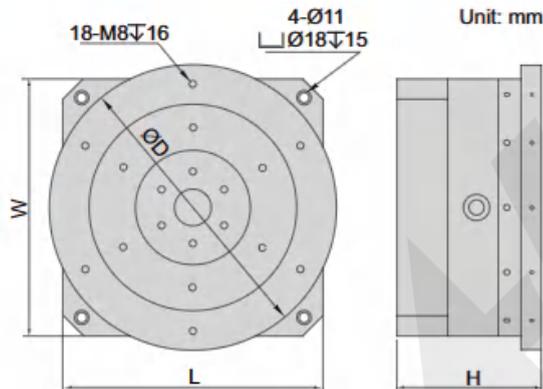




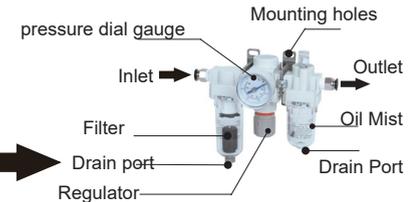
- 1-Rotary table
- 2-Inlet
- 3-Base
- 4-Air filter (filtration accuracy)



Code	Stage size ØD	L×W×H
6875-320	320mm	272×272×161mm
6875-400	400mm	272×272×161mm
6875-500	500mm	272×272×191mm

1. Connect in series according to the following order.

- ① cold dryer →
- ② air source desiccant (installed near the Rotary table position) →
- ③ air filter (vertical installation)



### Attention:

---Once the rotary table is placed, do not unplug the air tube from the filter to the rotary table, keep it clean to avoid contamination.

--- Air source requirements:

- ① Must be dried by a cold dryer, air coarse filtration before use. In order to avoid condensation, it is recommended that indoor installation of drying devices
- ② Indoor position near the rotary table to install another air source drying and regulator filtration, and replace the filter element regularly.

--- Air supply pressure: 0.4-0.6MPa.

---Be sure to check whether the air supply pressure is in place before starting, otherwise it will cause irreversible damage to the rotary table.

---Prohibit rotating the rotary table without air supply.

Note: The above must be carried out as required, otherwise bear all losses.

1. Air floating rotary table is the use of gas static pressure principle, with the help of a set of air supply system to cool and dry filtered air, through the pressure compensation element (restrictor/flow valve, etc.), into the air cavity to form a highly damped gas film, so that the moving parts suspended, and always in a non-contact state.

2. The air floating rotary table is mainly used to test the round-

3. Specification:

Radial/axial rotary accuracy	0.3 $\mu$ m
Radial stiffness	250N/ $\mu$ m
Axial stiffness	500N/ $\mu$ m
Max. load	100kg

4. Calibration.

- Keep the surface of the turntable table and the standard glass hemisphere clean.
- Install the clamping device to a appropriate position on the rotary table and install the standard glass hemisphere (Fig.1).
- Adjust the universal clamping support to make the tip of indicator contact with the sphere, rotate the table to observe the indicator reading. When the A adjusting hole rotates to the position of the indicator tip (Fig. 2), the indicator reading is set to zero, the B adjusting hole rotates to the position of indicator tip when the indicator reading is recorded B, the C adjusting hole rotates to the position of the indicator tip when the indicator reading is recorded C. Repeat the adjustment of the ABC adjusting holes until the deviation of the ABC reading is less than 0.2 $\mu$ m.



Fig.1

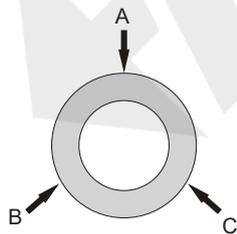


Fig. 2

5. Measurement.

- Keep the surface of the work piece clean.
- Mount and clamp the measured work piece for inspection (Fig. 3).



Fig. 3

Optional Accessories:

- High Precision Digital Indicators (Code 2133 Series, 2134 Series), Standard glass hemisphere (Code 6875-BALL), Clamp for glass hemisphere (Code 6875-CLAMP)

Maintenance:

- After use, keep the air ventilated for a period of time, do not shut off the air supply immediately.
- Avoid shock loads.
- Protect the measuring surface from scratches and knocks, and protect it with oil after use.