IMPACT 2
freeformer

high technology multiform
generator



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for RX prescription laboratory

Features

- 5 working axes (X, Y, Z1, B, W) / optional 6th axis Z2
  Interpolated X and Y axes based on high speed linear motors
  Z1 / Z2 axes: special-patented ultra speed motors
- Interpolated B axis (lens) - 5000 rpm.
- Direct drive motor spindle W axis (generation wheel) at 18000 rpm.
- Automatic millesimal device for semi-finished and finished lens control
- Automatic millesimal device for lens diameter control
- Diameter reduction and lens pre-shape
  "elliptic and programmable forms"
- Controlled programmable bevelling
- High speed feedback on operative system kernel
- Pneumatic and I/O controls based on ModBus technology
- Separated antivibration double structure

Control panel - PC system

- Innovatory graphic user interface
- Dedicated software by COMES Zanzaform PRO
- Touch screen interactive user interface
- Relational data base for lens parameters
- LAN Net connection
- Internal modem
- Serial port RS 232

Optionals

- Remote control service
- Integrated automatic loader for prescription box
- Automatic barcode scanner for lens data entry
- Cooling system
- Multiform sofware generation (freeform)

Materials

- CR 39 / Trivex®
- Mineral glass
- Polycarbonate
- Plastic high index
- Aluminium and plastic tools

Production

Ready to polish

- All ophthalmic forms + FREEFORM

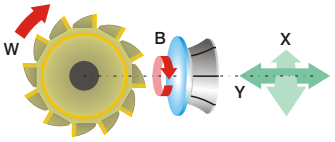
Integrated technologies





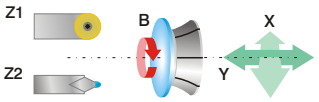
Technical data

DIMENSIONS	mm. 2800 x 1900 x 1500 h / kg. 2100 ca.
NOISE	65/70 db.
ELECTRIC POWER	9.5 Kw. Installed + 3.5 chiller
ELECTRIC CONSUMP.	15/18 A (in cycle)
COMPRESSED AIR	6 bar
TOOLS	Generating:



- Polycrystalline diamond wheel
- Sintered diamond wheel

* Galvanic, Carbide and for Aluminium available on requirement



Fining

- PCD tool
- Diamond tool

Axes

X : Position ± 0.001 mm. - max. speed 500 mm./sec.

Y : Position ± 0.001 mm. - max. speed 500 mm./sec.

Z1/Z2: Position ± 0.001 mm. - max. speed 625 mm./sec.

B : Position ± 0.008° - 5000 rpm.

W: Rotation 0 to 18000 rpm.

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