

## HNK(한국정밀) Double Columns 5-Face Machining Center Technical Specification

|    | Description                   |                 | SPEC                       | Remark      |
|----|-------------------------------|-----------------|----------------------------|-------------|
| 1  | Origin Maker                  |                 | HNK(한국정밀)                  |             |
| 2  | Year of Manufacturing         |                 | 2014.10                    |             |
| 3  | Model                         |                 | HPM-30M                    |             |
| 4  | Serial No.                    |                 | 14267                      |             |
| 5  | CNC Control                   |                 | Fanuc 31i-Model B          |             |
| 6  | Distance Between Columns      |                 | 4,000 mm                   | 통과폭         |
| 7  | Distance Table to Ram Face    |                 | 3,550 mm                   | 통과높이        |
| 8  | Table                         | Size (W x L)    | 3,000 x 10,300 mm          |             |
|    |                               | Max. Table Load | 50 Ton                     |             |
| 9  | Stroke                        | X-Axis          | 10,250 mm                  |             |
|    |                               | Y-Axis          | 5,000 mm                   |             |
|    |                               | Z-Axis          | 1,000 mm                   | Ram         |
|    |                               | W-Axis          | 2,500 mm                   | Crossrail   |
| 10 | Ram Size (Z-Axis)             |                 | □ 400 x 400 mm             |             |
| 11 | Spindle Speed / Taper / Power |                 | 2,500 RPM / BT-50 / 37 Kw  |             |
| 12 | ATC (Auto Tool Changer)       |                 | 90 Tools                   |             |
| 13 | AAC (Auto Angle-Head Changer) |                 | 2 EA                       |             |
| 14 | Rapid                         | X & Y / Z & W   | 10,000 / 3,000 mm/min      |             |
| 15 | Feed                          | X & Y / Z & W   | 3,600 / 3,000 mm/min       |             |
| 16 | Machine Dimension             | L x W x H       | 36,500 x 11,484 x 9,100 mm | H=Above F/L |
| 17 | Machine Weight                |                 | 172 Tons                   |             |

### Additional Equipments ;

|   |                                       |                                                 |  |
|---|---------------------------------------|-------------------------------------------------|--|
| 1 | (3) x AAC Units                       | (1) x Extension Head. (L=600mm)                 |  |
|   |                                       | (1) x 90° Right Angle Head. (L=350mm, Index=5°) |  |
| 2 | Chip Conveyors                        |                                                 |  |
| 3 | Hydraulic Pump & Coolant System       |                                                 |  |
| 4 | Coolant Through Spindle 30 BAR        |                                                 |  |
| 5 | External Coolant Unit.                |                                                 |  |
| 6 | 4-Axis Linea Scales.                  |                                                 |  |
| 7 | All Drawing & Manuals & Leveling Pads |                                                 |  |

