



PR-150-SL

Prism Grinding

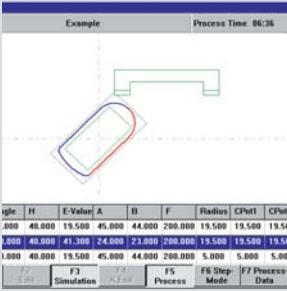


Precise and versatile, produces surfaces & radii at prisms with high angular accuracy without re-clamping.

satisloh



Universal: The PR-150-SL processes surfaces including radii of numerous different kinds of prisms.



High process safety by graphical process simulation.



Features:

- The PR-150-SL processes all prism surfaces on one level – including different radii – in only one cycle
- **Working range**
Up to 150 mm largest diagonal of workpiece (symmetrical)

Benefits:

- **Highly precise angles** of plano surfaces in relation to each other, using rotational axis with an accuracy of 30"
- **Easy operation** using Windows, graphical representation of input parameters
- **Fast set-up**
Simple chucking devices make re-tooling fast & easy
- **Error-free programming** by graphical process simulation and plausibility checks of all input data
- **Efficient processing**
The PR-150-SL automatically calculates initial and finish points plus radii centers and determines all process steps
- **Cost effective** through optimum dimensioning of control and drive components
- **Optimized cutting performance** by infinitely variable feed rate. Also allows the machine to adapt to any workpiece geometry
- **High process speeds** by high dynamic drives
- **Easy maintenance**
- **High accuracy and minimized pyramidal errors** by rugged, compact design
- **Compact construction, small footprint**

Technical Information:

- **Energy requirements**
Electrical: 3 kVA
Compressed air: 5 bar, not oiled
- **Control**
3 CNC axis continuous path control with prompt facility
- **Dimensions** (w x d x h):
1000 x 1635 x 1306 mm
39 x 64 x 51 inches
- **Tool speed**
Infinitely variable, 2000 – 5000 rpm
- **Weight**
1080 kg / 2384 lbs
- **Process feed**
0.1 – 100 mm/minute, infinitely variable
rapid feed: 3000 mm/minute
- **Tool diameter**
100 mm outside diameter (150 mm max.)
- **Workpiece materials**
Glass, all brittle materials e.g. silicon discs
- **Cycle accuracy of rotational axis:** 30"

Options, accessories & consumables:

- Remote maintenance via modem
- Network connection
- Coolant tank with centrifuge
- Emulation software
- Various coolants & tools available
- Integrated cleaning system with separate water and polish circulation
- Satisloh supplies diamond tools and customized prism receptions on demand

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