

## Machine Specifications

## A series

## R series

|                             | Unit       | A6030               | A6040               | R6030               | R6040               |
|-----------------------------|------------|---------------------|---------------------|---------------------|---------------------|
| Table size                  | mm         | 700 x 410           | 700 x 410           | 700 x 410           | 700 x 410           |
| Max. table load             | kg         | 200                 | 250                 | 200                 | 250                 |
| X, Y, Z axis travel         | mm         | 600 x 400 x 350     | 600 x 400 x 600     | 600 x 400 x 300     | 600 x 400 x 400     |
| Table to spindle nose       | mm         | 155 ~ 505           | 150 ~ 750           | 155 ~ 455           | 140 ~ 540           |
| Spindle taper               |            | BT30                | BT40                | BT30                | BT40                |
| Pull stud                   |            | MAS403 P30T-1 (45°) | MAS403 P40T-1 (45°) | MAS403 P30T-1 (45°) | MAS403 P40T-1 (45°) |
| Spindle motor               | Mitsubishi | kw                  | 5.5 / 3.7           | 5.5 / 3.7           | 7.5 / 5.5           |
|                             | Fanuc      | kw                  | 3.7 / 2.2           | 3.7 / 2.2           | 7.5 / 5.5           |
|                             | SIEMENS    | kw                  | 5.6 / 3.7           | 10.5 / 7.0          | 10.5 / 7.0          |
| X drive motor               | Mitsubishi | kw                  | 1.5                 | 1.5                 | 1.5                 |
|                             | Fanuc      | kw                  | 1.6                 | 1.6                 | 1.6                 |
|                             | SIEMENS    | kw                  | 2.3                 | 2.3                 | 2.3                 |
| Y drive motor               | Mitsubishi | kw                  | 1.5                 | 1.5                 | 1.5                 |
|                             | Fanuc      | kw                  | 1.6                 | 1.6                 | 1.6                 |
|                             | SIEMENS    | kw                  | 2.3                 | 2.3                 | 2.3                 |
| Z drive motor               | Mitsubishi | kw                  | 3.0                 | 3.0                 | 3.0                 |
|                             | Fanuc      | kw                  | 3.0                 | 3.0                 | 3.0                 |
|                             | SIEMENS    | kw                  | 3.3                 | 3.3                 | 3.3                 |
| Spindle speeds              | rpm        | 10000               | 8000                | 10000               | 8000                |
| X, Y, Z axis rapid traverse | m/min      | 48 / 48 / 60        | 48 / 48 / 48        | 48 / 48 / 60        | 48 / 48 / 48        |
| Magazine capacity           | no.        | 20+1                | 24+1                | 14 / 20 (OP)        | 14                  |
| Max. tool weight            | kg         | 4                   | 5                   | 3                   | 3                   |
| Max. tool length            | mm         | 200                 | 250                 | 200                 | 250                 |
| ATC time (T-T)              | sec        | 2.2                 | 2.2                 | 1.7 / F2.6          | 2.2 / F3.2          |
| Net weight                  | kg         | 3200                | 3700                | 3100                | 3550                |
| Floor space                 | mm         | 1700 x 2750 x 2360  | 1800 x 2750 x 2785  | 1700 x 2720 x 2500  | 1700 x 2750 x 2940  |

## Controller Specifications

O : Standard OP : Option

|                            | Mitsubishi   | FANUC           | Siemens                     |                                                   | Mitsubishi   | FANUC    | Siemens  |
|----------------------------|--------------|-----------------|-----------------------------|---------------------------------------------------|--------------|----------|----------|
| Max. Simultaneous Axis     | 4            | 4               | 4                           | Multi-language display                            | O            | O        | O        |
| Standard Controlled Axis   | 3            | 3               | 3                           | ABS servo motor                                   | O            | O        | O        |
| Program Storage Length     | 500kb        | 512kb           | 3M                          | Tool length compensation                          | O            | O        | O        |
| Work Piece Coordinates     | 54           | 54              | 100                         | Tool path compensation                            | O            | O        | O        |
| Max. Variable Number       | 700          | 600             | 300                         | On-screen drafting                                | O            | O        | O        |
| Tool Offset Pairs          | 400          | 400             | 128/256                     | High speed data server & ethernet                 | O            | OP       | O        |
| Conversational Programming | NAVI         | Manual guide Oi | Program Guide Shopmill (OP) | High speed & high accuracy machining control mode | G05P10000    | G05.1 Q1 | Cycle832 |
| Monitor                    | 8.4" TFT LCD | 10.4" LCD       |                             | Interface                                         | RS232 / RJ45 |          | RJ45     |
|                            |              |                 |                             | Memory card input / output                        | O            | O        | O        |

★ Tool change time supplied with standard 60Hz power.  
For electrical requirements other than this standard, please contact one of our personnel.

## Standard Accessories

- Auto Lubrication system
- Tool coolant system
- Direct drive spindle system
- Spindle air blow system
- Dual electric chucks (Heat insulated)
- Work light
- Triple-color alarm light
- TFT LCD
- Toolbox and tools
- Leveling bolts and pads

## Optional Accessories

- Servo ATC (R6030/R6040)
- MITSUBISHI M80-A/G05 P200000
- Spindle speed
  - BT30: 12000/15000/20000/24000 rpm
  - BT40: 12000/15000
- High speed spindle (With spindle oil cooling system)
- Coolant through spindle (CTS)
- Full enclosed splash guard (Top Cover)
- Transformer/Stabilizer
- The 4th axis (CNC Rotary Table)
- The 5th axis (CNC Tilting Rotary Table)
- Chip conveyor with cart
- CTS filtration
- Oil/water partition

★ The company reserves the right to modify the specifications / design, subject to change without further notice. Actual specifications, based on order content.