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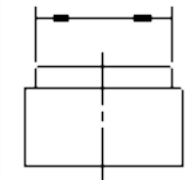
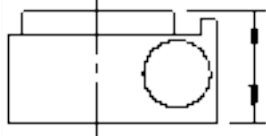
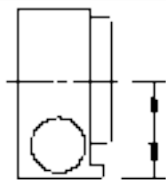
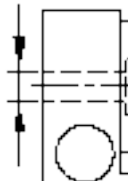
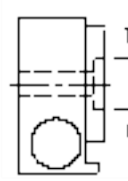
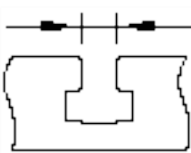
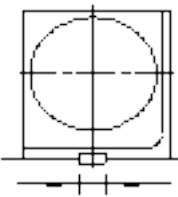
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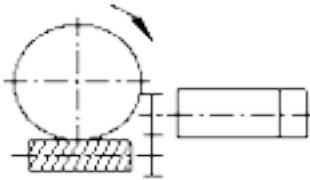
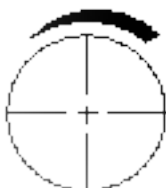
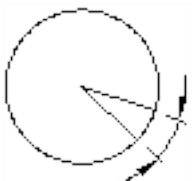
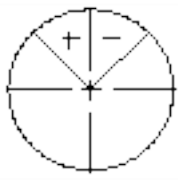
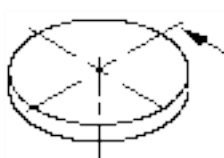
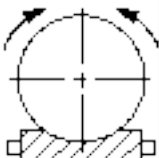
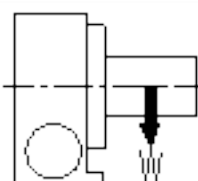
MNC Series/ CNC Rotary Table

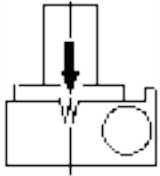
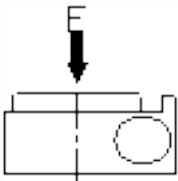
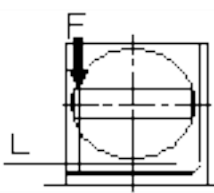
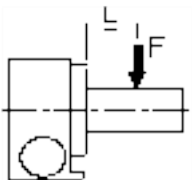
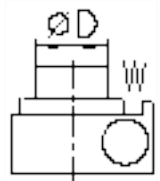
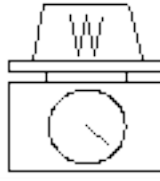


Product Feature

- 1.High accuracy, high rigidity, and with a big through hole.
- 2.Capable of 4 axis simultaneous machining with machine tools.
- 3.Capable of single shaft control with single axis controller.
- 4.Available for horizontal and vertical using.

| Model<br>Item                |                                                                                       | Unit | MNC-<br>130 | MNC-<br>172 | MNC-<br>200 | MNC-<br>221 | MNC-<br>251 | MNC-<br>321 | MNC-<br>401 | MNC-<br>500 | MNC-<br>503 | MNC-<br>631 | MNC-<br>800 | MNC-<br>1000 | MNC-<br>1200 |
|------------------------------|---------------------------------------------------------------------------------------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Table Diameter               |     | mm   | Φ130        | Φ170        | Φ200        | Φ220        | Φ250        | Φ320        | Φ400        | Φ500        | Φ500        | Φ630        | Φ800        | Φ1000        | Φ1200        |
| Overall Height in Horizontal |     | mm   | 153         | 175         | 175         | 205         | 210         | 230         | 250         | 240         | 275         | 330         | 360         | 439          | 550          |
| Center Height in Vertical    |    | mm   | 105         | 135         | 160         | 160         | 190         | 230         | 280         | 310         | 310         | 420         | 480         | 650          | 700          |
| Through Hole Diameter        |   | mm   | Φ37         | Φ45         | Φ45         | Φ64         | Φ64         | Φ90         | Φ170        | Φ210        | Φ254        | Φ206        | Φ190        | Φ356         | Φ440         |
| Spindle Hole Diameter        |  | mm   | Φ30H7       | Φ45H7       | Φ45H7       | Φ64H7       | Φ64H7       | Φ90H7       | Φ220H<br>7  | Φ245H<br>7  | Φ300H<br>7  | Φ285H<br>7  | Φ285H<br>7  | Φ400H<br>7   | Φ600H<br>7   |
| Width of T-slot              |   | mm   | 10H7        | 12H7        | 12H7        | 12H7        | 12H7        | 14H7        | 14H7        | 18H7        | 18H7        | 18H7        | 22H7        | 22H7         | 22H7         |
| Width of Guide Block         |  | mm   | 18H7        | 18H7        | 18H7        | 18H7        | 18H7        | 18H7        | 18H7        | 18H7        | 18H7        | 22H7        | 22H7        | 22H7         | 22H7         |
| Servo Motor (Option)         | FANUC                                                                                 |      | αiF2        | αiF4        | αiF4        | αiF4        | αiF8        | αiF12       | αiF12       | αiF12       | αiF12       | αiF22       | αiF22       | αiF22        | αiF30        |
|                              | MELDAS                                                                                |      | HF-<br>75T  | HF-<br>104S | HF-<br>104S | HF-<br>104T | HF-<br>154T | HF-<br>204S | HF-<br>204S | HF-<br>204S | HF-<br>204S | HF-<br>354S | HF-<br>453S | HF-<br>453S  | HF-<br>703S  |

|                                                    |           |                              | SIEMENS                                                                               |             | 1FK70<br>42 | 1FK70<br>60 | 1FK70<br>60 | 1FK70<br>60  | 1FK70<br>63  | 1FK70<br>83  | 1FK70<br>83  | 1FK70<br>83  | 1FK70<br>83  | 1FK710<br>1   | 1FK710<br>1    | 1FK71<br>03    | 1FK710<br>5    |
|----------------------------------------------------|-----------|------------------------------|---------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|----------------|
|                                                    |           |                              | HEIDENHAIN                                                                            |             | QSY9<br>6A  | QSY11<br>6C | QSY11<br>6C | QSY11<br>6C  | QSY11<br>6E  | QSY15<br>5B  | QSY15<br>5B  | QSY15<br>5B  | QSY15<br>5B  | QSY15<br>5D   | QSY15<br>5D    | QSY19<br>0C    | QSY19<br>0D    |
| Total Reduction Ratio                              |           |                              |     |             | 1 : 45      | 1 : 60      | 1 : 60      | 1 : 90       | 1 : 120      | 1 : 120      | 1 : 180      | 1 : 180      | 1 : 180      | 1 : 180       | 1 : 180        | 1 : 360        | 1 : 720        |
| Max. Rotation Speed<br>Motor 2000min <sup>-1</sup> |           |                              |    | r.p.<br>m.  | 44.4        | 33.3        | 33.3        | 22.2         | 16.6         | 16.6         | 11.1         | 11.1         | 11.1         | 11.1          | 11.1           | 5.5            | 2.7            |
| Min. Increment                                     |           |                              |     | deg.        | 0.001       | 0.001       | 0.001       | 0.01         | 0.001        | 0.001        | 0.001        | 0.001        | 0.001        | 0.001         | 0.001          | 0.001          | 0.001          |
| Indexing Accuracy                                  |           |                              |   | arc-<br>sec | 60          | 20          | 20          | 20           | 20           | 20           | 20           | 15           | 15           | 15            | 15             | 15             | 15             |
| Repeatability Accuracy                             |           |                              |                                                                                       | arc-<br>sec | 6           | 6           | 6           | 6            | 6            | 6            | 6            | 6            | 6            | 6             | 6              | 6              | 6              |
| Clamping Torque                                    | Pneumatic | 6 kg/cm <sup>2</sup>         |   | kgf-<br>m   | 10          | 15          | 15          | 30           | 30           | 53           | -            | -            | -            | -             | -              | -              | -              |
|                                                    | Hydraulic | 35~50 kg/cm <sup>2</sup>     |                                                                                       |             | -           | 44          | 44          | 90           | 90           | 153          | 200          | 350          | 350          | 475           | 600            | 800            | 1200           |
| Driving Torque                                     |           |                              |  | kgf-<br>m   | 10          | 20          | 20          | 25           | 25           | 80           | 170          | 255          | 255          | 450           | 480            | 550            | 640            |
| Max. Work Load                                     |           | Vertical<br>( ):W/ Tailstock |   | kg          | 35<br>(70)  | 75<br>(150) | 75<br>(150) | 100<br>(200) | 125<br>(250) | 175<br>(350) | 300<br>(500) | 350<br>(600) | 350<br>(600) | 450<br>(1000) | 1000<br>(2000) | 1500<br>(3500) | 2000<br>(5000) |

|                             |                             |                                                                                       |       |      |      |      |      |      |      |      |       |       |       |      |       |      |
|-----------------------------|-----------------------------|---------------------------------------------------------------------------------------|-------|------|------|------|------|------|------|------|-------|-------|-------|------|-------|------|
|                             | Horizontal                  |    | kg    | 70   | 150  | 150  | 200  | 250  | 350  | 500  | 600   | 600   | 1000  | 2000 | 3500  | 5000 |
| Allowable Load<br>(Clamped) | F                           |    | kgf   | 600  | 1000 | 1000 | 1100 | 1100 | 2450 | 3500 | 4000  | 4000  | 4500  | 4500 | 5000  | 5000 |
|                             | F×L                         |     | kgf-m | 10   | 44   | 44   | 90   | 90   | 153  | 200  | 350   | 350   | 475   | 600  | 800   | 1200 |
|                             | F×L                         |     | kgf-m | 16   | 70   | 70   | 140  | 140  | 240  | 320  | 560   | 560   | 640   | 690  | 1280  | 1920 |
| Allowable Work Inertia      | $J = \frac{W \cdot D^2}{8}$ |  | kg-m² | 0.14 | 0.54 | 0.75 | 1.21 | 1.95 | 4.48 | 10   | 18.75 | 18.75 | 49.61 | 160  | 437.5 | 900  |
| N.W.                        |                             |  | kg    | 30   | 50   | 60   | 86.5 | 93   | 170  | 275  | 340   | 340   | 720   | 1200 | 1750  | 2100 |

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