GI-2P / GI-3P / GI-AP

5-AXIS GRINDING AND POLISHING OF Ø < 500 MM
Processing of diameters up to 500 mm

Multiple applications: spheres, aspheres, plano optics and prisms

OMM touch measuring system for center thickness and form verification

Adaptive Aspheric Polishing Tool (ADAPT)

FEATURES + BENEFITS

Flexibility

- Universal: grinding and polishing of spheres, aspheres, prisms and other complex shapes in different modes
- Tailor-made machine versions meeting your specific demands
- Processes various hard and brittle materials such as glass, ceramics, crystals, etc.

Efficiency

- Up to two tool spindles mean faster processing and shorter cycle times
- CAMPos: integrated post processing for CAD/CAM applications
- Reduced setup time with integrated measuring probe for center thickness and work piece geometry
- Integrated dressing process for polishing tools saves time

Reliability

- High stability and low vibration through proven polymer concrete machine base
- Direct driven tool spindles for highly dynamic axis movements
- Stable and repeatable form accuracy through cooled axes and drives
- 3D simulation mode for high process safety
- Integrated quality assurance system (IQS) for highest achievable surface quality in spherical processing

Ease of use

- Front-loaded tool changer (GI-2P) manages 10 tool changing slots for fully automatic processes that require different tools
- Easy job setup and editing via guided software interface BaSyS

OPTIONS + ACCESSORIES

- OMM-touch measuring system
- Various software modules for specific process steps on GI-2P and GI-3P
- ADAPT package for polishing machine GI-AP
- Tool changer for GI-2P
- Coolant & chiller systems
- Scooping domes, diamond tools, lens receptions, measuring units, consumables
- Spherometer rings

TECHNICAL INFORMATION

Dimensions (w x d x h) 1670 x 2660 x 2530 [66 x 105 x 100 in]

Working range up to Ø 500 mm