (6.6lbs.) payload capacity is the highest in its class.
- 3 ULTRA HIGH-SPEED OPERATION**
Cycles times as short as 0.27 seconds can be achieved.
- 4 HIGH REPEATABILITY**
Productivity is maximized via precision pick and place handling. Positional repeatability of +/-0.1mm and angular repeatability of +/- 0.1 degree.
- 5 WASH DOWN PROTECTION**
Ideal for food handling applications where caustic solutions are used to wash down machines to ensure hygiene.
- 6 EASY MAINTENANCE**
The Kawasaki design requires very little maintenance while boasting an industry leading 96,000 hours MTBF.

5th Axis Option

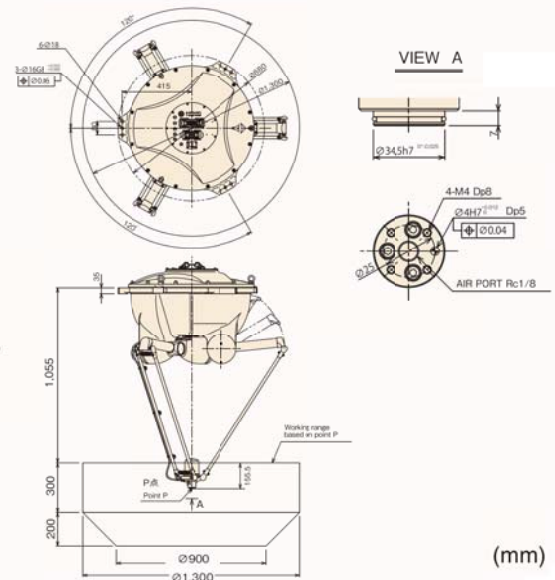


- 7 SHAFT-LESS DESIGN**
Kawasaki engineers developed a shaft-less design to eliminate the center shaft which was determined to be the #1 cause of failure with competitor's robots.
- 8 FOOD-GRADE LUBRICATION**
Food-grade lubricants are used to conform with industry standards.
- 9 OPTIONAL FIFTH AXIS**
A fifth axis can be added to further reduce cycles times and broaden application range.



| | | |
|--------------------------|-----------------|---------------|
| Arm Model Number | YF03N | |
| Controller | E30 | |
| Maximum Payload Capacity | 3kg | |
| No. of Axes | <i>standard</i> | 4 |
| | <i>optional</i> | 5 |
| Maximum Stroke | 1,300mm | |
| Diameter Stroke | 900mm | |
| Cycle Time (1kg) | 0.27 sec. | |
| Cycle Time (3kg) | 0.45 sec. | |
| IP Rating | <i>standard</i> | IP 65 |
| | <i>optional</i> | IP 67 |
| Arm Weight | 135kg | |
| Interface | <i>standard</i> | USB, Ethernet |
| | <i>optional</i> | Specify |

YF03N



Polishing - Handling - Painting - Sealing - Packaging - Palletizing - Cutting - Welding - Tending - Grinding - Dispensing - Inspection