

**SZGH**



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# CNC MACHINE TOOL CATALOG

Manufacturing Automation Upgrade Expert for Small and Medium Enterprises



Shenzhen Guanhong Automation Co., Ltd. (SZGH Group) is a professional industrial automation company specializing in CNC systems, industrial robots, CNC machine tools, and intelligent manufacturing solutions.

With production bases in Shenzhen and Dongguan, SZGH Group integrates R&D, manufacturing, sales, and technical services to provide efficient automation solutions for global industrial customers.

Our products are widely used in metal processing, machinery manufacturing, automotive parts, mold making, furniture production, hardware processing, and smart factory applications.

With years of experience in CNC and industrial automation technology, SZGH continuously invests in product innovation and intelligent manufacturing development. Our engineering team provides customized automation solutions to help customers improve productivity, reduce labor costs, and optimize production efficiency.

Through the coordinated development of the parent company and subsidiaries, SZGH has established strong capabilities in: CNC Technology Development, Industrial Robot Integration, Product R&D & Manufacturing, Quality Control & Technical Support, Overseas Customer Service, Automation Project Implementation.

## CERTIFICATES & QUALIFICATIONS

SZGH products have been exported to Europe, South America, Southeast Asia, the Middle East, Central Asia, and other international markets. With reliable quality, competitive solutions, and professional technical support, we have built long-term partnerships with customers worldwide.

SZGH Group is committed to becoming a trusted global partner in industrial automation and smart manufacturing by delivering stable, efficient, and cost-effective CNC and robotic automation solutions.



SZGH

SZGH-540

Small CNC milling machine



High efficiency



High precision



High stability

Scope of Application

Suitable for 8-station processing of copper, iron, aluminum and stainless steel workpiece within 500mmX400mm, and stainless steel parts processing within 8mm tapping and 10mm drilling.

Product Description

It is suitable for 8-station processing of copper, iron, aluminum and stainless steel workpieces within 500mmx400mm. The operation is compatible with the general machining center in the market, and supports drilling, tapping, milling, engraving and other functions.Using multiple patented technologies such as high rigidity and anti-deformation structure, it is suitable for processing stainless steel parts with tapping within 8mm and drilling within 10mm. Due to the small footprint, it is convenient for one person to manage multiple machines, improve per capita output efficiency and reduce processing costs.

Product Features

1. Using Anti-deformation patented heavy-duty base, it is heavy enough to support fast the high-speed and stable movement of the driving head.
2. The weight is enough to support the anti-vibration and improve the accuracy and smoothness during bar machining.
3. The key components adopt high-quality wear-resistant configurations such as Taiwan, and the spindle installation is all dynamically balanced.
4. Adopting SZGH electric control package to make electromechanical cooperation play the best efficiency.

Technical Parameters

| Project             |                                            | Unit  | Standard value                          | Max value                               |
|---------------------|--------------------------------------------|-------|-----------------------------------------|-----------------------------------------|
| Processing capacity | Max. drilling diameter                     | mm    | Aluminum $\Phi 14$ /<br>Steel $\Phi 10$ | Aluminum $\Phi 18$ /<br>Steel $\Phi 14$ |
|                     | Max. Tapping Diameter                      | mm    | Aluminum m10/<br>Steel m8               | Aluminum m12/<br>Steel m10              |
|                     | Max. milling cutter diameter               | mm    | $\Phi 60$                               | -                                       |
|                     | Max Spindle speed                          | rpm   | 6000                                    | -                                       |
|                     | Handle Type                                | -     | BT30                                    | -                                       |
|                     | Magazine capacity                          | -     | 8                                       | 8                                       |
|                     | Repeatability                              | mm    | 0.01                                    | 0.01                                    |
| Workbench           | Distance from table surface to spindle end | mm    | 170                                     | 380                                     |
|                     | Effective stroke of working surface        | mm    | 500*400                                 | -                                       |
| Travels             | X-axis effective travel                    | mm    | 400                                     | -                                       |
|                     | Y-axis effective travel                    | mm    | 500                                     | -                                       |
|                     | Z-axis effective travel                    | mm    | 200                                     | -                                       |
| Feed                | X-axis rapid traverse                      | m/min | 25                                      | 35                                      |
|                     | Y-axis rapid traverse                      | m/min | 25                                      | 35                                      |
|                     | Z-axis rapid traverse                      | m/min | 20                                      | 25                                      |
| Spindle             | Max.Spindle Speed                          | rpm   | 6000                                    | -                                       |
|                     | Spindle Motor Power                        | kW    | 3                                       | 3                                       |
|                     | Spindle type                               | -     | Mechanical spindle                      | Mechanical spindle                      |
|                     | Spindle taper                              | -     | BT30                                    | -                                       |
| Dimensions          | Dimensions                                 | mm    | 1350 x 1050 x 2050                      | -                                       |
|                     | Total Weight                               | kg    | 1900                                    | -                                       |

| Machine tool specifications and component items |                     | Specification | Standard                                  | Optional |
|-------------------------------------------------|---------------------|---------------|-------------------------------------------|----------|
| Part Specifications                             | Screw               | 25mm          | Taiwan precision p grade                  | -        |
|                                                 | Guide rail          | 25mm          | Taiwan Precision C3 Grade                 | -        |
|                                                 | Spindle             | BT30          | SZGH                                      | SZGH     |
|                                                 | CNC Control         | -             | SZGH                                      | SZGH     |
|                                                 | Feed servo          | X.Y750&1.2kW  | SZGH                                      | SZGH     |
|                                                 | Spindle servo motor | 3/4.5kW       | SZGH                                      | SZGH     |
| Machine specifications                          | Tool magazine       | 8 handle      | SZGH                                      | -        |
|                                                 | Base form           | 1200kg        | Heavy-duty anti-deformation patented base | -        |

The above configuration parameters are for reference,and the configuration listed in the price composition and physical acceptance shall prevail.

SZGH

SZGH-540D

CNC milling machine



High efficiency



High precision



High stability

Scope of Application

Suitable for 8-station processing of copper, iron, aluminum and stainless steel workpiece within 500mmX400mm, and stainless steel parts processing within 8mm tapping and 10mm drilling.

Product Description

It is suitable for 8-station processing of copper, iron, aluminum and stainless steel workpieces within 500mmx400mm. The operation is compatible with the general machining center in the market, and supports drilling, tapping, milling, engraving and other functions.Using multiple patented technologies such as high rigidity and anti-deformation structure, it is suitable for processing stainless steel parts with tapping within 8mm and drilling within 10mm. Due to the small footprint, it is convenient for one person to manage multiple machines, improve per capita output efficiency and reduce processing costs.

Product Features

1. Using Anti-deformation patented heavy-duty base, it is heavy enough to support fast the high-speed and stable movement of the driving head.
2. The weight is enough to support the anti-vibration and improve the accuracy and smoothness during bar machining.
3. The key components adopt high-quality wear-resistant configurations such as Taiwan, and the spindle installation is all dynamically balanced.
4. Adopting SZGH electric control package to make electromechanical cooperation play the best efficiency.

Technical Parameters

| Project             |                                            | Unit  | Standard value                          | Max value                               |
|---------------------|--------------------------------------------|-------|-----------------------------------------|-----------------------------------------|
| Processing capacity | Max. drilling diameter                     | mm    | Aluminum $\Phi 14$ /<br>Steel $\Phi 10$ | Aluminum $\Phi 18$ /<br>Steel $\Phi 14$ |
|                     | Max. Tapping Diameter                      | mm    | Aluminum m10/<br>Steel m8               | Aluminum m12/<br>Steel m10              |
|                     | Max. milling cutter diameter               | mm    | $\Phi 60$                               | -                                       |
|                     | Max Spindle speed                          | rpm   | 24000                                   | -                                       |
|                     | Handle Type                                | -     | BT30                                    |                                         |
|                     | Magazine capacity                          | -     | 8                                       | 8                                       |
|                     | Repeatability                              | mm    | 0.01                                    | 0.01                                    |
| Workbench           | Distance from table surface to spindle end | mm    | 170                                     | 380                                     |
|                     | Effective stroke of working surface        | mm    | 500*400                                 | -                                       |
| Travels             | X-axis effective travel                    | mm    | 400                                     | -                                       |
|                     | Y-axis effective travel                    | mm    | 500                                     | -                                       |
|                     | Z-axis effective travel                    | mm    | 200                                     | -                                       |
| Feed                | X-axis rapid traverse                      | m/min | 25                                      | 35                                      |
|                     | Y-axis rapid traverse                      | m/min | 25                                      | 35                                      |
|                     | Z-axis rapid traverse                      | m/min | 20                                      | 25                                      |
| Spindle             | Max.Spindle Speed                          | rpm   | 24000                                   | -                                       |
|                     | Spindle Motor Power                        | kW    | 4.5                                     | 4.5                                     |
|                     | Spindle type                               | -     | Electric spindle                        | Electric spindle                        |
|                     | Spindle taper                              | -     | BT30                                    | -                                       |
| Dimensions          | Dimensions                                 | mm    | 1350 x 1050 x 2050                      | -                                       |
|                     | Total Weight                               | kg    | 1900                                    | -                                       |

| Machine tool specifications and component items |                     | Specification | Standard                                  | Optional |
|-------------------------------------------------|---------------------|---------------|-------------------------------------------|----------|
| Part Specifications                             | Screw               | 25mm          | Taiwan precision p grade                  | -        |
|                                                 | Guide rail          | 25mm          | Taiwan Precision C3 Grade                 | -        |
|                                                 | Spindle             | BT30          | SZGH                                      | SZGH     |
|                                                 | CNC Control         | -             | SZGH                                      | SZGH     |
|                                                 | Feed servo          | X.Y750&1.2kW  | SZGH                                      | SZGH     |
|                                                 | Spindle servo motor | 3kW           | SZGH                                      | SZGH     |
| Machine specifications                          | Tool magazine       | 8 handle      | SZGH                                      | -        |
|                                                 | Base form           | 1200kg        | Heavy-duty anti-deformation patented base | -        |

The above configuration parameters are for reference,and the configuration listed in the price composition and physical acceptance shall prevail.

SZGH

SZGH-650

Small CNC milling machine



High efficiency

High precision

High stability

Scope of Application

Suitable for processing copper, iron, aluminum and stainless steel workpieces within 600mmX500mm, and stainless steel parts processing within 30mm tapping and 20mm drilling.

Product Description

It is suitable for processing copper, iron, aluminum and stainless steel workpieces within 600mmX500mm. The operation is compatible with the general machining center in the market, and supports drilling, tapping, milling, engraving and other functions.Using multiple patented technologies such as high rigidity and anti-deformation structure, it is suitable for processing stainless steel parts with tapping within 30mm and drilling within 20mm.Due to the small footprint, it is convenient for one person to manage multiple machines, improving per capita output efficiency and reducing processing costs.

Product Features

1. Using Anti-deformation patented heavy-duty base, it is heavy enough to support fast the high-speed and stable movement of the driving head.
2. The weight is enough to support the anti-vibration and improve the accuracy and smoothness during bar machining.
3. The key components adopt high-quality wear-resistant configurations such as Taiwan, and the spindle installation is all dynamically balanced.
4. Adopting SZGH electric control package to make electromechanical cooperation play the best efficiency.

Technical Parameters

| Project             |                                            | Unit  | Standard value                          | Max value                               |
|---------------------|--------------------------------------------|-------|-----------------------------------------|-----------------------------------------|
| Processing capacity | Max. drilling diameter                     | mm    | Aluminum $\Phi 35$ /<br>Steel $\Phi 30$ | Aluminum $\Phi 40$ /<br>Steel $\Phi 35$ |
|                     | Max. Tapping Diameter                      | mm    | Aluminum m25/<br>Steel m18              | Aluminum m25/<br>Steel m20              |
|                     | Max. milling cutter diameter               | mm    | $\Phi 60$                               | $\Phi 100$                              |
|                     | Max Spindle speed                          | rpm   | 6000                                    | 6000                                    |
|                     | Handle Type                                | -     | BT40                                    | BT40                                    |
|                     | Magazine capacity                          | -     | 10                                      | 10                                      |
| Workbench           | Repeatability                              | mm    | 0.01                                    | -                                       |
|                     | Distance from table surface to spindle end | mm    | 150                                     | 450                                     |
|                     | Effective stroke of working surface        | mm    | 600*500                                 | -                                       |
| Travels             | X-axis effective travel                    | mm    | 500                                     | -                                       |
|                     | Y-axis effective travel                    | mm    | 600                                     | -                                       |
|                     | Z-axis effective travel                    | mm    | 300                                     | -                                       |
| Feed                | X-axis rapid traverse                      | m/min | 25                                      | 30                                      |
|                     | Y-axis rapid traverse                      | m/min | 25                                      | 30                                      |
|                     | Z-axis rapid traverse                      | m/min | 20                                      | 25                                      |
| Spindle             | Max.Spindle Speed                          | rpm   | 6000                                    | 6000                                    |
|                     | Spindle Motor Power                        | kW    | 5.5                                     | 7.5                                     |
|                     | Spindle type                               | -     | Mechanical spindle                      | Mechanical spindle                      |
|                     | Spindle taper                              | -     | BT40                                    | BT40                                    |
| Dimensions          | Dimensions                                 | mm    | 1650 x 1800 x 2450                      | -                                       |
|                     | Total Weight                               | kg    | 2900                                    | -                                       |

| Machine tool specifications and component items |                     | Specification      | Standard                                  | Optional |
|-------------------------------------------------|---------------------|--------------------|-------------------------------------------|----------|
| Part Specifications                             | Screw               | 32mm               | Precision p grade                         | -        |
|                                                 | Guide rail          | 30mm               | Precision C3 Grade                        | -        |
|                                                 | Spindle             | BT40               | SZGH                                      | -        |
|                                                 | CNC Control         | -                  | SZGH                                      | -        |
|                                                 | Feed servo          | X.Y1.5kw&<br>2.6kW | SZGH                                      | -        |
|                                                 | Spindle servo motor | 5.5kW              | SZGH                                      | -        |
| Machine specifications                          | Tool magazine       | 10                 | SZGH                                      | -        |
|                                                 | Base form           | 1800kg             | Heavy-duty anti-deformation patented base | -        |

The above configuration parameters are for reference,and the configuration listed in the price composition and physical acceptance shall prevail.

SZGH

SZGH-650D  
Small CNC milling machine



High efficiency

High precision

High stability

Scope of Application

Suitable for processing copper, iron, aluminum and stainless steel workpieces within 600mmX500mm, and stainless steel parts processing within 30mm tapping and 20mm drilling.

Product Description

It is suitable for processing copper, iron, aluminum and stainless steel workpieces within 600mmX500mm. The operation is compatible with the general machining center in the market, and supports drilling, tapping, milling, engraving and other functions.Using multiple patented technologies such as high rigidity and anti-deformation structure, it is suitable for processing stainless steel parts with tapping within 30mm and drilling within 20mm.Due to the small footprint, it is convenient for one person to manage multiple machines, improving per capita output efficiency and reducing processing costs.

Product Features

1. Using Anti-deformation patented heavy-duty base, it is heavy enough to support fast the high-speed and stable movement of the driving head.
2. The weight is enough to support the anti-vibration and improve the accuracy and smoothness during bar machining.
3. The key components adopt high-quality wear-resistant configurations such as Taiwan, and the spindle installation is all dynamically balanced.
4. Adopting SZGH electric control package to make electromechanical cooperation play the best efficiency.

Technical Parameters

| Project             |                                            | Unit  | Standard value                          | Max value                               |
|---------------------|--------------------------------------------|-------|-----------------------------------------|-----------------------------------------|
| Processing capacity | Max. drilling diameter                     | mm    | Aluminum $\Phi 35$ /<br>Steel $\Phi 30$ | Aluminum $\Phi 40$ /<br>Steel $\Phi 35$ |
|                     | Max. Tapping Diameter                      | mm    | Aluminum m25/<br>Steel m18              | Aluminum m25/<br>Steel m20              |
|                     | Max. milling cutter diameter               | mm    | $\Phi 60$                               | $\Phi 100$                              |
|                     | Max Spindle speed                          | rpm   | 24000                                   | -                                       |
|                     | Handle Type                                | -     | BT30                                    | BT30                                    |
|                     | Magazine capacity                          | -     | 12                                      | 12                                      |
|                     | Repeatability                              | mm    | 0.01                                    | -                                       |
| Workbench           | Distance from table surface to spindle end | mm    | 150                                     | 450                                     |
|                     | Effective stroke of working surface        | mm    | 600*500                                 | -                                       |
| Travels             | X-axis effective travel                    | mm    | 500                                     | -                                       |
|                     | Y-axis effective travel                    | mm    | 600                                     | -                                       |
|                     | Z-axis effective travel                    | mm    | 300                                     | -                                       |
| Feed                | X-axis rapid traverse                      | m/min | 25                                      | 30                                      |
|                     | Y-axis rapid traverse                      | m/min | 25                                      | 30                                      |
|                     | Z-axis rapid traverse                      | m/min | 20                                      | 25                                      |
| Spindle             | Max.Spindle Speed                          | rpm   | 24000                                   | -                                       |
|                     | Spindle Motor Power                        | kW    | 7.5                                     | 7.5                                     |
|                     | Spindle type                               | -     | Electric spindle                        | Electric spindle                        |
|                     | Spindle taper                              | -     | BT30                                    | BT30                                    |
| Dimensions          | Dimensions                                 | mm    | 1650 x 1800 x 2450                      | -                                       |
|                     | Total Weight                               | kg    | 2900                                    | -                                       |

| Machine tool specifications and component items |                     | Specification      | Standard                                  | Optional |
|-------------------------------------------------|---------------------|--------------------|-------------------------------------------|----------|
| Part Specifications                             | Screw               | 32mm               | Precision p grade                         | -        |
|                                                 | Guide rail          | 30mm               | Precision C3 Grade                        | -        |
|                                                 | Spindle             | BT30               | SZGH                                      | -        |
|                                                 | CNC Control         | -                  | SZGH                                      | -        |
|                                                 | Feed servo          | X.Y1.5kw&<br>2.6kW | SZGH                                      | -        |
|                                                 | Spindle servo motor | 7.5kW              | SZGH                                      | -        |
|                                                 | Tool magazine       | 12 handle          | SZGH                                      | -        |
| Machine specifications                          | Base form           | 1800kg             | Heavy-duty anti-deformation patented base | -        |

The above configuration parameters are for reference,and the configuration listed in the price composition and physical acceptance shall prevail.

SZGH

SZGH-540/650

Add 4/5 axis on the original model



High efficiency



High precision



High stability

Product Description

On the basis of SZGH-540 or SZGH-650, a 4-axis rotary table or a 5-axis rotary table can be added to realize the function of completing multi-faceted three-dimensional processing in one clamping.It is widely used in mold making and other functions that require drilling and tapping or three-dimensional carving on multiple surfaces.Among them, SZGH-540 can support up to 8 station tool magazines on the basis of adding external shafts, and SZGH-650 can support up to 10 station tool magazines on the basis of machining external shafts.

Product Features

- 1. Using Anti-deformation patented heavy-duty base, it is heavy enough to support fast the high-speed and stable movement of the driving head.
- 2. The weight is enough to support the anti-vibration and improve the accuracy and smoothness during bar machining.
- 3. The key components adopt high-quality wear-resistant configurations such as Taiwan, and the spindle installation is all dynamically balanced.
- 4. Adopting SZGH electric control package to make electromechanical cooperation play the best efficiency.

Technical Parameters

| Project             |                                            | SZGH-540                                   | SZGH-650                                |
|---------------------|--------------------------------------------|--------------------------------------------|-----------------------------------------|
| Processing capacity | Max. drilling diameter                     | Aluminum $\Phi$ 14mm/<br>Steel $\Phi$ 10mm | Aluminum $\Phi$ 40mm/<br>Steel 30mm     |
|                     | Max. Tapping Diameter                      | Aluminum m10mm/<br>Steel m8mm              | Aluminum m25mm/<br>Steel m20mm          |
|                     | Max. milling cutter diameter               | $\Phi$ 60mm                                | $\Phi$ 100mm                            |
|                     | Max Spindle speed                          | 6000rpm/9000rpm                            | 6000rpm/24000rpm                        |
|                     | Handle Type                                | BT30                                       | BT40/BT30                               |
|                     | Magazine capacity                          | 8 magazines                                | 10 gangs/12 magazines                   |
|                     | Repeatability                              | 0.01mm                                     | 0.01mm                                  |
| Workbench           | Distance from table surface to spindle end | Minimum 170mm<br>Maximum 380mm             | Minimum 150mm<br>Maximum 450mm          |
|                     | Effective stroke of working surface        | 500mm x 400mm                              | 600mm x 500mm                           |
| Travels             | X-axis effective travel                    | 400mm                                      | 500mm                                   |
|                     | Y-axis effective travel                    | 500mm                                      | 600mm                                   |
|                     | Z-axis effective travel                    | 200mm                                      | 300mm                                   |
| Feed                | X-axis rapid traverse                      | 30m/min                                    | 30m/min                                 |
|                     | Y-axis rapid traverse                      | 30m/min                                    | 30m/min                                 |
|                     | Z-axis rapid traverse                      | 25m/min                                    | 25m/min                                 |
| Spindle             | Max.Spindle Speed                          | 6000rpm/24000rpm                           | 6000rpm/24000rpm                        |
|                     | Spindle Motor Power                        | 3kw/4.5kw                                  | 5.5kw/7.5kw                             |
|                     | Spindle type                               | mechanical spindle/<br>electric spindle    | mechanical spindle/<br>electric spindle |
|                     | Spindle taper                              | BT30                                       | BT40/BT30                               |
| Dimensions          | Dimensions                                 | 1350mm x 1050mm x 2050mm                   | 1650mmx1800mmx2450mm                    |
|                     | Total Weight                               | 1900kg                                     | 2900kg                                  |

Machine tool specifications and component items

|                     |                      | SZGH-540                                         | SZGH-650                                         |
|---------------------|----------------------|--------------------------------------------------|--------------------------------------------------|
| Part Specifications | Screw                | 25mm Taiwan precision p grade                    | 32mm Taiwan precision p grade                    |
|                     | Guide rail           | 25mm Taiwan Precision C3 Grade                   | 32mm Taiwan Precision C3 Grade                   |
|                     | Spindle              | BT30 spindle                                     | BT40/BT30 spindle                                |
|                     | Feeding servo        | X.Y750kw、&1.2kW                                  | X.Y1.5kw、&2.6kW                                  |
|                     | Spindle servo motor  | 3kw/4.5kw                                        | 5.5kw/7.5kw                                      |
|                     | Tool magazine        | 8 magazines                                      | 10/12 magazines                                  |
|                     | Base form            | 1200kg Heavy-duty anti-deformation patented base | 1800kg Heavy-duty anti-deformation patented base |
| Optional 4 axis     | 4 axis center height | 125mm/170mm                                      | 125mm/170mm                                      |
|                     | 4 axis motor power   | 0.75kw/1.2kw                                     | 0.75kw/1.2kw                                     |
|                     | 4 axis system        | SZGH                                             | SZGH                                             |
|                     | 4 axis servo         | SZGH                                             | SZGH                                             |
| Optional 5 axis     | 5 axis center height | 160mm                                            | 160mm                                            |
|                     | 5 axis motor power   | 0.4kw/0.75kw                                     | 0.4kw/0.75kw                                     |
|                     | 5 axis system        | SZGH                                             | SZGH                                             |
|                     | 5 axis servo         | SZGH                                             | SZGH                                             |

The above configuration parameters are for reference,and the configuration listed in the price composition and physical acceptance shall prevail.

SZGH

SZGH-850

Add 4/5 axis on the original model



High efficiency



High precision



High stability

Product Description

On the basis of SZGH-850, a 4-axis rotary table can be added to realize the function of completing multi-faceted three-dimensional processing in one clamping. It is widely used in mold making and other functions that require drilling and tapping or three-dimensional carving on multiple surfaces. Among them, SZGH-850 can support up to 8 station tool magazines on the basis of adding external shafts, and SZGH-850 can support up to 10 station tool magazines on the basis of machining external shafts.

Product Features

- 1. Using Anti-deformation patented heavy-duty base, it is heavy enough to support fast the high-speed and stable movement of the driving head.
- 2. The weight is enough to support the anti-vibration and improve the accuracy and smoothness during bar machining.
- 3. The key components adopt high-quality wear-resistant configurations such as Taiwan, and the spindle installation is all dynamically balanced.
- 4. Adopting SZGH electric control package to make electromechanical cooperation play the best efficiency.

Technical Parameters

| Project             |                                            | Unit  | Standard value                   | Max value                                |
|---------------------|--------------------------------------------|-------|----------------------------------|------------------------------------------|
| Processing capacity | Max. drilling diameter                     | mm    | φ30                              | -                                        |
|                     | Max. Tapping Diameter                      | mm    | M16/M20、Aluminum<br>M10 Steel M6 | -                                        |
|                     | Max. milling cutter diameter               | mm    | φ63                              | φ50                                      |
|                     | Max Spindle speed                          | rpm   | 6000                             | Optional 24,000-rpm<br>motorized spindle |
|                     | Handle Type                                | -     | BT40                             | BT30                                     |
|                     | Magazine capacity                          | -     | 10 magazines                     | 12 magazines                             |
|                     | Repeatability                              | mm    | 0.01                             | 0.01                                     |
| Workbench           | Distance from table surface to spindle end | mm    | Minimum 150<br>Maximum 300       | Minimum 150<br>Maximum 300               |
|                     | Effective stroke of working surface        | mm    | 800*500                          | 800*500                                  |
| Travels             | X-axis effective travel                    | mm    | 500                              | 500                                      |
|                     | Y-axis effective travel                    | mm    | 800                              | 800                                      |
|                     | Z-axis effective travel                    | mm    | 300                              | 300                                      |
| Feed                | X-axis rapid traverse                      | m/min | 30                               | 30                                       |
|                     | Y-axis rapid traverse                      | m/min | 30                               | 30                                       |
|                     | Z-axis rapid traverse                      | m/min | 25                               | 25                                       |
|                     | Various cutting suggested speeds           | m/min | 10000                            | 10000                                    |
| Spindle             | Max. Spindle Speed                         | rpm   | 6000                             | 24000                                    |
|                     | Spindle Motor Power                        | kW    | 7.5kw                            | 7.5kw                                    |
|                     | Spindle type                               | -     | Mechanical spindle               | Optional electric spindle                |
|                     | Spindle taper                              | -     | BT40                             | BT30                                     |
| Dimensions          | Dimensions                                 | mm    | 2200 x 1850x 2550                | 2200 x 1850x 2550                        |
|                     | Total Weight                               | kg    | 3500                             | 3500                                     |

| Machine tool specifications and component items |                     | Specification | Standard                                     |
|-------------------------------------------------|---------------------|---------------|----------------------------------------------|
| Part Specifications                             | Screw               | 32mm          | Taiwan precision p grade                     |
|                                                 | Guide rail          | 30mm          | Taiwan Precision C3 Grade                    |
|                                                 | Bearing             | -             | SZGH                                         |
|                                                 | Spindle             | BT30          | SZGH                                         |
|                                                 | CNC Control         | -             | SZGH                                         |
|                                                 | Feed servo          | -             | SZGH                                         |
|                                                 | Spindle servo motor | 7.5kW         | SZGH                                         |
| Machine specifications                          | Tool magazine       | 12 handle     | SZGH                                         |
|                                                 | Base form           | -             | Heavy-duty anti-deformation<br>patented base |

The above configuration parameters are for reference, and the configuration listed in the price composition and physical acceptance shall prevail.

## POWER HEAD SELECTION



Flying cutter



End-one or side-one power head



End two or side two power head



Two power heads on both sides of the detachable end



End three power head



Side three power head



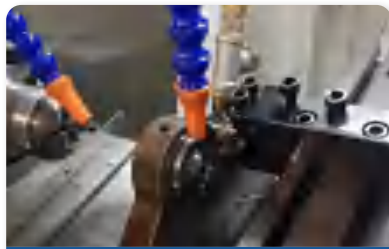
Terminal four power head



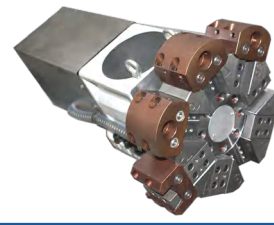
Four power heads on the Y axis side



Y axis 4+4 power head



Install the handpiece



Servo Turret



Hexagon punch

## CNC DRILLING AND TAPPING CNC OPTIONAL

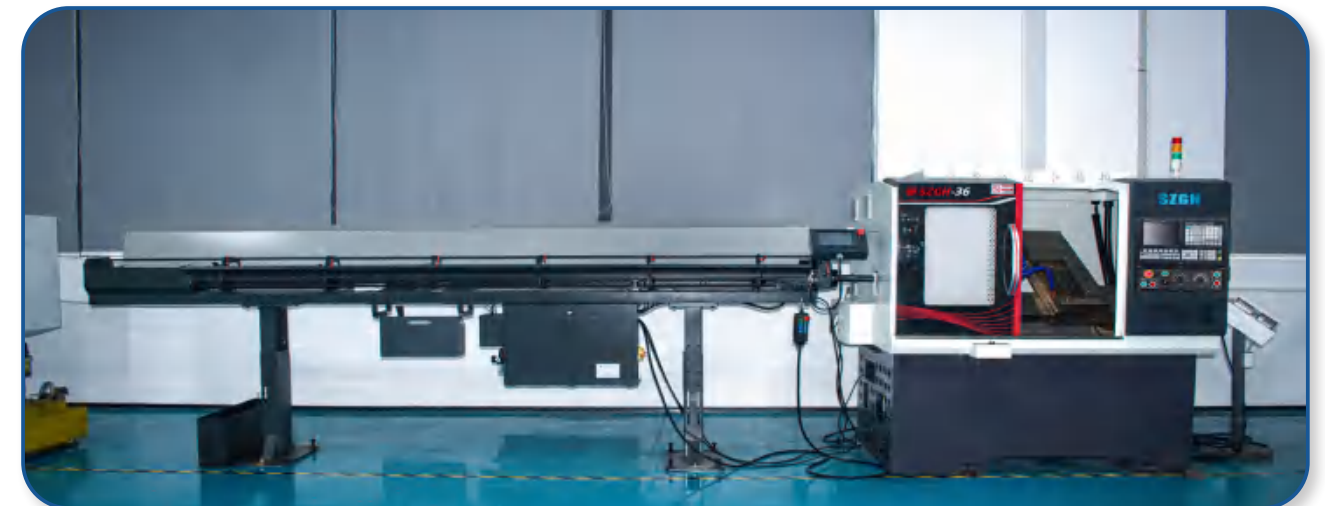


Add four axes



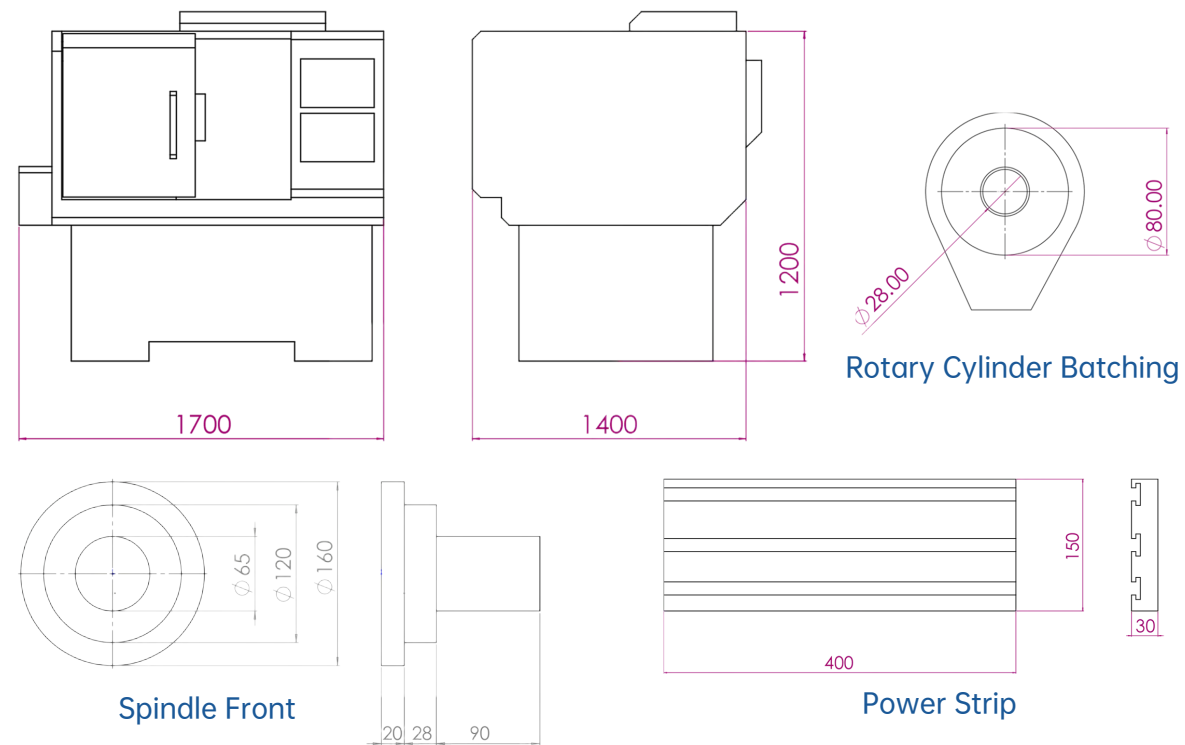
Install tail top four axis

## FEEDING SELECTION

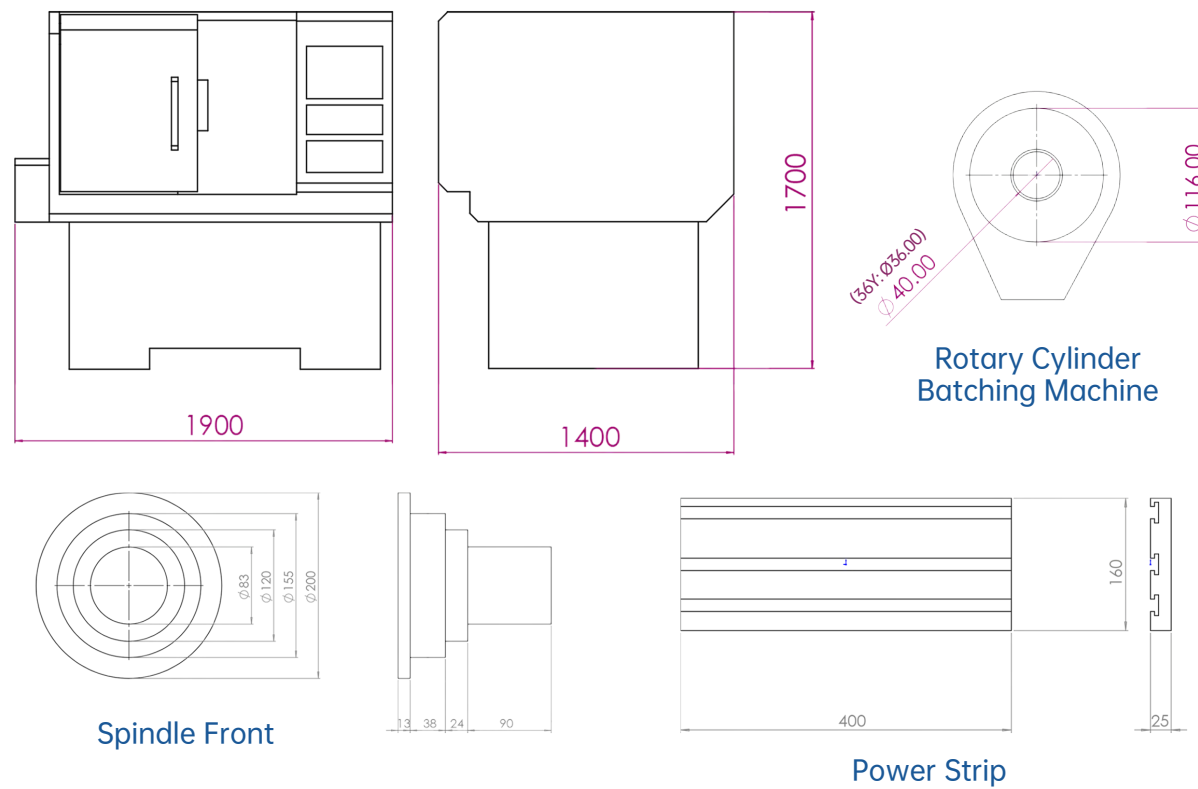


## ■ Dimensional Drawing of Lathe

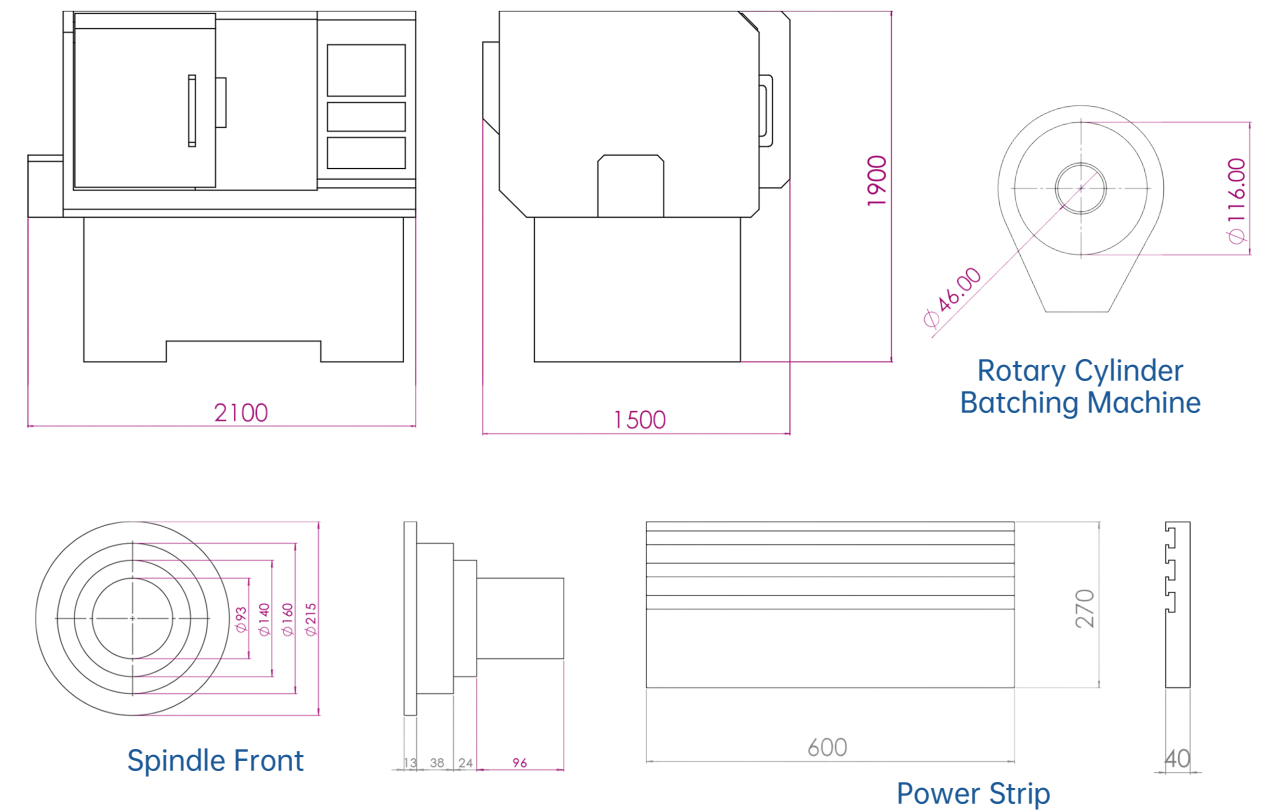
SZGH-25J



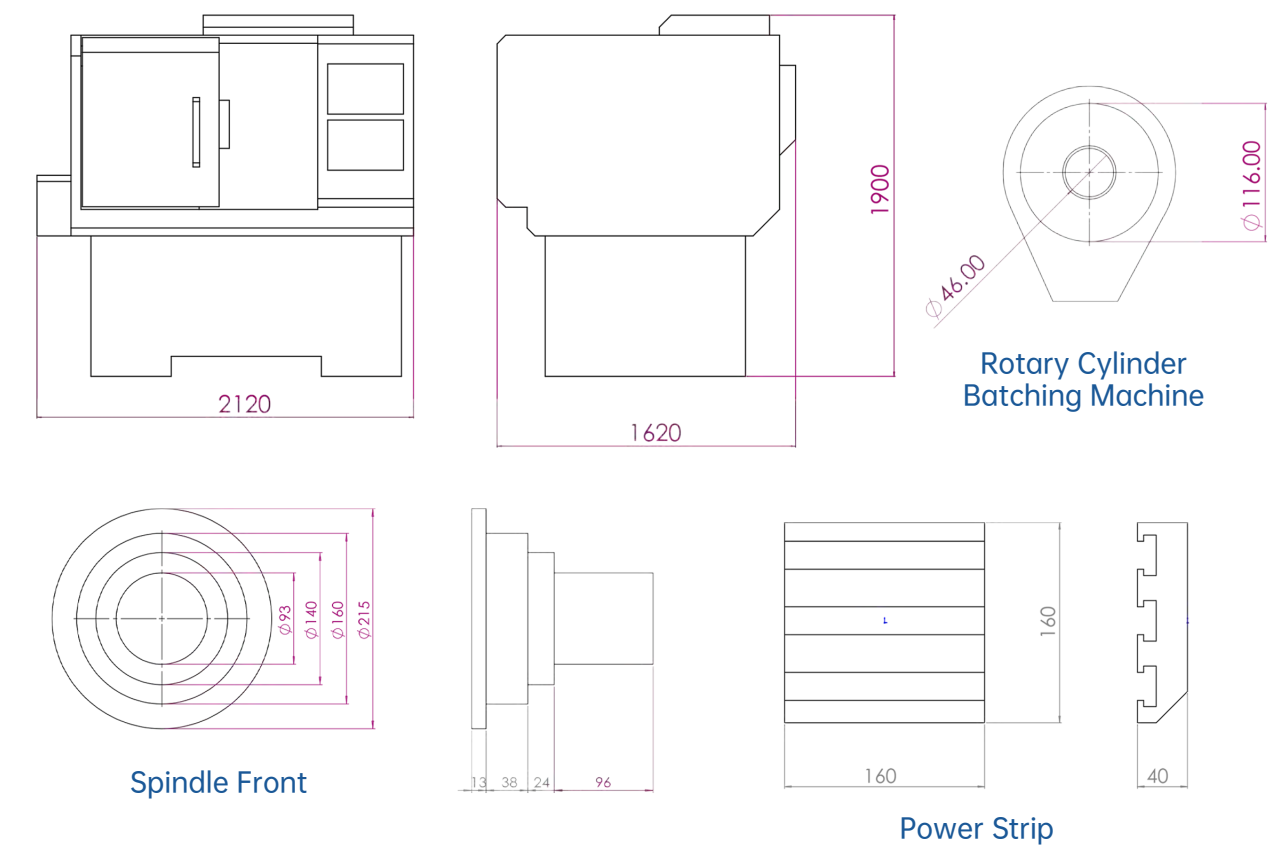
SZGH-36J/36Y



SZGH-46J

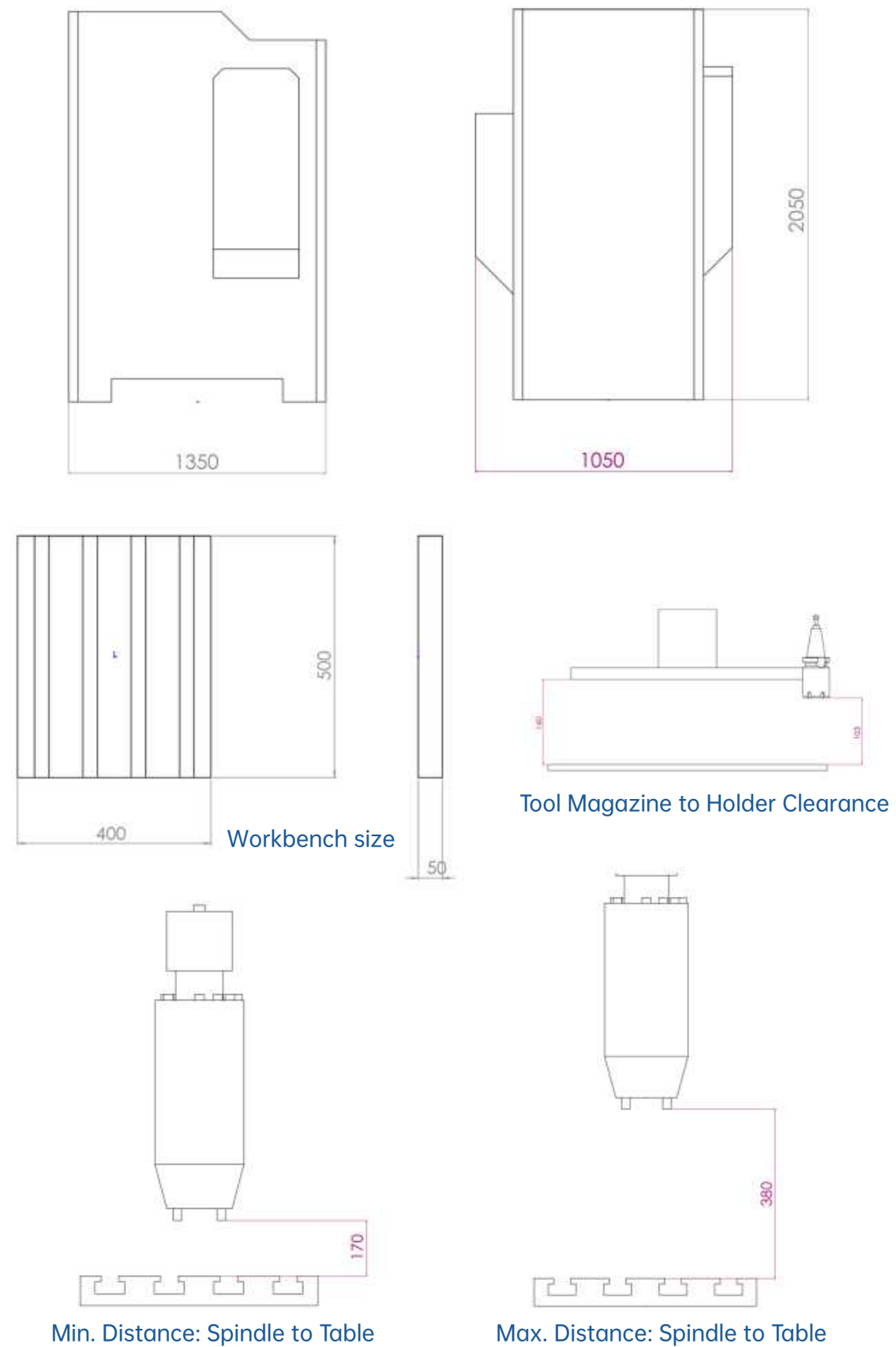


SZGH-46Y

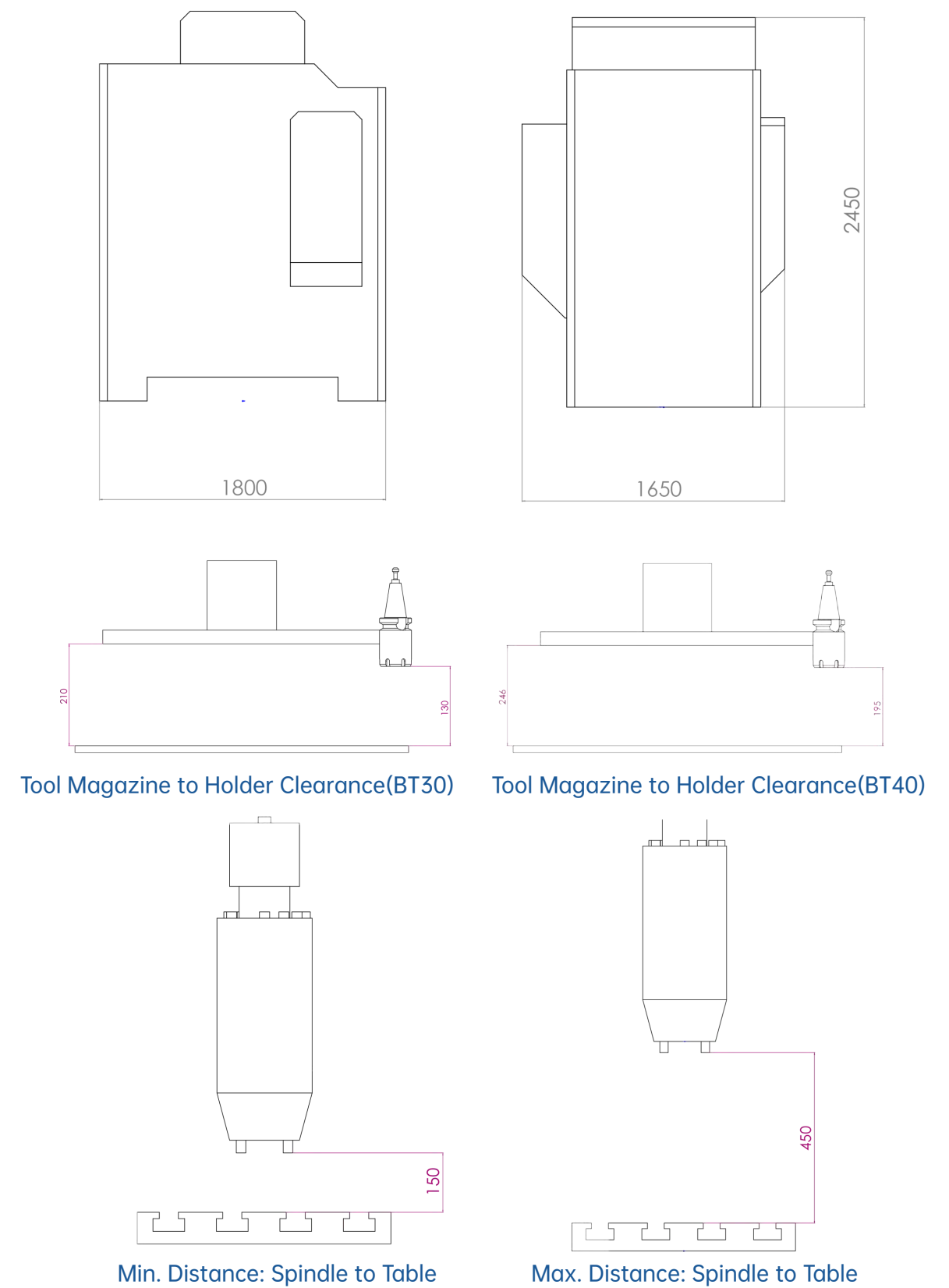


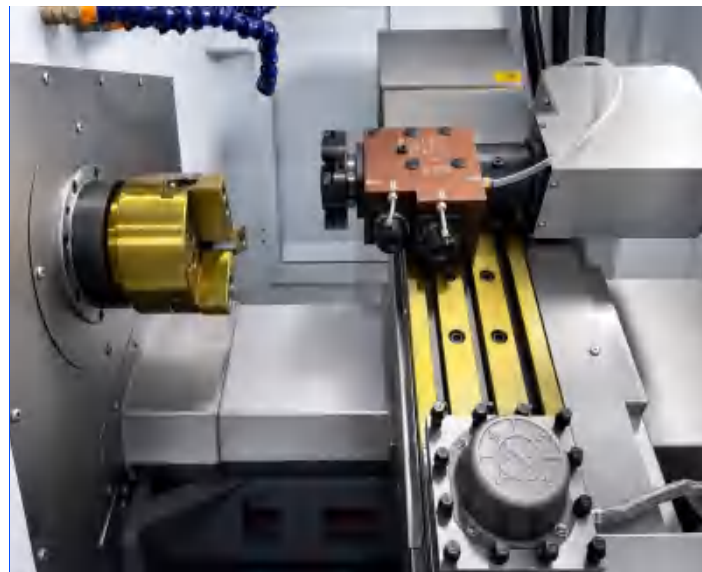
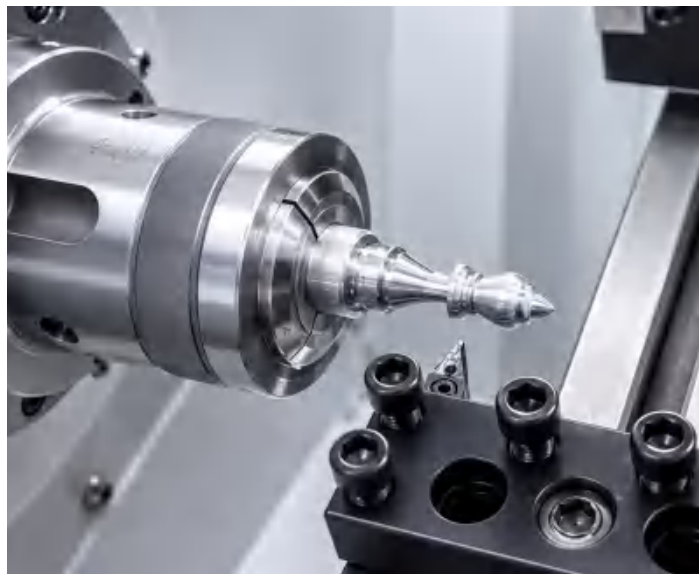
## ■ Dimensional Drawing of Milling

SZGH-540



SZGH-650





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