



# S II

CNC Generator  
for Spheres & Plano Optics

Pre-/fine grind in one process cycle,  
ready to polish, high precision surfaces  
Satisloh – Optical Manufacturing Solutions.

**satisloh**



Pre-/fine grind in one process cycle



Beveling / diameter reduction



Integrated measuring system for centre thickness & lens diameter



Easy to use with graphical user interface



SII-3 Grinding Machine

## Features

- **3 spindle machines (2 tool spindles, 1 workpiece spindle) for pre- and fine grinding** plus edging spheres and plano optics
- **Integrated measuring system (IQS)** automatically determines correction values using measured center thickness and sagittal height for stable processing
- **Process steps:** pre-/fine grinding, edging, bevelling, steps, grooving, polishing tool dressing

	<b>SII-3M</b>	<b>SII-3L</b>
<b>Working range [mm]</b>	Up to 120	Up to 200
Tool spindle [rpm]	16,000	10,000
Tool ø [mm]	140	140

## Benefits

- Large working ranges
- Solid construction for high accuracies
- Easy to use with graphical user interface and 3D graphic simulation
- Completely enclosed working chamber
- Integrated centre thickness measuring system
- Precise and fast processing, even with large diameters, because of high power tool spindles and dynamic drives
- High process reliability thanks to automatic controlled feed speeds and IQS
- Easy crosscut adjustment
- Direct driven tool spindles for high surface quality
- Water cooled drives for consistent repeatable accuracy

## Technical Information

- **Energy Requirements**
  - electric: approx. 6 kVA
  - Compressed air: 6 bar, consumption: up to 200 l/min.
- **Dimensions & Weight**
  - 1.700 x 2.100 x 2.100 mm (w x d x h), weight: 1.900 kg

## Options, Consumables & Tools

- **Options**
  - Cooling system
  - Centrifuge 125 l
  - Interface to sagittal height measuring system
- **Consumables & Tools**
  - Various coolants & tools available by Satisloh Opticservice