

# PRECISION AIR FLOATING ROTARY TABLES

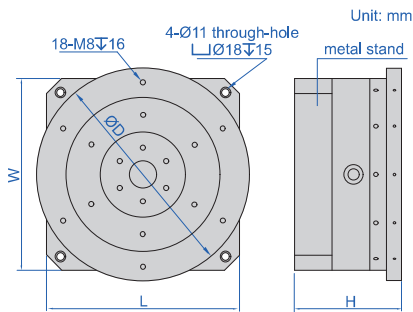
CUSTOM-MADE  
SUPPLY SPECIAL SIZES ACCORDING  
TO CUSTOMER'S REQUEST



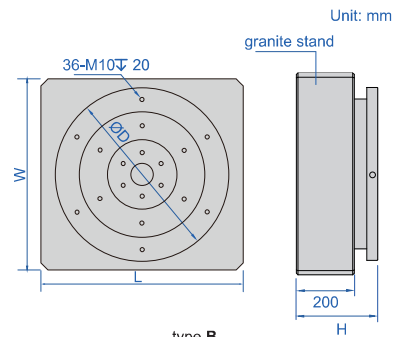
6875-320



6875-600



type A



type B

- Manual drive
- Floating by air pressure, the rotary table can rotate smoothly and be free from wear
- Air filter is included

Code	Stage size ØD	Type	Max. load	Air supply pressure	Max. RPM	Rotation accuracy in radial/axial	L×W×H (mm)
6875-320	320mm	A	100kg	0.4-0.6Mpa	500RPM	<0.3µm	272×272×161
6875-400	400mm	A	100kg	0.4-0.6Mpa	500RPM	<0.3µm	272×272×161
6875-500	500mm	A	100kg	0.4-0.6Mpa	500RPM	<0.3µm	272×272×191
6875-600	600mm	B	500kg	0.4-0.6Mpa	500RPM	<0.3µm	700×700×262

### Glass hemisphere for calibration (optional)

Code	Roundness
6875-BALL*	0.05µm



6875-BALL

### Clamps for glass hemisphere (optional)

Code	Remark
6875-CLAMP	for type A
6875-CLAMP-B	for type B



6875-CLAMP

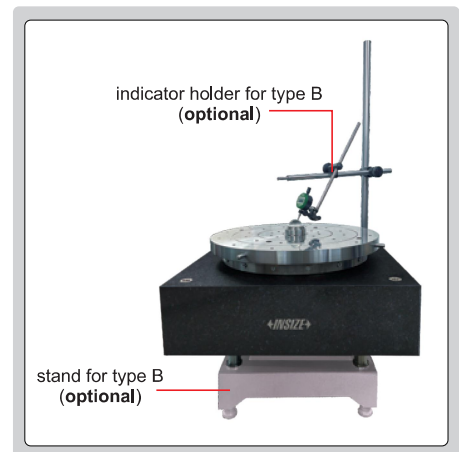
### Software for runout measuring (optional)

Code
6875-SOFTWARE

- Measuring the coaxiality and runout of shaft workpieces
- Measuring the runout at the blade tips
- Real-time measurement waveform diagram
- The measurement data is saved automatically, and can be checked at any time and exported to EXCEL

Code	Remark
6875-STAND-□□□□	stand for type B, <b>optional*</b>
6875-HOLDER-□□□□	indicator holder for type B, <b>optional*</b>

\*Custom-made according to requirements



coaxiality measurement

Runout measurement system

Coaxiality: 116.5 um Eccentricity: 58.3 um

Angle: 312.4 ° Realtime: 7.4 um

Sampling points: 6

Channel selection: CH1

OK Clear

Number	Angle °	Runout um	Sample
1	0.00	0.0	Sample
2	60.00	0.0	Sample
3	120.00	0.0	Sample
4	180.00	0.0	Sample
5	240.00	0.0	Sample
6	300.00	0.0	Sample

runout values for each angle

sampling points channel setting

coaxiality measurement

shaft measurement

Runout measurement system

Test type:  Shaft  Blade

Channel1:

Realtime: 1.4 um

Runout: 39.4 um

Start Stop

Channel2:

Realtime: 0.1 um

Runout: 25.2 um

Start Stop

channel 1 waveform diagram

channel 2 waveform diagram

shaft runout measurement

blade tips measurement

Runout measurement system

Test type:  Shaft  Blade

Channel1:

Realtime: 0.5 um

Runout: 231.8 um

Start Stop

Channel2:

Realtime: 0.2 um

Runout: 0.0 um

Start Stop

blade tips waveform diagram

Max. per blade tip

Channel1 Max. per blade tip: 280.1, 236.4, 182.6, 90.7, 94.2, 248.1, 312.2, 283.3, 211.6, 238.7

blade tips runout measurement