

# GI/GI-AP

5-AXIS GRINDING AND POLISHING OF  $\varnothing < 500$  MM



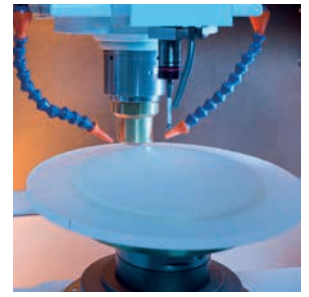
Processing of diameters up to 500 mm



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

### 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 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
- ADAPT package for polishing machine GI-AP
- Tool changer
- Coolant & chiller systems
- Scooping domes, diamond tools, lens receptions, measuring units, consumables
- Spherometer rings

## TECHNICAL INFORMATION

<b>Dimensions (w x d x h)</b>	1670 x 2660 x 2530 mm (66 x 105 x 100 in)
<b>Working range</b>	up to Ø 500 mm

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