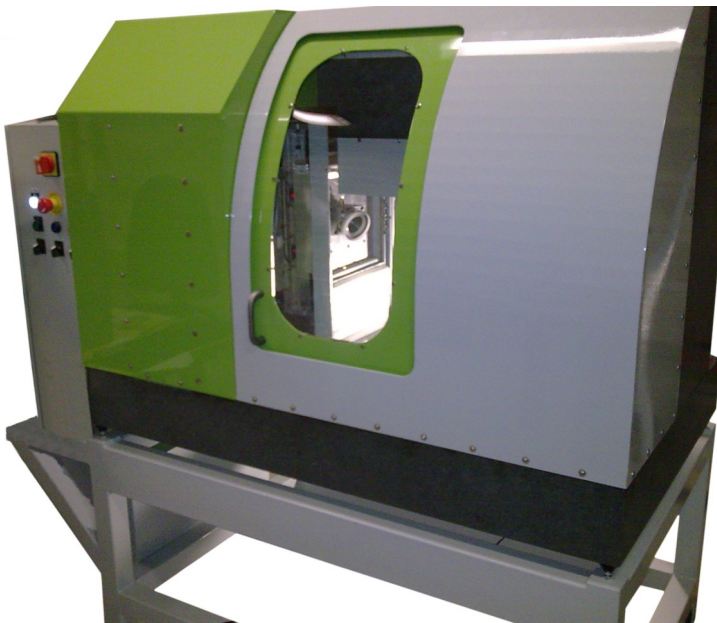


GVO¹⁰⁰

Surface generating machine

A NEW DESIGN FOR THIS TYPE OF MACHINE



○ **Modular**

○ **Precise**

○ **Undertaking**

○ **Ingenious**

○ **Eco-designed**

○ **Efficient**

VISI  **PTIMUM**

www.visioptimum.com

Competitive advantages of the new machine

“Intuitive” It uses:

- A simplified HMI.
- A computer that is directly linked to the Internet to enable receiving the parameters directly.
- Loading and unloading automation.

“Very easy to use and operate”.

“Flexible” It machines:

- All surfaces: spherical, toric, aspherical, progressive and free form
- All materials used in ophthalmic optics: CR39, polycarbonate, high index
- All convex and concave surfaces +/-30 dioptres, with or without prisms, diameter 95 mm max.

It is universal and cost effective!

“Precise” It machines:

- Point by point with CNC using high-speed machining algorithms.
- It eliminates all faults and selects the best trajectory for the tool.
- Machining trajectory that adapts to spiral or bi-directional sweeping

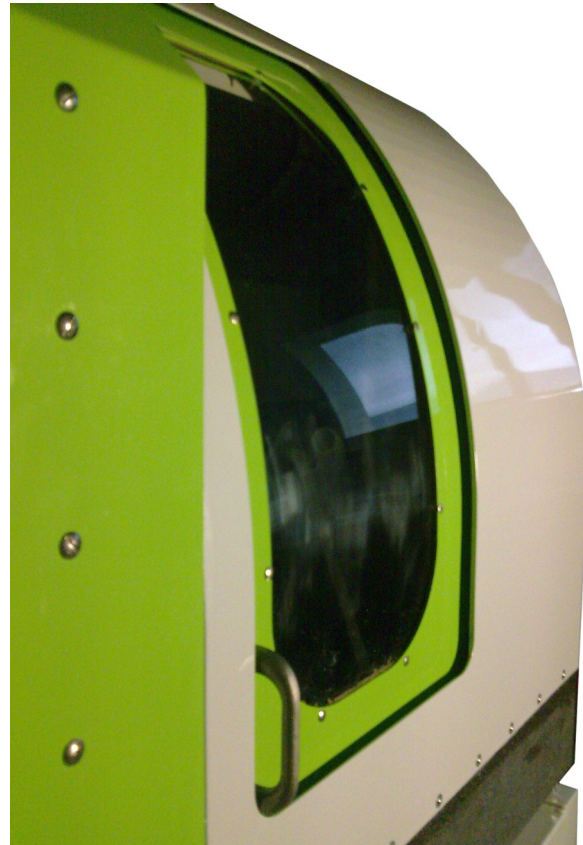
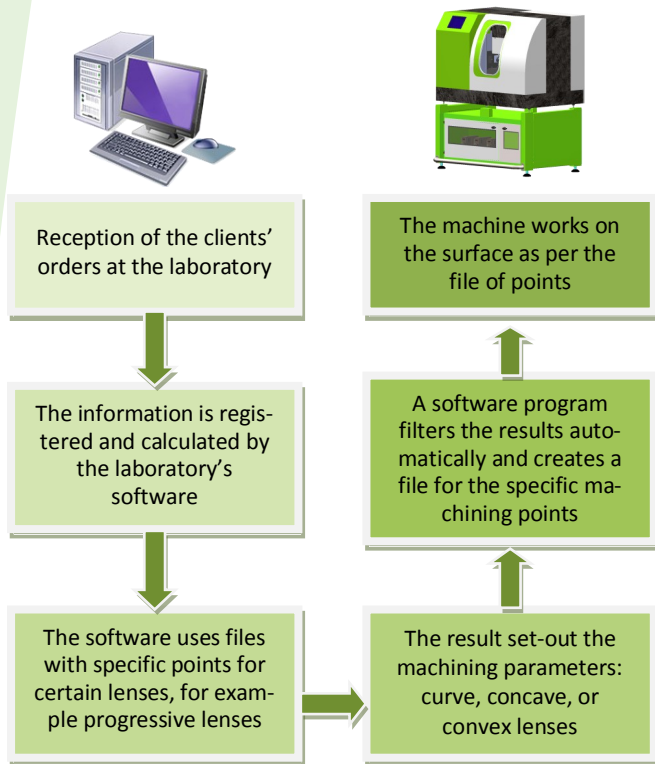
Precision, reliability and minimal maintenance!

“Effective” It has:

- One tool for surface generating, cutting the surround shape and chamfering.
- Two stamps for lenses to enable machining on two surfaces within the same cycle
- A lens fixing system: Ø43 mm or by vacuum/suction without having to disassemble the fixture.
- Very low electricity requirements: 5kw / single phase 230 V
- A small and compact size: Width x Depth x Height: 1272(W)*870(D)*1425(H)
- An eco-design

Value for money, and performance at a decisive price.

From order to the machining



Environmental and eco-friendly design :

Eco-design is the addition of various elements to the standard design of a product while bearing in mind the environmental restraints, the product life cycle including raw materials until the product's end of life, all this by satisfying the needs relevant to cost, the clients' needs and the technical feasibility of the design.

Eco-design is not only aimed at reducing the environmental impact of a product, but also enables a different perspective for innovation and creativity. The machine is designed with all of today's parameters in order to bring the advantages of tomorrow's benefits.

features

Lens diameter - up to 95mm / two surfaces

Clamping system - block Ø43mm and/or vacuum

Tool speed - 0 to 50000 rpm

Curve range - concave ou convex ±30 diopters

Controlleur - 32-bits High Performance CNC-controls

Material used - CR39, High Index, Polycarbonate

utilities

Input voltage	Single phase + earth, 230V
Power requirement	5kW
Air pressure requirement	6 bars
Machine weight	1180 kg

size

