



## P II

CNC Polisher for Spheres,  
Aspheres & Plano Optics



High quality polished surfaces, exceptional precision  
Satisloh – Optical Manufacturing Solutions.

**satisloh**



Polishing spheres & plano optics



Tool dressing feature



Polishing aspheres



Various applications: spheres, aspheres, plano optics



PII Polishing Machine

## Features

- **PII machines polish**
  - spheres (concave & convex)
  - plano optics
  - aspheres (optional)
- **Two basic versions available**
  - PII-2: 1 workpiece spindle, 1 tool spindle
  - PII-3: as PII-2 but with additional tool dressing spindle
- **Spherical polishing with Synchrospeed and Variospeed method**

	PII-2	PII-3M	PII-3L
<b>Working range [mm]</b>			
Syncrospeed	ø 150	ø 120	ø 150
Variospeed (option)	ø 200	ø 150	ø 200
Aspheres (option)	ø 280	ø 100	ø 100
Tool ø [mm]	max. 310	max. 220	max. 310
# spindles	2	3	3

## Benefits

- High quality surfaces with exceptionally accurate radii
- Unique stable construction, solid design
- Integrated tool dressing feature (PII-3)
- Easy process set-up and control
- Water cooled drives for consistent repeatable accuracy
- Integrated working chamber cleaning system with separated controlled circuit (optional)
- Easy operation and programming with Windows™ based graphic user interface and online diagnosis
- Integrated auto touch tool height measuring system

## Technical Information

- **Energy Requirements**
  - Electric: 400 V, 50/60 Hz, 4.5 kVA
  - Compressed air: 6 bar, consumption: 200 l/min.
- **Dimensions & Weight**
  - 1.700 x 1.700 x 2.100 mm (W x D x H; without control panel), weight: 1.900 kg

## Options, Consumables & Tools

- **Options**
  - Digital temperature controlled slurry system
  - Asphere / Variospeed module
  - Integrated cleaning system with separated water and polish circulation
- **Consumables & Tools**
  - Various coolants & tools available from Satisloh

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