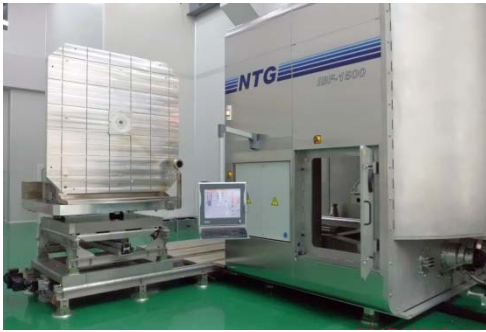


# NTG

## IBF 1500



### Technical data:

Working range: Ø5mm-Ø1500mm  
Ø0.2 inches - Ø59 inches  
Thickness: 520 mm (20.5 inches)  
Weight: max. 1000kg (4545 lb.)  
Radius of curvature: ≥ 2250mm (88.5 inches)  
Shape: concave, convex, plane  
spherical, aspherical, freeform  
Load lock system: no, high speed pumping system

### Number of axes:

Type: 1500-3 X,Y,Z,A (manually)  
Travel X = 1650mm  
Y = 1800mm  
Z = 200mm

### Dimensions:

Weight: 21300kg (46864 lb.)  
Dimensions:(wxhxd) 7,40m x 7m x 3,95m  
(291 x 276 x 156 inches)  
Footprint: 8m x 8m  
315 x 315 inches

### Power supply:

Mains requirement: volt. 400V – 3 phases +N+PE  
Mains requirement.: frequency 50-60 Hz  
Current per phase max.: 63 A  
Power requirement: max. 44 kW / Average 9 kW

### Utilities supply:

Nitrogen:  
Pressure: 1..3 bar g (15..45 psi)  
Purity: 99,99 %  
Argon:  
Pressure: 0.7 .. 1bar g (10.5..15 psi)  
Purity: min. 99.9990%(5.0)  
Dry air vor venting  
Pressure: 1..3 bar g (15..45 psi)  
Quality class to ISO 8573-1 2 4 0  
Compressed air:  
Pressure: 4..10 bar g (60..150 psi)  
Quality class to ISO 8573-1 2 4 1  
Cooling water pressure: 5 .. 6 bar g (60 .. 90 psi)  
Cooling water temp.: 20°C (68°F)  
Cooling water temp.-stab.: +/- 0.5°C  
Vacuum pumps exhaust flange DN 100 ISO-K



The IBF-1500 is a procedural plant for nanometer exact correction of large optical surfaces, especially mirrors. The first IBF-1500 was build 2010/2011. Orientation of the workpiece is vertical.