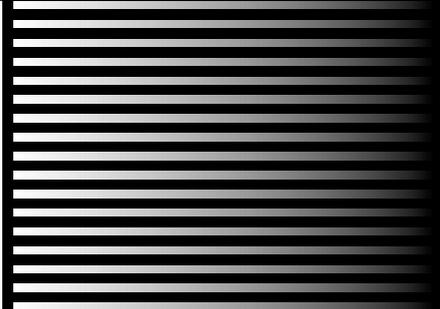


# GATHERER ROBOT R6X6

6 Axis robot for day-tanks and pot furnaces - *load capacity : 6 Kg of glass*

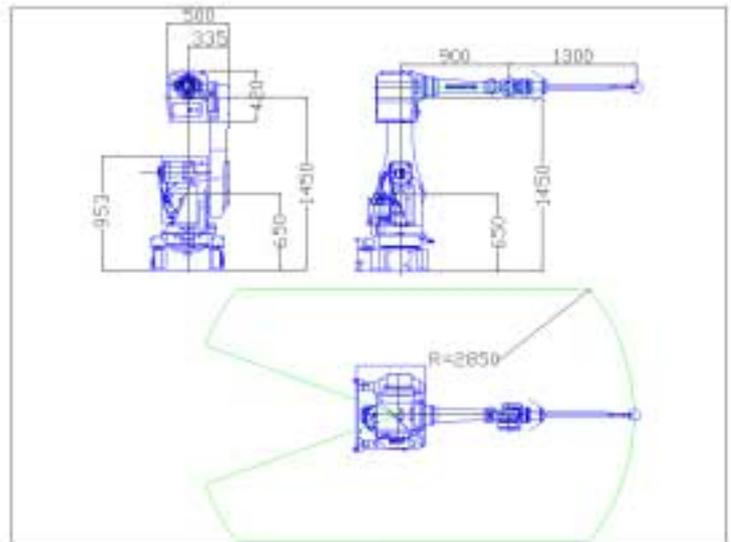
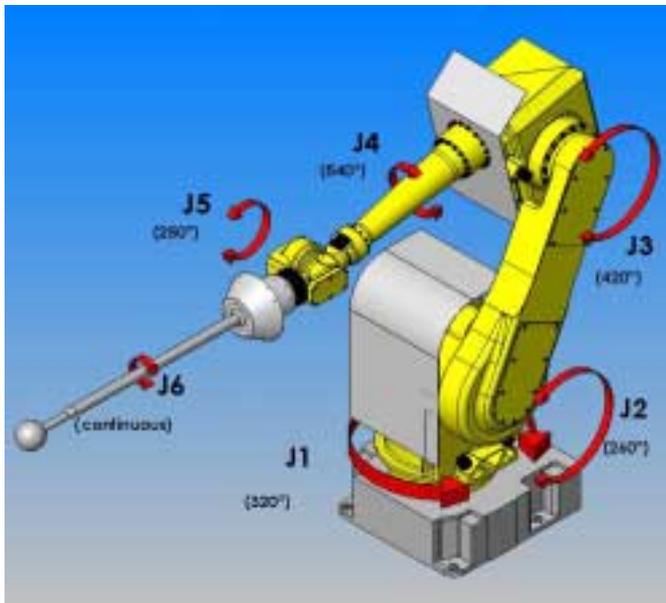
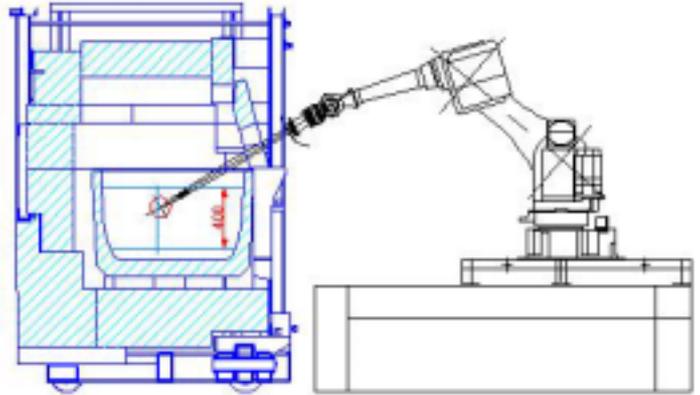


## Specifications

- 6-axis poly-articulated robot.
- Driven by air cooled brushless motors (Alternative Current without brushes) featuring strong coupling capability, light inertia and high accelerations.
- Shortened cycles time thanks to the most advanced technologies (ultra-high resolution encoders).
- Direct coupling of motors on the axis.
- Driven by Fanuc's new and powerful RJ-3iB controller.
- Programmed thanks to a user-friendly teach-pendant; backlighting LCD screen display unit.
- Possibility to store up to 100 different programs in the memory or on PCMCIA cards.
- Gathers glass up to 6 kg of glass from all type of furnaces.
- Follows down the level of glass thanks to a special software.
- Can supply glass gobs into moulds higher than the furnace glass level.
- Can feed up to 4 forming machines simultaneously.
- Gathering lance with interchangeable nose, cooled by soft water.
- Extremely reduced maintenance.

## Advantages

- Soft movements reproducing the hand-gatherer way.
- Very high speed combined with high precision.
- Simple programming method.
- No need of glass level sensor.
- Short production changes.
- Easily movable from one furnace to another.
- Gathers high quality glass gobs.
- Spare-parts in stock.
- After-sale service all over the world.



## Technical Data

| Items                     | Data                                       |                             |
|---------------------------|--|-----------------------------|
| Robot type                | Articulated type                           |                             |
| Controlled axis           | 6 axis (J1, J2, J3, J4, J5, J6)            |                             |
| Installation              | Floor mounted                              |                             |
| Motion range (max. speed) | J1 axis rotation                           | 320° - 160°/sec             |
|                           | J2 axis rotation                           | 260° - 120°/sec             |
|                           | J3 axis rotation                           | 420° - 150°/sec             |
|                           | J4 axis rotation                           | 540° - 240°/sec             |
|                           | J5 axis rotation                           | 250° - 240°/sec             |
|                           | J6 axis rotation                           | continuous - 0 to 150 r.p.m |
| Weight of glass gathered  | up to 8 kg                                 |                             |
| Operation rates           | Up to 10 pieces.minute-1                   |                             |
| Allowable torques         | J4 axis                                    | 176 N.m                     |
|                           | J5 axis                                    | 176 N.m                     |
|                           | J6 axis                                    | 98 N.m                      |
| Motors type               | Electrical servo driven by AC servo motor  |                             |
| Processor system          | Dual RISC - 64 bit                         |                             |
| Data memory               | Flash 16 MB - expandable                   |                             |
| Repeatability             | + / - 0.07 mm                              |                             |
| Robot Weight              | 400 kg                                     |                             |
| Control board weight      | 200 Kg                                     |                             |
| Environnement             | Ambient Temperature : 0-50°C               |                             |
| <b>Consumptions</b>       |  |                             |
| Robot : Power supply      | 7 KW 380V / 415V three-phases - 50 / 60 Hz |                             |
| Cooling water             | 200 liters.hour-1 at 1,5 bar               |                             |