

# HaiSEN

CNC MACHINERY

## SLOVENIA



- TURNING CENTER · CNC LATHE · VERTICAL LATHE
- SWISS TYPE CNC LATHE · CNC PIPE THREADING LATHE
- VERTICAL MACHINING CENTER
- HORIZONTAL MACHINING CENTER
- GANTRY MACHINING CENTER

2025

WELCOME TO HAISEN MACHINERY

tel 00386 (0)41 622 259

info@ruglitech.com

www.ruglitech.com

## COMPANY PROFILE



Since its establishment in 1998, Haisen Group has stood out in the mechanical manufacturing industry with cutting-edge technology, world-class quality and customer-centric service, becoming a trustworthy cooperative partner of global clients.



**5**

5 Premium manufacturing bases in China



**80+**

Global 80+ countries export serving



**60000m<sup>2</sup>**

Over 60,000 m<sup>2</sup> manufacturing area



**1000+**

1000+ Strategic collaboration enterprises



**100+**

Professional team with 100+ advanced engineers



With superior-quality products, Haisen Group has successfully expanded its global market across Russia, Kazakhstan, Ukraine, America, Britain, Australia, Colombia, Brazil, Argentina, Peru, Turkey, Israel, Vietnam, Malaysia, Africa and beyond. Haisen has gained valuable industry experience in different regions and continuously optimized product design to better meet the diverse production requirements worldwide. Whether it is precision manufacturing pursuit of Europe or high-end industrial standards in the other emerging countries, Haisen can all precisely deliver what they need.



Haisen has headquarter in Dalian, China, a beautiful industrial coastal city. For decades, Haisen steadfastly committed to the high precision machinery manufacturing excellence. From complex components to large-scale industry production, Haisen can deliver tailored solutions. Until now, we have 5 manufacturing bases in China:

- Dalian: CNC/DRO Vertical Lathe
- Linyi, Shandong: Pipe Thread Lathe/CNC Lathe
- Tengzhou, Shandong: Vertical/Horizontal/Gantry Machining Center
- Liaocheng, Shandong: Swiss-Type CNC Lathe
- Ningbo, Zhejiang: High Speed CNC Lathe



Looking to the future, Haisen Group will persist in the vision of "the best service, the continuous innovation, the highest quality". We are determined to shine on the global machinery stage, create a brilliant future with more partners, and promote the global industrial development. If you choose Haisen, you choose reliability, efficiency, and win-win partnership.

**HAISEN GROUP WILL PROCEED WITH YOU ALL ALONG THE WAY!**

## DEVELOPMENT HISTORY



**1998**

VERTICAL LATHE  
FACTORY

**2003**

PIPE THREADING  
LATHE FACTORY

**2008**

TURNING CENTER  
FACTORY



2011

SWISS TYPE  
LATHE FACTORY

2015

MACHINING CENTER  
FACTORY

2024

HAISEN TECHNICAL  
SERVICE CENTER

PREVIOUS TRADING COUNTRIES





# TECHNICAL SERVICE CENTER

## IN MOSCOW





We set up a technical service center in Russia in 2024. we will continuously establish more centers around the world to make the after-sales service more professional and faster, satisfying every customer who purchased our machines.

TURNING CENTER

FANUC

SIEMENS



CUSTOMIZED AUTOMATIC SOLUTIONS

- Bar Feeder + Automatic Receiver
- Gantry Manipulator
- Robot

PRODUCT PARAMETER

| Parameters                             | T3638                                         | T4632     | ST3630-€                                   | ST3630          | ST4640          |
|----------------------------------------|-----------------------------------------------|-----------|--------------------------------------------|-----------------|-----------------|
| Configuration                          | Precise CNC Lathe with Flat Bed in Gang Tools |           | Precise CNC Lathe with Slant in Gang Tools |                 |                 |
| Max Dia. Swing over Bed (mm)           | 360                                           | 600       | 420                                        | 350             | 600             |
| Max Processing Dia. (mm)               | 100                                           | 260       | 100                                        | 160             | 320             |
| Max Processing Length (mm)             | 380                                           | 320       | 300                                        | 280             | 400             |
| Y-Axis Travel (mm)                     | —                                             | ±120      | —                                          | —               | —               |
| Spindle End Size (n/a)                 | A2-5                                          | A2-5      | A2-5                                       | A2-5            | A2-5            |
| Hydraulic Chuck Size (inch)            | 36 Collet                                     | 46 Collet | 36 Collet                                  | 36 Collet       | 46 Collet       |
| Spindle Inner Hole Dia. (mm)           | 48                                            | 56        | 48                                         | 48              | 56              |
| Max Bar Capacity (mm)                  | 34                                            | 44        | 34                                         | 34              | 44              |
| Main Motor Power (kw)                  | 8.5                                           | 13.4      | 5.5                                        | 10.8            | 13.4            |
| Max Spindle Speed (r/min)              | 6000                                          | 5000      | 3500                                       | 5000            | 5000            |
| Tool Holder Number (pcs)               | 5                                             | 4         | 5                                          | 5               | 5               |
| Turret Station Number (station)        | —                                             | 8T        | Optional 8T/12T                            | Optional 8T/12T | Optional 8T/12T |
| X/Z Repeated Positioning Accuracy (mm) | 0.003                                         | 0.003     | 0.005                                      | 0.003           | 0.003           |



| HTC0630                                         | HTC0650 | HTC0830 | HTC0850 | HTC0850E | ST4620                                |
|-------------------------------------------------|---------|---------|---------|----------|---------------------------------------|
| Precise CNC Servo Turret Machine With Slant Bed |         |         |         |          | Double Spindle Double Gang Type Tools |
| 600                                             | 600     | 600     | 600     | 600      | 500                                   |
| 320                                             | 320     | 320     | 320     | 320      | 160                                   |
| 300                                             | 500     | 300     | 500     | 500      | 120                                   |
| —                                               | —       | —       | —       | —        | —                                     |
| A2-5                                            | A2-5    | A2-6    | A2-6    | A2-6     | A2-5/A2-5                             |
| 6′                                              | 6′      | 8′      | 8′      | 8′       | 46 Collet                             |
| 56                                              | 56      | 66      | 66      | 66       | 56/56                                 |
| 44                                              | 44      | 50      | 50      | 50       | 44/44                                 |
| 13.4                                            | 13.4    | 15      | 15      | 11       | 13.4/13.4                             |
| 5000                                            | 5000    | 5000    | 5000    | 3000     | 5000/5000                             |
| 4                                               | 4       | 4       | 4       | 4        | 10                                    |
| 8T                                              | 8T      | 8T      | 8T      | 8T       | —                                     |
| 0.003                                           | 0.003   | 0.003   | 0.003   | 0.005    | 0.003                                 |

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SYNTEC  
TECHNOLOGY CO.,LTD.

CUSTOMIZED AUTOMATIC SOLUTIONS

- Bar Feeder + Automatic Receiver
- Gantry Manipulator
- Robot

PRODUCT PARAMETER

| Parameters                             | HTD0642                                         | HTD0842   | HTD0850   | HTY4630                                      | HTY0625   |
|----------------------------------------|-------------------------------------------------|-----------|-----------|----------------------------------------------|-----------|
| Configuration                          | Precise CNC Power Turret Machine with Slant Bed |           |           | Precise CNC Power Turret Machine with Y Axis |           |
| Max Dia. Swing Over Bed (mm)           | 600                                             | 600       | 600       | 600                                          | 600       |
| Max Processing Dia. (mm)               | 320                                             | 320       | 360       | 320                                          | 320       |
| Max Processing Length (mm)             | 420                                             | 420       | 500       | 300                                          | 250       |
| Y-Axis Travel (mm)                     | —                                               | —         | —         | ±45                                          | ±35       |
| Spindle End Size (n/a)                 | A2-5                                            | A2-6      | A2-6      | A2-5                                         | A2-5      |
| Hydraulic Chuck Size (inch)            | 6'                                              | 8'        | 8'        | 6'                                           | 6'        |
| Spindle Inner Hole Dia. (mm)           | 56                                              | 66        | 66        | 56                                           | 56        |
| Max Bar Capacity (mm)                  | 44                                              | 50        | 50        | 44                                           | 44        |
| Main Motor Power (kw)                  | 13.4                                            | 15        | 15        | 13.4                                         | 13.4      |
| Max Spindle Speed (r/min)              | 5000                                            | 4000      | 4000      | 5000                                         | 5000      |
| Tool Holder Number (pcs)               | 6                                               | 6         | 6         | 6                                            | 6         |
| Turret Station Number (station)        | BMT55-12T                                       | BMT55-12T | BMT55-12T | BMT45-15T                                    | BMT40-15T |
| X/Z Repeated Positioning Accuracy (mm) | 0.003                                           | 0.003     | 0.003     | 0.003                                        | 0.003     |



| HTY0642                                      | HTY0842   | HTY0840           | HSTY0835          | HSTY0850H-S       | HSTY0820               |
|----------------------------------------------|-----------|-------------------|-------------------|-------------------|------------------------|
| Precise CNC Power Turret Machine with Y Axis |           | Interpolation Y   |                   |                   |                        |
| 600                                          | 600       | 520               | 600               | 600               | 320                    |
| 320                                          | 320       | 320               | 400               | 400               | 220                    |
| 420                                          | 420       | 400               | 350               | 500               | 200                    |
| ±35                                          | ±45       | ±55               | ±55               | ±55               | ±55                    |
| A2-5                                         | A2-6      | A2-6              | A2-6/A2-5         | A2-6/A2-5         | A2-6/A2-5              |
| 6'                                           | 8'        | 8'                | 8' /6'            | 8' /6'            | 8' /6'                 |
| 56                                           | 66        | 66                | 66/56             | 66/56             | 66/56                  |
| 44                                           | 50        | 50                | 50/44             | 50/44             | 50/44                  |
| 13.4                                         | 15        | 15                | 15/13.4           | 15/13.4           | 15/13.4                |
| 5000                                         | 4000      | 4000              | 4000/5000         | 4000/5000         | 4000/5000              |
| 6                                            | 6         | 6                 | 6                 | 6                 | 12                     |
| BMT40-15T                                    | BMT45-15T | BMT55-12T         | BMT55-12T         | BMT55-12T         | BMT55-12T<br>BMT45-15T |
| 0.003                                        | 0.003     | 0.005/0.005/0.003 | 0.005/0.005/0.003 | 0.005/0.005/0.003 | 0.005/0.005/0.003      |

SWISS TYPE CNC LATHE

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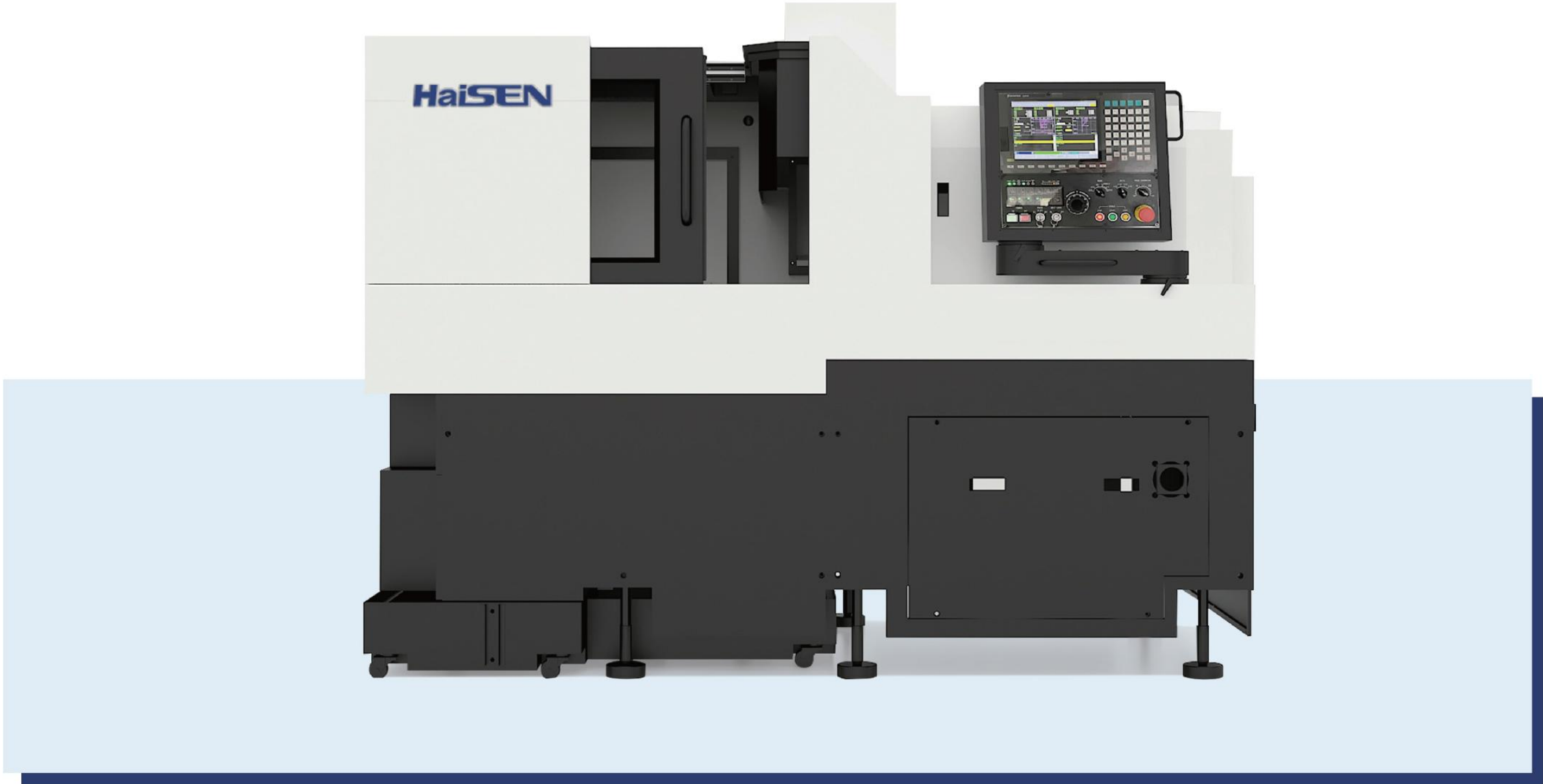
BAR FEEDER



We can recommend you the most suitable model according to your drawings.

PRODUCT PARAMETER

| Parameters                         | M125             |                              | M164             |                  | M203             |                  |
|------------------------------------|------------------|------------------------------|------------------|------------------|------------------|------------------|
| CNC System                         | SYNTEC 220TB     | FANUC                        | SYNTEC 22TB      | FANUC            | SYNTEC 220TB     | FANUC            |
| Max Machining Dia. (mm)            | 12               | 12                           | 16               | 16               | 20               | 20               |
| Spindle Travel (mm)                | 130/2.5D         | 80/2.5D                      | 150              | 150              | 230              | 230              |
| Main Spindle Speed (rpm)           | 8000             | 10000                        | 8000             | 10000            | 8000             | 10000            |
| Sub Spindle Speed (rpm)            | 8000             | 10000                        | 6000             | 8000             | /                | /                |
| Radial Live Tool Speed (rpm)       | 5000             | 4000                         | 5000             | 5000             | 5000             | 5000             |
| Drilling Dia. (mm)                 | Φ7               | Φ8                           | Φ10              | Φ10              | Φ10              | Φ10              |
| Front/Back Max Tapping             | M6/M6            | M6/M6                        | M8/M5            | M8/M5            | M8/Front         | M8/Front         |
| Radial Live Tool Drilling (mm)     | Φ6               | Φ6                           | Φ10              | Φ10              | Φ10              | Φ10              |
| Radial Live Tool Tapping Dia. (mm) | M5               | M5                           | M5               | M5               | M6               | M6               |
| Outer Dia. Tools Holders           | 5pcs* [□12×12]   | 6pcs* [□10×10]               | 6pcs* [□12×12]   | 6pcs* [□12×12]   | 6pcs* [□12×12]   | 6pcs* [□12×12]   |
| Inner Dia. Tools Holders           | 4pcs* [Φ20-ER16] | 4pcs* [Φ20-ER16]             | 3pcs* [Φ25-ER16] | 3pcs* [Φ25-ER16] | 5pcs* [Φ25-ER16] | 5pcs* [Φ25-ER16] |
| Radial Live Tool Holders           | 4pcs* [ER16]     | 1pcs* [ER16]<br>3pcs* [ER11] | 3pcs* [ER16]     | 3pcs* [ER16]     | 4pcs* [ER16]     | 4pcs* [ER16]     |
| Back Tools Holders for Sub Spindle | 4pcs* [ER16]     | 4pcs* [ER16]                 | /                | /                | 4pcs* [ER16]     | 4pcs* [ER16]     |
| Main Spindle Motor (kw)            | 1.5/2.2          | 2.2/3.7                      | 3.9              | 2.2/3.7          | 3.9              | 2.2/3.7          |
| Sub Spindle Motor (kw)             | 1.5/2.2          | 2.2/3.7                      | 0.75             | 0.55/1.1         | —                | —                |
| Weight (kg)                        | 1900             | 1900                         | 3000             | 3000             | 2800             | 2800             |



| M205                    |                         | M206                    |                         | M265                                |                                     |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------------|-------------------------------------|
| SYNTEC 220TB            | FANUC                   | SYNTEC 220TB            | FANUC                   | SYNTEC 220TB                        | FANUC                               |
| 20                      | 20                      | 20                      | 20                      | 26                                  | 26                                  |
| 210/2.5D                | 230/2.5D                | 210/2.5D                | 230/2.5D                | 210/2.5D                            | 230/2.5D                            |
| 10000                   | 10000                   | 10000                   | 10000                   | 10000                               | 10000                               |
| 10000                   | 8000                    | 10000                   | 8000                    | 10000                               | 8000                                |
| 5000                    | 5000                    | 5000                    | 5000                    | 5000                                | 5000                                |
| Φ 10                    | Φ 10                    | Φ 10                    | Φ 10                    | Φ 10                                | Φ 10                                |
| M8/M6                   | M8/M6                   | M8/M6                   | M8/M6                   | M8/M6                               | M8/M6                               |
| Φ 10                    | Φ 10                    | Φ 10                    | Φ 10                    | Φ 10                                | Φ 10                                |
| M6(Steel)<br>M8(Copper) | M6(Steel)<br>M8(Copper) | M6(Steel)<br>M8(Copper) | M6(Steel)<br>M8(Copper) | M6(Steel)<br>M8(Copper)             | M6(Steel)<br>M8(Copper)             |
| 6pcs* [□ 12×12]         | 6pcs* [□ 12×12]         | 6pcs* [□ 12×12]         | 6pcs* [□ 12×12]         | 1pcs* [□ 16×16]+<br>5pcs* [□ 12×12] | 1pcs* [□ 16×16]+<br>5pcs* [□ 12×12] |
| 5pcs* [Φ 25-ER16]       | 5pcs* [Φ 25-ER16]       | 5pcs* [Φ 25-ER16]       | 5pcs* [Φ 25-ER16]       | 5pcs*[Φ 25-ER16]                    | 5pcs* [Φ 25-ER16]                   |
| 4pcs* [ER16]            | 4pcs* [ER16]            | 4pcs* [ER16]            | 4pcs* [ER16]            | 4pcs* [ER16]                        | 4pcs* [ER16]                        |
| 4pcs* [ER16]            | 4pcs* [ER16]            | 8pcs* [ER16]            | 8pcs* [ER16]            | 4pcs* [ER16]                        | 4pcs* [ER16]                        |
| 3.7                     | 2.2/3.7                 | 3.7                     | 2.2/3.7                 | 3.9                                 | 2.2/3.7                             |
| 3.7                     | 1.5/2.2                 | 3.7                     | 1.5/2.2                 | 3.9                                 | 1.5/2.2                             |
| 3600                    | 3600                    | 3600                    | 3600                    | 3600                                | 3600                                |



## PRODUCT PARAMETER

| Parameters                         | M266                                |                                     | SH325                   |                         | SH326                         |                               |
|------------------------------------|-------------------------------------|-------------------------------------|-------------------------|-------------------------|-------------------------------|-------------------------------|
| CNC System                         | SYNTEC 220TB                        | FANUC                               | SYNTEC 220TB            | FANUC                   | SYNTEC 220TB                  | FANUC                         |
| Max Machining Dia. (mm)            | 26                                  | 26                                  | 32                      | 32                      | 32                            | 32                            |
| Spindle Travel (mm)                | 230/2.5D                            | 230/2.5D                            | 210/2.5D                | 210/2.5D                | 280/2.5D                      | 280/2.5D                      |
| Main Spindle Speed (rpm)           | 8000                                | 10000                               | 6000                    | 8000                    | 6000                          | 8000                          |
| Sub Spindle Speed (rpm)            | 8000                                | 8000                                | 6000                    | 8000                    | 6000                          | 8000                          |
| Radial Live Tool Speed (rpm)       | 5000                                | 5000                                | 5000                    | 5000                    | 5000                          | 5000                          |
| Drilling Dia. (mm)                 | Φ 10                                | Φ 10                                | Φ 10                    | Φ 10                    | Φ 10                          | Φ 10                          |
| Front/Back Max Tapping             | M8/M6                               | M8/M6                               | M8/M6                   | M8/M6                   | M8/M6                         | M8/M6                         |
| Radial Live Tool Drilling (mm)     | Φ 10                                | Φ 10                                | Φ 10                    | Φ 10                    | Φ 10                          | Φ 10                          |
| Radial Live Tool Tapping Dia. (mm) | M6(Steel)<br>M8(Copper)             | M6(Steel)<br>M8(Copper)             | M6(Steel)<br>M8(Copper) | M6(Steel)<br>M8(Copper) | M6(Steel)<br>M8(Copper)       | M6(Steel)<br>M8(Copper)       |
| Outer Dia. Tools Holders           | 1pcs* [□ 16×16]+<br>5pcs* [□ 12×12] | 1pcs* [□ 16×16]+<br>5pcs* [□ 12×12] | 6pcs* [□ 16×16]         | 6pcs* [□ 16×16]         | 6pcs* [□ 16×16]               | 6pcs* [□ 16×16]               |
| Inner Dia. Tools Holders           | 5pcs* [Φ 25-ER16]                   | 5pcs* [Φ 25-ER16]                   | 5pcs* [Φ 20-ER16]       | 5pcs* [Φ 20-ER16]       | 4pcs* [Φ 25-ER16]             | 4pcs* [Φ 25-ER16]             |
| Radial Live Tool Holders           | 4pcs* [ER16]                        | 4pcs* [ER16]                        | 4pcs* [ER16]            | 4pcs* [ER16]            | 2pcs* [ER11]+<br>3pcs* [ER16] | 2pcs* [ER11]+<br>3pcs* [ER16] |
| Back Tools Holders for Sub Spindle | 4pcs* [ER16]                        | 8pcs* [ER16]                        | 4pcs* [ER16]            | 4pcs* [ER16]            | 8pcs* [ER16]                  | 8pcs* [ER16]                  |
| Main Spindle Motor (kw)            | 3.9                                 | 2.2/3.7                             | 5.9                     | 5.5/7.5                 | 5.9                           | 5.5/7.5                       |
| Sub Spindle Motor (kw)             | 3.9                                 | 1.5/2.2                             | 3.9                     | 1.5/2.2                 | 3.9                           | 1.5/2.2                       |
| Weight (kg)                        | 3600                                | 3600                                | 3800                    | 3800                    | 3900                          | 3900                          |



| SF385                   |                         | SF386                         |                               | SF425                                   |                                         | SF426                                   |                                         |
|-------------------------|-------------------------|-------------------------------|-------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| SYNTEC 220TB            | FANUC                   | SYNTEC 220TB                  | FANUC                         | SYNTEC 220TB                            | FANUC                                   | SYNTEC 220TB                            | FANUC                                   |
| 38                      | 38                      | 38                            | 38                            | 42                                      | 42                                      | 42                                      | 42                                      |
| 210/2.5D                | 210/2.5D                | 280/2.5D                      | 280/2.5D                      | 210                                     | 210                                     | 210                                     | 210                                     |
| 6000                    | 8000                    | 6000                          | 8000                          | 6000                                    | 8000                                    | 6000                                    | 8000                                    |
| 6000                    | 8000                    | 6000                          | 8000                          | 6000                                    | 8000                                    | 6000                                    | 8000                                    |
| 5000                    | 5000                    | 5000                          | 5000                          | 5000                                    | 5000                                    | 5000                                    | 5000                                    |
| Φ 10                    | Φ 10                    | Φ 10                          | Φ 10                          | Φ 10                                    | Φ 10                                    | Φ 10                                    | Φ 10                                    |
| M8/M6                   | M8/M6                   | M8/M6                         | M8/M6                         | M8/M6                                   | M8/M6                                   | M8/M6                                   | M8/M6                                   |
| Φ 10                    | Φ 10                    | Φ 10                          | Φ 10                          | Φ 10                                    | Φ 10                                    | Φ 10                                    | Φ 10                                    |
| M6(Steel)<br>M8(Copper) | M6(Steel)<br>M8(Copper) | M6(Steel)<br>M8(Copper)       | M6(Steel)<br>M8(Copper)       | M8                                      | M8                                      | M8                                      | M8                                      |
| 6pcs* [□ 16×16]         | 6pcs* [□ 16×16]         | 6pcs* [□ 16×16]               | 6pcs* [□ 16×16]               | 4pcs* [□ 16×16]+<br>1pcs* [□ 20×20]     | 4pcs* [□ 16×16]+<br>1pcs* [□ 20×20]     | 4pcs* [□ 16×16]+<br>1pcs* [□ 20×20]     | 4pcs* [□ 16×16]+<br>1pcs* [□ 20×20]     |
| 5pcs* [Φ 20-ER16]       | 5pcs* [Φ 20-ER16]       | 4pcs* [Φ 25-ER16]             | 4pcs* [Φ 25-ER16]             | 3pcs* [Φ 25-ER16]+<br>2pcs* [Φ 20-ER16] | 3pcs* [Φ 25-ER16]+<br>2pcs* [Φ 20-ER16] | 3pcs* [Φ 25-ER16]+<br>2pcs* [Φ 20-ER16] | 3pcs* [Φ 25-ER16]+<br>2pcs* [Φ 20-ER16] |
| 4pcs* [ER16]            | 4pcs* [ER16]            | 2pcs* [ER11]+<br>3pcs* [ER16] | 2pcs* [ER11]+<br>3pcs* [ER16] | 4pcs* [ER16]                            | 4pcs* [ER16]                            | 8pcs* [ER16]                            | 8pcs* [ER16]                            |
| 4pcs* [ER16]            | 4pcs* [ER16]            | 8pcs* [ER16]                  | 8pcs* [ER16]                  | 4pcs* [Φ 20-ER16]                       | 4pcs* [Φ 20-ER16]                       | 8pcs* [Φ 20-ER16]                       | 8pcs* [Φ 20-ER16]                       |
| 5.9                     | 5.5/7.5                 | 5.9                           | 5.5/7.5                       | 5.9                                     | 5.5/7.5                                 | 5.9                                     | 5.5/7.5                                 |
| 3.9                     | 1.5/2.2                 | 3.9                           | 1.5/2.2                       | 3.9                                     | 1.5/2.2                                 | 3.9                                     | 1.5/2.2                                 |
| 3900                    | 3900                    | 3900                          | 3900                          | 4500                                    | 4500                                    | 4500                                    | 4500                                    |

# CNC LATHE

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## PRODUCT PARAMETER

| Parameters                           | CK6150                                 | CK6163                                 | CK6180            | CK6180                                             | CK61100 | CK61125 | CK61100                             | CK61125 |
|--------------------------------------|----------------------------------------|----------------------------------------|-------------------|----------------------------------------------------|---------|---------|-------------------------------------|---------|
| Max Dia. Swing over Bed (mm)         | 500                                    | 630                                    | 800               | 800                                                | 1000    | 1250    | 1000                                | 1250    |
| Max Dia. Swing over Cross Slide (mm) | 300                                    | 350                                    | 520               | 480                                                | 680     | 930     | 610                                 | 860     |
| Max Workpiece Length (mm)            | 1000/1500/2000/3000                    | 1000/1500/2000/3000/4000               |                   | 1500/2000/3000/4000/5000/6000/7000/8000/9000/10000 |         |         |                                     |         |
| Bed Width (mm)                       | 400                                    | 550                                    |                   | 600/650                                            |         |         | 755                                 |         |
| Max Workpiece Load (t)               | 1                                      | 3                                      |                   | 4                                                  |         |         | 6                                   |         |
| Spindle Bore (mm)                    | 82                                     | 105                                    |                   | 105                                                |         |         | 140                                 |         |
| Range of Spindle Speed (r/min)       | L: 45-260<br>M: 140-800<br>H: 550-1600 | L: 10-200<br>M: 180-500<br>H: 480-1200 |                   | L: 25-100<br>M: 80-260<br>H: 240-700               |         |         | L: 10-50<br>M: 50-115<br>H: 115-300 |         |
| Main Motor Power (kw)                | 7.5                                    | 11                                     |                   | 15                                                 |         |         | 22                                  |         |
| Standard Chuck                       | K11-250 Three Jaw                      | K11-320 Three Jaw                      | K11-400 Three Jaw | K11-400 Three Jaw                                  |         |         | K72-1000 Four Jaw                   |         |



|  | CK61140                                            | CK61160 | Parameters                           | CK61125L                                 | CK61140L | CK61160L | CK61180L          | CK61200L |
|--|----------------------------------------------------|---------|--------------------------------------|------------------------------------------|----------|----------|-------------------|----------|
|  | 1400                                               | 1600    | Max Dia. Swing over Bed (mm)         | 1300                                     | 1500     | 1700     | 1900              | 2100     |
|  | 1010                                               | 1210    | Max Dia. Swing over Cross Slide (mm) | 900                                      | 1100     | 1300     | 1500              | 1700     |
|  | 1500/2000/3000/4000/5000/6000/7000/8000/9000/10000 |         | Max Workpiece Length (mm)            | 3000/4000/5000/6000/7000/8000/9000/10000 |          |          |                   |          |
|  | 755                                                |         | Max Workpiece Load (t)               | 10                                       |          |          |                   |          |
|  | 6                                                  |         | Spindle Bore (mm)                    | 100                                      |          |          |                   |          |
|  | 140                                                |         | Range of Spindle Speed (r/min)       | 10-300                                   |          |          | 10-200            |          |
|  | L: 10-50<br>M: 50-115<br>H: 115-300                |         | Main Motor Power (kw)                | 30                                       |          |          | 37                |          |
|  | 22                                                 |         | No. of Tool Stations                 | 4-Position Electric Tool Holder          |          |          |                   |          |
|  | K72-1000 Four Jaw                                  |         | Standard Chuck                       | K72-1250 Four Jaw                        |          |          | K72-1600 Four Jaw |          |

CNC PIPE THREADING LATHE

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SIEMENS



Manual | Electric | Pneumatic Chuck



Standard 4 Stations | Available 6/8/12

PRODUCT PARAMETER

| Parameters                           | QK1313                   | QK1316                   | QK1319                   | QK1322                   | QK1325                  | QK1325                                             | QK1327                  |
|--------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|----------------------------------------------------|-------------------------|
| Max Dia. Swing over Bed (mm)         | 630                      | 630                      | 630                      | 670                      | 800                     | 800                                                |                         |
| Max Dia. Swing over Cross Slide (mm) | 330                      | 330                      | 330                      | 370                      | 530                     | 480                                                |                         |
| Max. Dis. Between Centers (mm)       | 1000/1500/2000/3000/4000 |                          |                          |                          |                         | 1500/2000/3000/4000/5000/6000/7000/8000/9000/10000 |                         |
| Width of Bed (mm)                    | 550                      |                          |                          |                          |                         | 600/650                                            |                         |
| Max. Workpiece Load (t)              | 3                        |                          |                          |                          |                         | 4                                                  |                         |
| Spindle Bore (mm)                    | 135                      | 165                      | 200                      | 225                      | 255                     | 255                                                | 280                     |
| Clamping Range (mm)                  | Φ 30-130                 | Φ 40-160                 | Φ 50-193                 | Φ 50-220                 | Φ 50-250                | Φ 70-250                                           | Φ 70-275                |
| Spindle Speed Range (r/min)          | L: 40-180<br>H: 150-800  | L: 40-180<br>H: 150-800  | L: 25-120<br>H: 100-500  | L: 25-120<br>H: 100-500  | L: 15-100<br>H: 100-350 | L: 15-100<br>H: 100-350                            | L: 20-100<br>H: 100-300 |
| Main Motor Power(Manufacturers) (kw) | 11                       |                          |                          |                          | 15                      | 15                                                 |                         |
| Chuck Form                           | K11-380 Three Jaw Manual | K11-400 Three Jaw Manual | K11-500 Three Jaw Manual | K11-500 Three Jaw Manual | K72-630 Four Jaw Manual | K72-630 Four Jaw Manual                            | K72-780 Four Jaw Manual |



| QK1330                                             | QK1332   | QK1327                  | QK1330   | QK1333   | QK1335                           | QK1343                            | QK1353                | QK1363                |
|----------------------------------------------------|----------|-------------------------|----------|----------|----------------------------------|-----------------------------------|-----------------------|-----------------------|
| 800                                                |          | 1000                    |          |          |                                  | 1000                              | 1250                  | 1600                  |
| 480                                                |          | 610                     |          |          |                                  | 610                               | 860                   | 1200                  |
| 1500/2000/3000/4000/5000/6000/7000/8000/9000/10000 |          |                         |          |          |                                  |                                   |                       |                       |
| 600/650                                            |          | 755                     |          |          |                                  | 755                               |                       |                       |
| 4                                                  |          | 6                       |          |          |                                  | 6                                 |                       |                       |
| 305                                                | 325      | 280                     | 305      | 335      | 360                              | 440                               | 540                   | 640                   |
| Φ 80-300                                           | Φ 80-320 | Φ 70-275                | Φ 80-300 | Φ 80-330 | Φ 150-350                        | Φ 260-430                         | Φ 350-530             | Φ 420-630             |
| L: 20-100<br>H: 100-300                            |          | L: 20-100<br>H: 100-300 |          |          | L: 30-130<br>H: 65-260           | L: 23-90<br>H: 80-260             | L: 20-80<br>H: 55-220 | L: 15-65<br>H: 65-120 |
| 15                                                 |          | 22                      |          |          |                                  | 22                                | 30                    | 30                    |
| K72-780 Four Jaw Manual                            |          | K72-780 Four Jaw Manual |          |          | K66-780 Four Jaw Electric Manual | K66-1000 Four Jaw Electric Manual |                       |                       |

VERTICAL LATHE

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SIEMENS



WORKTABLE SPEED

CNC: STEPLESS  
DRO: 16 VARIABLE SPEEDS

PRODUCT PARAMETER

• SINGLE COLUMN

| Parameters                             | CK5112   | CK5116   | CK5123   | CK5125   |
|----------------------------------------|----------|----------|----------|----------|
| Max Processing Dia.<br>(mm)            | 1250     | 1600     | 2300     | 2500     |
| Max Height of Workpiece<br>(mm)        | 1000     | 1000     | 1250     | 1300     |
| Max Weight of Workpiece<br>(t)         | 3.2      | 5        | 8        | 10       |
| Worktable Dia.<br>(mm)                 | 1000     | 1400     | 2000     | 2200     |
| Worktable Speed                        | Stepless | Stepless | Stepless | Stepless |
| Worktable Speed Range<br>(r/min)       | 2-200    | 5-160    | 2-62     | 2-62     |
| Max Torque of Worktable<br>(kn • m)    | 25       | 25       | 32       | 40       |
| Main Motor Power<br>(kw)               | 22       | 30       | 30       | 37       |
| Max Cutting Force of Tool Post<br>(kn) | 40       | 40       | 25       | 25       |
| Machine Weight<br>(t)                  | 9        | 13       | 20       | 23       |



• DOUBLE COLUMNS

| CK5225   | CK523I   | CK5240   | CK5250   | CK5263             | CK52I25             |
|----------|----------|----------|----------|--------------------|---------------------|
| 2500     | 3150     | 4000     | 5000     | 6300               | 12500               |
| 1600     | 2000     | 2000     | 3150     | 3150               | 4000                |
| 10       | 10       | 20       | 50       | 120                | 150                 |
| 2250     | 2830     | 3200     | 4500     | 5700               | 8500                |
| Stepless | Stepless | Stepless | Stepless | Stepless           | Stepless            |
| 2-62     | 2-62     | 0.42-42  | 0.4-42   | 0.42-25            | 0.23-16.8           |
| 60       | 60       | 150      | 150      | 225                | 250                 |
| 55       | 55       | 55       | 75       | 110                | 132                 |
| 40       | 40       | 40       | 40       | Left: 63 Right: 80 | Left: 80 Right: 100 |
| 35       | 42       | 48       | 90       | 170                | 320                 |

VERTICAL MACHINING CENTER

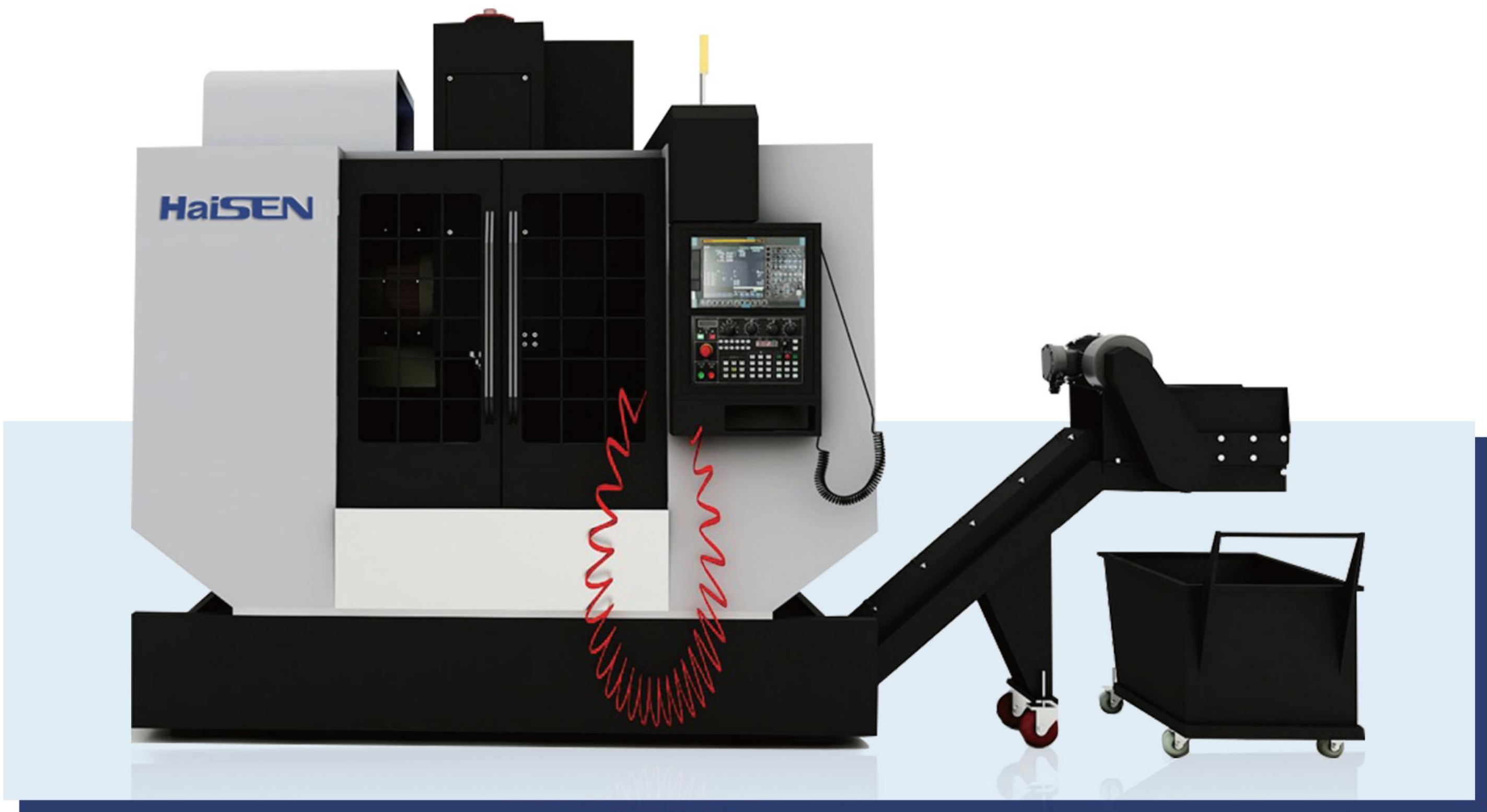
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PRODUCT PARAMETER

| Parameters                         | MLH650      | MLH850      | MLH855      | MLH1055      |
|------------------------------------|-------------|-------------|-------------|--------------|
| Worktable Size (mm)                | 800*500     | 1000*500    | 1000*550    | 1050*550     |
| X/Y/Z Axis Travel (mm)             | 600*500*500 | 800*500*500 | 800*550*550 | 1000*550*550 |
| Spindle Nose to Table Surface (mm) | 120-620     | 120-620     | 120-670     | 120-670      |
| X/Y/Z Axis Feed Rapid Feed (m/min) | 48/48/48    | 48/48/48    | 48/48/48    | 36/36/36     |
| Spindle Taper                      | BT40        | BT40        | BT40        | BT40         |
| Spindle Speed (rpm)                | 8000        | 8000        | 8000        | 8000         |
| Feed Cutting (m/min)               | 1-10000     | 1-10000     | 1-10000     | 1-10000      |
| Tool Magazine Capacity (pcs)       | ATC24       | ATC24       | ATC24       | ATC24        |
| Spindle Motor Power (kw)           | 5.5/7.5     | 7.5/11      | 7.5/11      | 7.5/11       |
| Positioning Accuracy (mm)          | 0.005/300mm | 0.005/300mm | 0.005/300mm | 0.005/300mm  |



| MLHI160      | MLHI275      | MLHI380      | MLHI580      | MLHI690      | MLHI890      |
|--------------|--------------|--------------|--------------|--------------|--------------|
| 1200*600     | 1300*700     | 1400*800     | 1700*800     | 1800*900     | 2000*900     |
| 1100*600*600 | 1200*750*600 | 1300*800*700 | 1500*800*700 | 1600*900*600 | 1800*900*720 |
| 120-720      | 120-720      | 160-860      | 100-800      | 160-760      | 115-835      |
| 36/36/24     | 24/24/24     | 24/24/24     | 24/24/15     | 24/24/15     | 24/24/15     |
| BT40         | BT40         | BT50         | BT50         | BT50         | BT50         |
| 8000         | 8000         | 6000         | 6000         | 6000         | 6000         |
| 1-10000      | 1-10000      | 1-10000      | 1-10000      | 1-10000      | 1-10000      |
| ATC24        | ATC24        | ATC24        | ATC24        | ATC24        | ATC24        |
| 11/15        | 11/15        | 15/18.5      | 15/18.5      | 15/18.5      | 15/18.5      |
| 0.005/300mm  | 0.005/300mm  | 0.005/300mm  | 0.005/300mm  | 0.005/300mm  | 0.005/300mm  |

# VERTICAL MACHINING VENTER



**HEIDENHAIN**

**SIEMENS**



# PRODUCT PARAMETER

| Parameters                           | V5-32B         | V5-63B               | V5-70B               |
|--------------------------------------|----------------|----------------------|----------------------|
| Diameter (mm)                        | 320            | 630                  | 700                  |
| Max Horizontal Load (kg)             | 150            | 500                  | 500                  |
| Max Vertical Load (kg)               | 100            | 300                  | 300                  |
| X/Y/Z Axis Travel (mm)               | 450/320/330    | 600/450/400          | 700/600/500          |
| B/C Axis Travel (mm)                 | -35~+110/n*360 | -35~+110/n*360       | -35~+110/n*360       |
| Tool Holder                          | BT30           | BT40                 | BT40                 |
| Rated/Max Speed (rpm)                | 3000/18000     | 1800/12000           | 1800/12000           |
| X/Y/Z Axis Rapid Traverse (m/min)    | 36/36/36       | 36(60)/36(60)/36(60) | 36(60)/36(60)/36(60) |
| B/C Axis Max Speed (rpm)             | 100/130        | 80/80                | 80/80                |
| Capacity (t)                         | 24/30          | 24/30                | 24/30                |
| X/Y/Z Axis Positioning Accuracy (mm) | 0.006          | 0.007                | 0.007                |
| B/C Axis Positioning Accuracy        | 6              | 6                    | 6                    |

HORIZONTAL MACHINING CENTER

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COOLING THROUGH SPINDLE

PRODUCT PARAMETER

|                                                     |          | HLH50       |             | HLH63        |              |
|-----------------------------------------------------|----------|-------------|-------------|--------------|--------------|
| Parameters                                          |          | S-Worktable | D-Worktable | S-Worktable  | D-Worktable  |
| Worktable Size (mm)                                 |          | 500*500     | 500*500     | 630*700      | 630*630      |
| X/Y/Z Axis Travel (mm)                              |          | 660/580/600 | 660/580/600 | 1050/750/900 | 1055/905/905 |
| Distance From Spindle Center Line to Worktable (mm) |          | 100-680     | 0-580       | 100-850      | 80-985       |
| Spindle Nose to Table Surface (mm)                  |          | 150-750     | 150-750     | 150-1050     | 200-1105     |
| Rapid Traverse Speed (m/min)                        |          | 40/40/40/15 | 40/40/40/15 | 24/24/24/10  | 48           |
| Workable Index                                      | Standard | 1°*360      | 1°*360      | 1°*360       | 1°*360       |
|                                                     | Option   | 0.001°*360  | 0.001°*360  | 0.001°*360   | 0.001°*360   |
| Max Workpiece Rotation Dia. (mm)                    |          | 700         | 700         | 1200         | 1110         |
| Worktable Load (kg)                                 |          | 500(BL)     | 500(BL)     | 1200(BL)     | 1300(BL)     |
| Spindle Taper                                       |          | BT40        | BT40        | BT50         | BT50         |
| Spindle Speed (rpm)                                 |          | 8000        | 8000        | 6000         | 8000         |
| Spindle Motor Power (kw)                            |          | 15/18.5     | 15/18.5     | 15/18.5      | 18.5/22      |
| Tool Magazine Capacity (pcs)                        |          | ATC24       | ATC24       | ATC24        | ATC40        |
| Positioning Accuracy (mm)                           |          | 0.01(FL)    | 0.01(FL)    | 0.01(FL)     | 0.004(FL)    |



| HLH80        |                | HLH100         |                |
|--------------|----------------|----------------|----------------|
| S-Worktable  | D-Worktable    | S-Worktable    | D-Worktable    |
| 800*800      | 800*800        | 1000*1000      | 1000*1000      |
| 1100/850/900 | 1405/1105/1055 | 1300/1000/1000 | 1405/1105/1055 |
| 100-950      | 80-1185        | 120-1120       | 80-1185        |
| 180-1080     | 200-1255       | 200-1200       | 200-1255       |
| 24/24/24/5   | 45             | 24/24/24/8     | 45             |
| 1°*360       | 1°*360         | 1°*360         | 1°*360         |
| 0.001°*360   | 0.001°*360     | 0.001°*360     | 0.001°*360     |
| 1600         | 1300           | 1600           | 1300           |
| 1600(BL)     | 2000(BL)       | 3000(BL)       | 2000(BL)       |
| BT50         | BT50           | BT50           | BT50           |
| 6000         | 8000           | 6000           | 8000           |
| 15/18.5      | 25/30          | 15/18.5        | 25/30          |
| ATC24        | ATC40          | ATC24          | ATC40          |
| 0.012(FL)    | 0.004(FL)      | 0.012(FL)      | 0.004(FL)      |

GANTRY MACHINING CENTER

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COOLING THROUGH SPINDLE

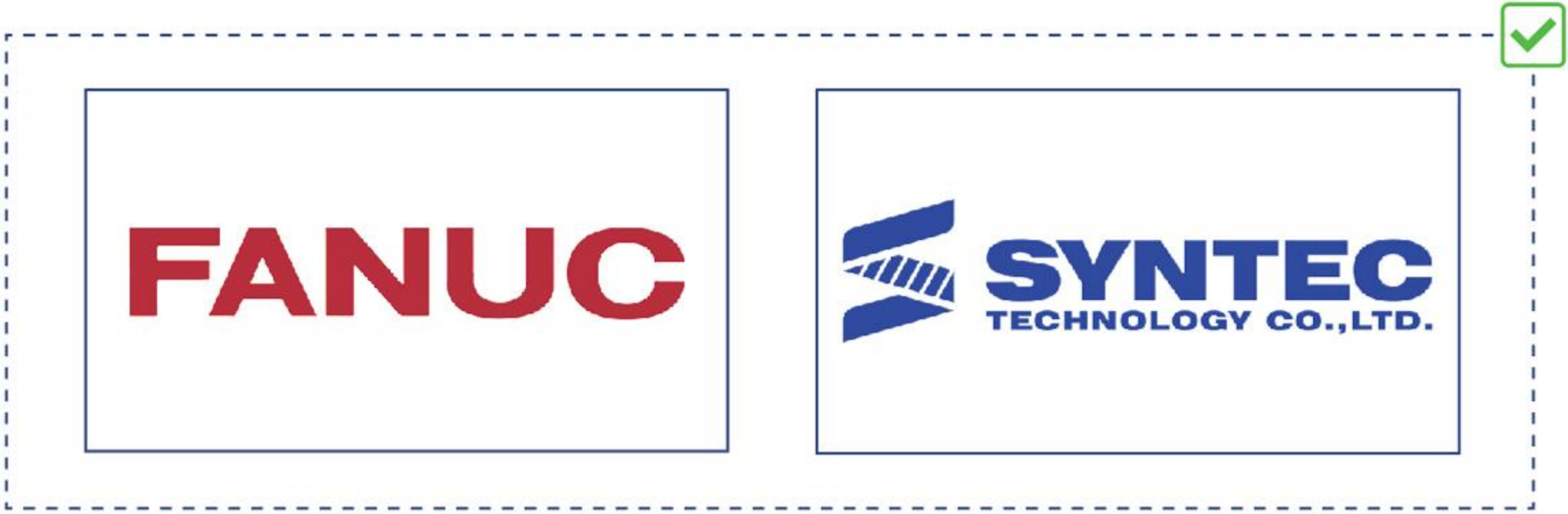
PRODUCT PARAMETER

| Parameters                                       | GLH1613       | GLH2016       | GLH2518       |
|--------------------------------------------------|---------------|---------------|---------------|
| Worktable Size (mm)                              | 1600*1300     | 2100*1400     | 2700*1600     |
| Worktable Load (t)                               | 2             | 2.5           | 5             |
| Gantry Width (mm)                                | 1400          | 1700          | 1850          |
| Gantry Height (mm)                               | 1060          | 1129          | 1277          |
| X/Y/Z Axis Travel (mm)                           | 1600/1300/700 | 2000/1700/800 | 2500/1800/850 |
| X/Y/Z Axis Rapid Tranverse (mm)                  | 12/12/12      | 12/12/12      | 12/12/12      |
| Distance From Spindle End Face to Worktable (mm) | 40-740        | 200-1000      | 250-1100      |
| Taper Hole Model                                 | BT50          | BT50          | BT50          |
| Speed Range (rpm)                                | 6000          | 6000          | 6000          |
| Cutting Feed Speed Range (m/min)                 | 1-10000       | 1-10000       | 1-10000       |
| Spindle Motor Power (kw)                         | 15/18.5       | 15/18.5       | 15/18.5       |
| Positioning Accuracy (mm)                        | 0.01/300mm    | 0.01/300mm    | 0.01/300mm    |



| GLH3020        | GLH4025             | GLH5025             |
|----------------|---------------------|---------------------|
| 3000*1800      | 4000*2300           | 5000*2300           |
| 8              | 12                  | 15                  |
| 2000           | 2700                | 2700                |
| 1250           | 1400                | 1400                |
| 3000/2200/1000 | 4000/2700/1000      | 5000/2700/1000      |
| 12/12/8        | 10/10/8             | 10/10/8             |
| 200-1200       | 280-1280            | 280-1280            |
| BT50           | BT50-200            | BT50-200            |
| 6000           | 6000                | 6000                |
| 1-10000        | 1-10000             | 1-10000             |
| 15/18.5 Bip 30 | 22 Wide-Range Motor | 22 Wide-Range Motor |
| 0.01/300mm     | 0.01/300mm          | 0.01/300mm          |

SIX-AXIS DEEP HOLE DRILLING MACHINE



PRODUCT PARAMETER

| Parameters                                 | HSD2016                                      | HSD2516   | HSD3018   |
|--------------------------------------------|----------------------------------------------|-----------|-----------|
| Drilling Dia. of Gun Drill (mm)            | Φ3-50                                        | Φ3-50     | Φ3-50     |
| Drilling Dia. of Single Pipe Drill (mm)    | Φ18-65                                       | Φ18-65    | Φ18-65    |
| Max. Drilling Depth of Gun Drill(W) (mm)   | 1600                                         | 1600      | 1800      |
| Left and Right Stroke of Workbench(X) (mm) | 2000                                         | 2500      | 3000      |
| Sliding Table Storke(Y) (mm)               | 1650                                         | 1650      | 1800      |
| Column Stroke(Z) (mm)                      | 1000                                         | 1000      | 1200      |
| Max. Drilling Depth of Gun Drill(W) (mm)   | 1600                                         | 1600      | 1800      |
| Swing Axis Rotation Angle(A)               | The Spindle Turns Upward 20°,and Down to 35° |           |           |
| CNC Rotary Workbench(B)                    | 360°                                         | 360°      | 360°      |
| Max. Loading Capacity (kg)                 | 18000                                        | 20000     | 25000     |
| Indexing Table Size(L*W) (mm)              | 1800*1600                                    | 2000*1800 | 2200*2000 |



| HSDI008                                      | HSDI310   | HSDI613   |
|----------------------------------------------|-----------|-----------|
| Φ3-40                                        | Φ3-40     | Φ3-50     |
| —                                            | —         | Φ18-65    |
| 800                                          | 1000      | 1300      |
| 1000                                         | 1300      | 1600      |
| 800                                          | 1000      | 1300      |
| 500                                          | 600       | 800       |
| 800                                          | 1000      | 1300      |
| The Spindle Turns Upward 20°,and Down to 35° |           |           |
| 360°                                         | 360°      | 360°      |
| 3000                                         | 5000      | 8000      |
| 630*630                                      | 1200*1000 | 1400*1200 |



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Matjaž Modec

A handwritten signature in black ink, appearing to read "Matjaž Modec", with a horizontal line drawn underneath it.