



Automatic Curve Generator with Robot

The CG 2.0 automatic lens curve generator is able to grind spherical curves on lenses in a fully automatic cycle, including loading and unloading of the workpieces by pick and place robot.

Productive

The machine is supplied with two lens holding pallets. Depending upon the size of lenses to be processed up to 428 lenses can be loaded for fully automatic processing. Once processing parameters are set by operator, the machine can run uninterrupted and without operator intervention.

Efficient and Simple to Operate

This is a very efficient production machine that can process 40~200 lenses per hour.

Manufacturer:



SIDAI Precision Industrial Co., LTD., Korea

Sales Agent:



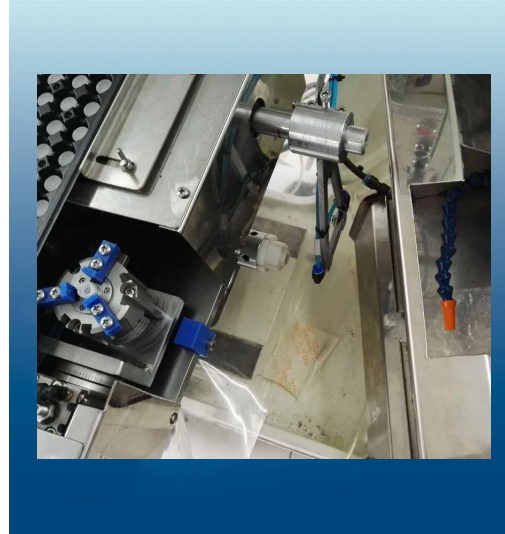
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Sidai_CG-2.0 AT2_r1

Automatic Curve Generator with Robot



**CG 2.0 AT2
Automatic Lens
Curve Generator**



**Lens collet chuck/
Grinding Compartment**

Machine Specifications:

Specifications

Lens Radius Range	+/- 3mm ~ Plano; +/- 0.003 mm
Lens Diameter Range	3 ~ 35 mm
Grinding Spindle Speed	8,000 / 12,000 (2-step)
Chuck Spindle Cross Travel	+/- 60 mm
Chuck Return Travel	+/- 50.5 mm
Chuck Spindle Speed	0-30 RPM (inverter control)
Head Angle Setting	0 ~ 45 degrees
Electricals	220V, 3-phase, 60 Hz.
Power required	1.5 Kw
Air Pressure	0.5 MPa or 5 kgf/cm ²
Overall dimensions (LxDxH)	1,500 x 1,200 x 1,550 mm
Net Weight	800 Kgs

Machine Features:

- Efficient production of diverse range of lens radius from +/- 3mm ~ flat
- High accuracy radius generation: +/- 0.003mm
- Simultaneous curve generation and edge chamfering is possible
- High throughput is suitable for mass production
- Operator can control spindle speeds by inverter
- Superior materials are selected to provide high accuracy and lasting durability

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