

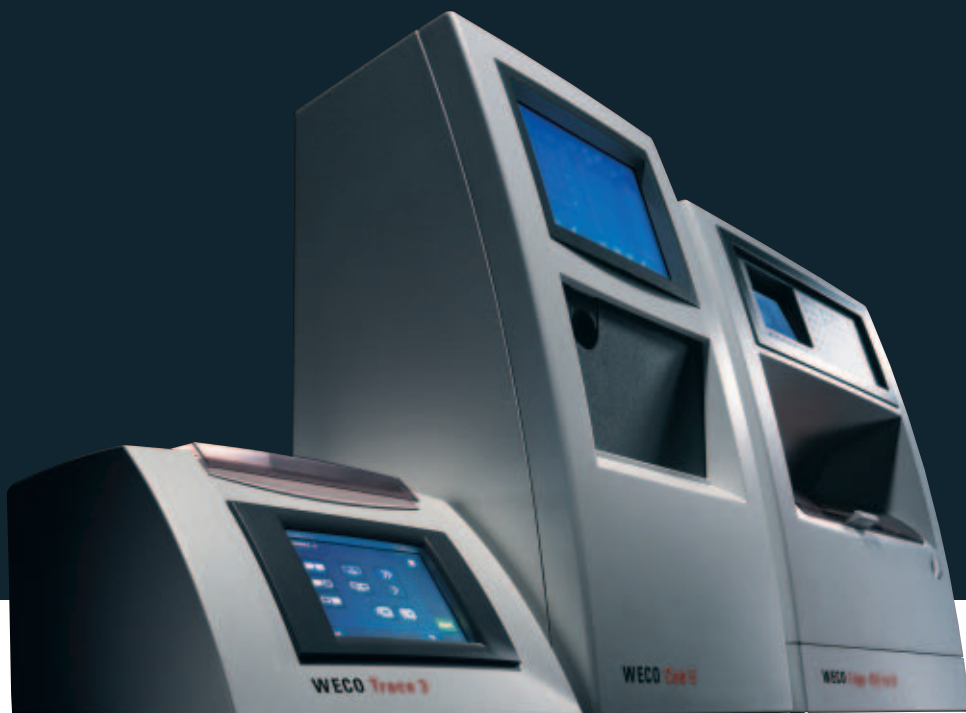


Optical Machinery by WECO
Product overview

Future with System.

Trace 3, Cad 5 and Edge 455 drill.

Form and Function by WECO



The new Generation

With appealing design and pleasing functionality Weco's new generation is convincing. Tracing is performed with absolute precision using fully automatic processes, and an intuitive graphic display is employed to control functions and display the lens form. Accurate decentration and blocking together with an Optical Trace system for automatic drill hole detection, plus the innovative Modifier for rimless lens shape modification. Adaptive edging with variable lens clamping and grinding pressure to facilitate processing of extreme shapes, different materials and special coatings - remembering that WECO has more than 5 years experience with automatic drilling.

Trace 3

User friendly 3D-Tracer with groove-angle measurement for exact fitting precision.

- > Automatic clamping of frame
- > Graphic display of 3-D tracing data, shape and lens contraction
- > Graphical representation of the right and left lens shape in 2-D and comparison of measurement values

Cad 5

The advanced decentration and blocking system with shape modification.

- > Modifier for shape modification
- > Optical trace functionality for optical measurement of lens shape and drill hole coordinates
- > High-tech optical recognition and image processing system
- > Enhanced measurement of vertex power

Edge 455 drill

High-End Edger with integrated drill function.

- > Variable clamping pressure for flat lens forms
- > Adjustable edging pressure for multi-coated lenses
- > Fully automatic drill attachment
- > Automatic edge grooving
- > A choice of lens bevelling programs
- > Grinding wheel configuration options including polishing

WECO. Visible Progress.

WECO - the expert for lens edging machinery.



Edge 450 drill

„Top of the Line“ multi-function edger with high production capability

- > Fully automatic drill attachment for all plastic lens materials
- > Automatic edge grooving for all plastic lens materials
- > A choice of lens bevelling programs
- > Grinding wheel configuration options incl. polishing
- > „Lens-fitting“ foil cutter option
- > Pneumatic lens clamping
- > Automatic edging process monitoring



Edge 450

High-End Edger high production machine with multiple functions

- > Automatic edge grooving for all plastic lens materials
- > A choice of lens bevelling programs
- > Grinding wheel configuration options incl. polishing
- > „Lens-fitting“ foil cutter option
- > Pneumatic lens clamping
- > Automatic edging process monitoring



Edge 430

Dependable CNC edger for lower production requirements

- > Capable to process all lens materials
- > A choice of lens bevelling programs
- > Edging wheel configuration options incl. polishing
- > Lens-fitting foil cutter option
- > Automatic edging process monitoring



W2D

CNC automatic edger for 2-D bevel edging

- > To process all lens materials
- > Up to four grinding wheels
- > Integrated pattern adapter
- > Edging wheel configuration options incl. polishing

WECO - the expert for CNC-centring systems.



Verifier Pro

The industrial centering and blocking system with integrated lensmeter

- > Automatic measuring of ophthalmic lenses with absolute accuracy
- > Possibility to damage to expensive lenses eliminated as the optical surfaces are not touched by the verifier pro.
- > Automatic centering and blocking, reference points and cylinder axes are determined automatically and with great accuracy
- > Reduction in blocking errors with the uncut lens shape superimposed over the actual lens shape
- > Improved efficiency with fewer operating steps, shorter cycle times, reduced spoilage, greater precision and very dependable



Cad 5

The advanced decentration and blocking system with shape modification

- > Modifier for shape modification
- > Optical trace functionality for optical measurement of lens shape and drill hole coordinates
- > High-tech optical recognition and image processing system
- > Elimination of lensmeter for the power measurement and detection of optical center for single vision lenses
- > Fewer manual processes during the whole production process
- > Increase of profitability due to a reduction of operator error and wastage



CAD III

Precise CNC-centring system without systemic errors

- > No parallax- or blocking errors
- > Gimbals suspended lens support for prismatic lenses
- > Motorised blocking process for error free and exact lens blocking
- > High resolution adjustable monitor
- > Capable to determine the drill-hole coordinates on rimless lenses



CAD II

Operational CNC-lens layout system

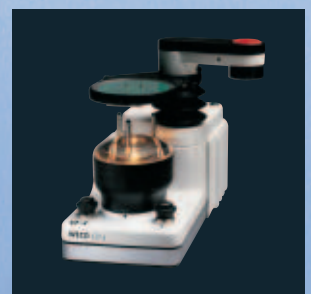
- > Ergonomically positioned large display screen
- > Simultaneous display of lens layout data and the uncut lens diameter
- > Gimbals suspended lens support for prismatic lenses



CAD I

Compact CNC centring system

- > Cleanly laid-out illuminated screen with a three point lens support
- > Low maintenance

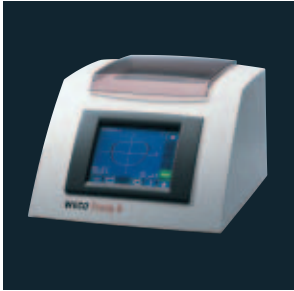


CD 3

Conventional centring and blocking device

- > Large, brightly illuminated decentration scale for simple, parallax free centring
- > Automatic blocking

WECO - the expert for your optical workshop.



Trace 3

User friendly 3D-Tracer with groove-angle measurement for exact fitting precision.

- > Automatic clamping of frame
- > Graphic display of 3-D tracing data, form and glass contraction
- > Graphical superimposition of the right and left glass shape in 2-D and comparison of measurement values



Trace II

Fully automatic 3-D frame tracer

- > Automatic right / left tracing
- > Exact data for optimum results
- > Self-calibration for ultimate accuracy and reproducibility
- > Remote tracing and lens ordering (Optional)



Smooth II

An ergonomic hand edger with one or two grinding wheels

- > Safety bar with automatic ON /OFF switch
- > Intelligent coolant system prevents oxidation of the wheels



Smooth I

Traditional hand edger with one grinding wheel

- > Integrated coolant system
- > Robust construction



FHG

Accurate Pattern Cutter

- > Greatly reduced cutting noise as a result of high density felt on the pattern table
- > Clean operation with a closed chip tray



Passat

Elegantly designed frame warmer for the optical workshop

- > Fast and precise frame warming in the heat chamber with built-in nozzle
- > Continuously variable temperature control for correct temperature setting



UD II, UD III

Small ultrasonic cleaners with 2,75 or 0,80 litre bath size

- > Simple to operate
- > Requires little space

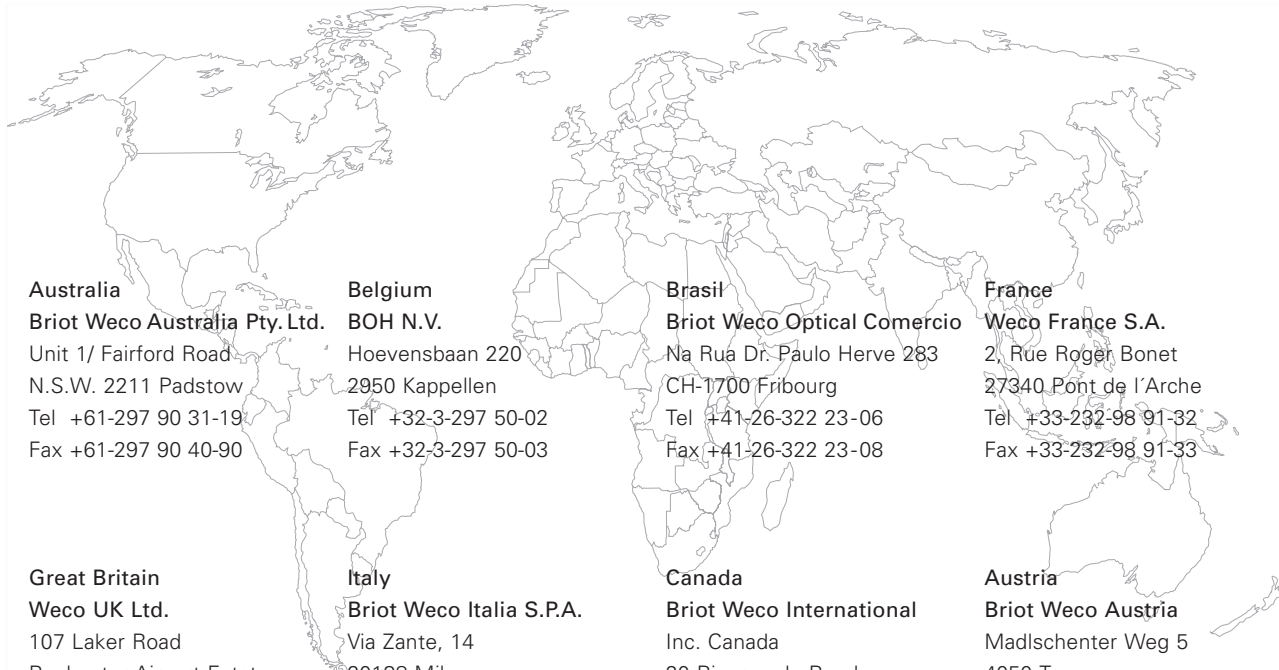


Blockpaddy

For safe de-blocking of edged lenses

- > Prevents accidental scratching of edged lenses
- > Well designed and simple to operate

The WECO subsidiaries.



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For further information on WECO optical machinery please call us. We would be pleased to inform you

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