

A series 5630 / 7030 / 5640 / 7040

DIRECT DRIVE SPINDLE ■ HIGH SPEED 3 AXES RAPID TRAVERSE ■ HIGH RESPONSE SERVO SYSTEM

MACHINE SPECIFICATIONS

CONTROLLER SPECIFICATIONS

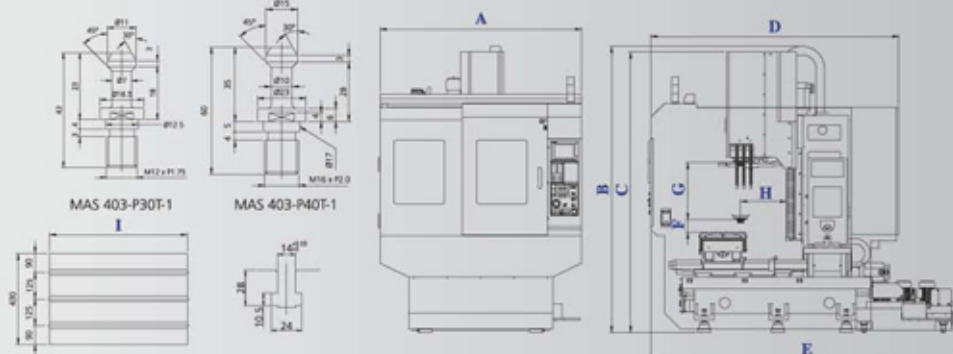
| Unit | | A5630 | A7030 | A5640 | A7040 | |
|---|------------|---------------------|--------------|---------------------|--------------|-----|
| Table size | mm | 650x430 | 800x430 | 650x430 | 800x430 | |
| Max. table load | kg | 250 | 250 | 250 | 250 | |
| X, Y, Z axis travel | mm | 560x400x350 | 700x400x350 | 560x400x550 | 700x400x550 | |
| Table to spindle nose | mm | 180~530 | 180~530 | 120~670 | 120~670 | |
| Spindle taper | | BT30 | BT30 | BT40 | BT40 | |
| Pull stud | | MAS403 P30T-1 (45°) | | MAS403 P40T-1 (45°) | | |
| Spindle motor | Mitsubishi | kW | 5.5 | 5.5 | 7.5 | 7.5 |
| | FANUC | kW | 5.5 | 5.5 | 7.5 | 7.5 |
| X drive motor | Mitsubishi | kW | 1.5 | 1.5 | 1.5 | 1.5 |
| | FANUC | kW | 1.6 | 1.6 | 1.6 | 1.6 |
| Y drive motor | Mitsubishi | kW | 3.5 | 3.5 | 3.5 | 3.5 |
| | FANUC | kW | 3.0 | 3.0 | 3.0 | 3.0 |
| Z drive motor | Mitsubishi | kW | 3.5 | 3.5 | 3.5 | 3.5 |
| | FANUC | kW | 4.0 | 4.0 | 4.0 | 4.0 |
| Spindle speeds | rpm | 60~10000 | 60~10000 | 60~8000 | 60~8000 | |
| X, Y, Z axis rapid traverse | m/min | 48 / 48 / 60 | 48 / 48 / 60 | 48 / 48 / 48 | 48 / 48 / 48 | |
| Magazine capacity | | 20 | 20 | 24 | 24 | |
| Max. tool weight | kg | 4 | 4 | 5 | 5 | |
| Max. tool length | mm | 200 | 200 | 250 | 250 | |
| ATC time | sec | 1.6 (T-T) | 1.6 (T-T) | 2.0 (T-T) | 2.0 (T-T) | |
| | sec | 3.0 (C-C) | 3.0 (C-C) | 4.6 (C-C) | 4.6 (C-C) | |
| Net weight | kg | 3720 | 3810 | 3920 | 3980 | |
| Shop space required (Please see the following machine dimensions) | | | | | Unit : mm | |

| | Mitsubishi | FANUC |
|---|--------------|-----------------|
| | M70-B | 0iMD |
| Max. controlled axis | 4 | 4 |
| Max. simultaneous axis | 4 | 4 |
| Standard controlled axis | 3 | 3 |
| Program storage length | 1200m | 1280m |
| Work piece coordinates | 54 | 54 |
| Macro common variables | 400 | 700 |
| Tool offset pairs | 400 | 400 |
| Conversational programming | NAVI | Manual guide Oi |
| Monitor | 8.4" TFT LCD | |
| Multi-language display | O | O |
| ABS servo motor | O | O |
| Tool length compensation | O | O |
| Tool path compensation | O | O |
| On-screen drafting | O | O |
| High speed data server & ethernet | O | OP |
| High speed & high accuracy machining control mode | G05.1 Q1 | |
| Interface | RS232 / RJ45 | RS232 |
| Memory card input / output | O | O |

O: Standard OP: Option

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

MACHINE DIMENSIONS



| | A5630 | A7030 | A5640 | A7040 |
|---|-------|-------|-------|-------|
| A | 1700 | 1900 | 1900 | 1900 |
| B | 2465 | 2465 | 2700 | 2700 |
| C | 2415 | 2415 | 2650 | 2650 |
| D | 2340 | 2340 | 2340 | 2340 |
| E | 2910 | 2910 | 2910 | 2910 |
| F | 180 | 180 | 120 | 120 |
| G | 350 | 350 | 550 | 550 |
| H | 430 | 430 | 430 | 430 |
| I | 650 | 800 | 650 | 800 |

STANDARD ACCESSORIES

OPTIONAL ACCESSORIES

- Toolbox and tools
- Auto. lubrication system
- Spindle air blow system
- Leveling bolts and pads
- Direct drive spindle system
- Dual-color alarm light
- Dual electric cases. (Heat insulated)
- Auto. surround chip purging system
- High speed arm type tool change system
- Tool coolant system
- Work light
- TFT LCD

- Transformer / stabilizer
- Work piece air blow system
- 12,000rpm(BT40) / 15,000rpm(BT30) High speed spindle (With spindle oil cooling system)
- Auto. tool length measurement
- Damaged cutting tool sensor
- The 4th axis (NC indexing table)
- Coolant through spindle (CTS)
- Full enclosed splash guard (Top cover)

- Chip conveyor with cart
- High speed & high accuracy machining control mode G05 P10000 (Mitsubishi M70-A)
- Oil / water partition
- Oil mist collector
- Air gun
- Water gun
- Auto. door
- CTS filtration
- CE

* ARES-SEIKI reserves the right to change the specifications of it's machines as technology develops without prior notice.

