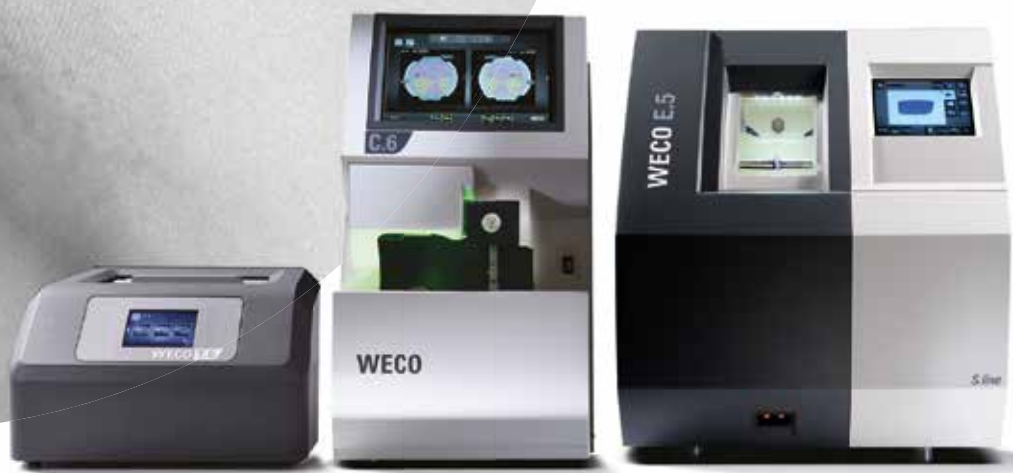


weco e5

Enhancing the quality
of the work





The Weco e5 system delivers perfect sizing on all frames

The Weco e5 edger combines all the necessary functionalities of today's state-of-the-art edger practice. Weco c6 centering device and t6 tracer offer complete job preparation from shape capture, to centering and blocking, with astonishing speed and precision.

The Weco c6 is the perfect balance between accuracy and speed.

Enhancing the quality of tracing

by delivering perfect sizing on all frames



HIGH TECH SECURE TRACING

The new stylus with swivel technology distinguishes itself by delivering the most reliable results, as well as by being more resistant to dust and debris on long term.



ADAPTS TO ANY FRAME: TILTING STYLUS

The innovative tilting mechanism always keeps the stylus perpendicular to the frame groove, despite the type of frame. All frames, from small to large and flat to curved (up to base 9) can be traced binocularly.



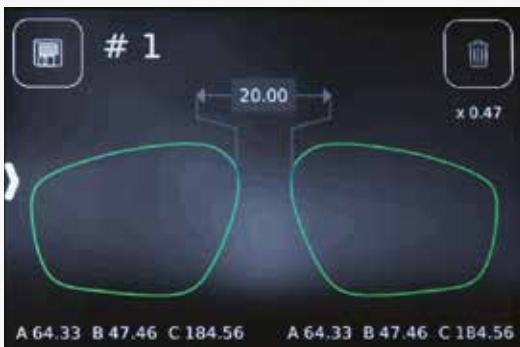
CONSISTENCY AND EFFICIENCY

Perfect, consistent tracing is the key to a first-fit rate. Therefore, Weco has the pressure applied on the frame, both on tracing as well as in clamping the frame. This delivers the best, most consistent results, without distorting the frame.



INDUSTRY 4.0 - SMART NETWORKING

The t6 is prepared for the digitalised environments. It offers a state-of-the-art communication interface, which makes integration extremely easy and efficient. By using the network, it can be placed anywhere.

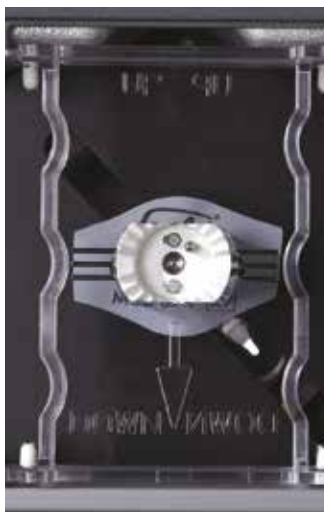


KEEPING IT SIMPLE

Weco t6 includes a 3.5" touchscreen which can be adjusted for ease of use. In all cases it is able to show the tracing result before being transferred. It's also possible to compare both shapes and just choose and send the better one.

UNLIMITED TRACING

Demo lenses and patterns are placed on the additional tracing adaptor. The axis of the demo lens is easily aligned to the markings. The Tracer does the rest - just the DBL needs to be determined and inserted manually.





Perfect job definition and lens inspection

PERFECT JOB DEFINITION BY GRAVITECH®



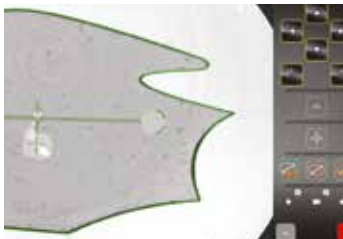
Tracing with GraviTech®

Thorough testing and engineering led to a new concept in Optical Tracing, which takes into account the gravity point of every lens. Due to its' patented algorithm, a perfect size reproduction of any demo-lens is available within seconds.



Drill Mount Preparation

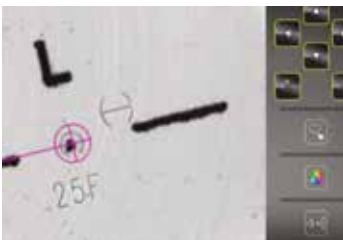
Drill holes are captured automatically, and can be managed with an ease never before seen using the intuitive interface of the C.6. Featuring a copy and paste function, full drill-hole layouts are easily transmitted from one shape to another.



Smart Design 2.0

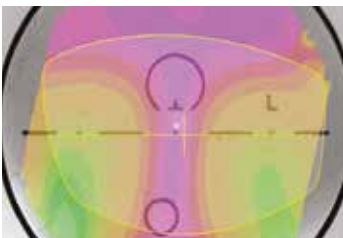
There is no limitation to your imagination while working with the Smart Design feature. Easily capture complex shapes and outlines and start producing wearable art.

WAVEFRONT BASED LENS INSPECTION



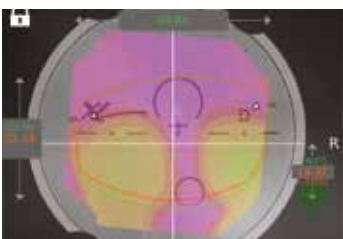
Visible Engravings

High Resolution imaging makes it possible to see previously invisible watermarks and lens engravings. Now you can adjust progressive lenses according to the markings, reduce spoilage, and ensure customer satisfaction.



Wavefront Technology

For the first time in Retail Finishing, see actual progressive lens layout designs before you edge. The C.6 features to ability to measure all types of multifocal lenses including those with prism with ease. Save time and money by incorporating lensometry into the finishing process.



Tailor-made Shape Modification

C.6 offers multiple shape modification functions that will enable you to achieve optimal results. Combined with the patented Power Map® technology, you can modify shapes as needed to fit and fully customize each lens you process.

Extensive range of finishing applications



SPECIAL PROGRAM FOR HIGH BASE CURVES

With a specially shaped diamond wheel, the operator is able to lower the backside bevel for optimum fit into high wrap frames. With this function, the bevel is easily adaptable to today's fashion frames.



PARTIAL TILTED BEVEL

The e5 offers a unique, partial tilted bevel. In case of stronger minus diopters, the back side of the lens can hit the frame on the temple or nasal side. With Partial Tilted beveling the back side of the bevel can be further inclined in a dedicated region, improving the aesthetics and, more important, the fitting of the lens without bending the frame.



OPTIMIZED PRODUCTIVITY

With optimized edging cycles, and precise 3D measurement technology, Weco delivers a highly efficient edger. With advanced drive technology and a small 90 mm diamond wheel, Weco offers flawless finishing on high base curve lenses, fashionable frames, and designs containing sharp corners.

EXTENSIVE RANGE OF APPLICATIONS

Weco e5 offers the versatility needed for today's optical workshop. Aside from the standard V-Bevel, the system also offers a perfectly inclined grooving and a variable chamfering on both the front and the rear. Grooving and beveling can be performed with a large variety of useful programs. The e5's automatic bevel placement ensures the best fit for lenses using the analysis of shape data and curvature of the lens.



ADDITIONAL DRILLING FEATURES

The custom designed Weco drill unit allows angular drilling of optical lenses to achieve the perfect fit into rimless mountings. This function makes it possible to mount lenses without any manual post processing. Should a post processing need arise, the drilling process can be repeated with a different diameter at the touch of a finger.



MINI-BEVEL FOR PRECISE FIT

Beside the standard bevel programs, there is also a manual bevel program available which allows you to manipulate the bevel position at any point of the lens shape after the measuring cycle is performed. This allows full operator control of the bevel prior to edging. In addition, a mini-bevel is available in every program reducing the bevel size and giving you the highest precision when mounting the lens into the frame.

Using this feature, the operator can avoid the whitish ring around the lens commonly seen with standard bevels and thin metal frames.



Technical specifications

WECO T6 | FULL RANGE FRAME TRACING DEVICE

TrueScan® Tracing Technology	<ul style="list-style-type: none">• Automatic 3-D mechanical tracer:<ul style="list-style-type: none">- Shape Width: 20mm to 70mm- Shape Height: 18.6mm to 70mm- Horizontal frame width: 90mm to 160mm• Proprietary technology to measure wrap around frames binocularly up to 9 base curve• 4D tracing of the frame dimensions including the groove position, ensuring optimum aesthetics by the lens being flush to the front side of the frame• Monocular (right or left) and Binocular (right and left) Tracing. Featuring a new intelligent mirror of the shape, which takes into consideration the individual circumference• Smooth manual frame clamping and tracing with adapted speed for the most challenging frames• Automatic 2-D mechanical Pattern and Demo Lens tracing:<ul style="list-style-type: none">- Shape Width: 28mm to 70mm- Shape Height: 17mm to 60mm• 3.5" colour touchscreen
Cycle Times	<ul style="list-style-type: none">• Binocular tracing: -30s• Monocular tracing: -15s
Communication	<ul style="list-style-type: none">• OMA (VCA Standard 3.10)• Easy integration in Lab Management Software• Communication via Serial (RS232) port / TCP/IP - LAN (RJ45) Port - Optional WiFi• Updates via Internet (LAN) or USB

WECO C.6 | OPTICAL TRACE, BLOCKING & CENTERING DEVICE

Shape Recognition	<ul style="list-style-type: none">• PROS 2.0 superior optical recognition system including accurate drill hole detection and SD Smart Design Detection Technology 2.0• Shape Modification included: advanced shape modification with overlaid lens and Power Map®• Extensive, alphanumeric Library including 5,000 and 10,000 Shapes (Patterns, Drilled Shapes, etc.) with advanced search functions• Automatic data transfer from the blocker to the edger• Create new shapes from existing ones using the useful drill import & export functions
Centering & Blocking	<ul style="list-style-type: none">• Supported Decentration Types $\frac{1}{2}$ PD, $\Delta x - \Delta y$, boxing height or frame height• Decentering: 0.05 mm step• Automatic Detection of Single Vision (incl. Prismatic), Bifocal and Progressive Lenses• Power Measurement based on Wavefront Technology for Single Vision Lenses• Mapping including Power Measurement Point-to-Point for Progressive and Single Vision Lenses• Controlled blocking pressure• Fully automated & Parallax Free Blocking Process• Ergonomic Ramp for taking out the blocked lens
Connections	<ul style="list-style-type: none">• VCA / OMA standard data protocol through RS232• Compatible with Weco Equipment (e5 / E.6 / Trace 3 / Trace 2HC)• USB Port for Shape Data Transfer (e.g. external OMA libraries)• RJ45 Network adapter for Software Update Process via Internet

WECO E5

Standard Configuration

- e5 S.line all materials – Four 90 mm (3.5 in) edging wheels: all plastics (CR 39, polycarbonate, Trivex™, high index), mineral wheel, bevel and rimless finishing, bevel and rimless polishing, mini-bevel.
- e5 All materials – Four 90 mm (3.5 in) edging wheels: all plastics (CR 39, polycarbonate, Trivex™, high index), mineral wheel, bevel and rimless finishing, rimless polishing, high curve mode, mini-bevel.
- e5 All plastic version - Three 90 mm (3.5 in) edging wheels: all plastics (CR 39, polycarbonate, Trivex™, high index), bevel and rimless finishing, bevel and rimless polishing, high curve mode, mini-bevel.
- Integrated drilling function: holes, notches, blind or open oblong holes.
- Drilling angle adjusts automatically from 0° to 30°.
- Lens measurement prior to roughing with accuracy of 0.05 mm. Feeling front and rear curvature and lens thickness.
- Visual preview of lens on request, before starting roughing cycle.
- 5 different bevels: front face, percentage (default setting), automatic bevel, bevel according to a specific curve, manual bevel.
- Edging process controlled according to the material selected, the treatment required, and their fragility.
- Minimum edging diameters:
 - rimless finish 17.75 mm
 - grooved finish 18.2 mm
 - bevel finish 19.4 mm
 - safety bevel finish 22 mm
- Rimless and bevel polishing (depending of the roughing materials).
- Grooving: different programs with adjustable depth and width. Grooving angle adjusted automatically according to the curve and the height of the lens.
- Customized safety bevel (front face, rear face).

Other Features / Options

- VCA/OMA standard data protocol through RS232 or optional TCP/IP interface
- Compatible with Weco equipment

DIMENSIONS T6:

HEIGHT	170 mm (6.7 in)
WIDTH	321 mm (12.6 in)
DEPTH	306 mm (12 in)
WEIGHT	9 kg (19.8 lbs)
VOLTAGE	100V - 240V 50Hz / 60Hz

Complies with safety directives:
EN 61010-1:2010 (Third Edition)
Di 2014/35/UE, Di 2011/65/UE,
Di 2012/19/UE

Complies with EMC directives:
Di 2014/30/UE, EN 55016,
EN 61000-3-2, EN61000-3-3,
EN 61000-6-3

UL standards for 115 V version:
UL/CSA 61010-1

DIMENSIONS C.6:

HEIGHT	600 mm (24 in)
WIDTH	350 mm (14 in)
DEPTH	386 mm (15 in)
WEIGHT	27 kg (60 lbs)
VOLTAGE	230V 50Hz / 60Hz

The unit meets the European EMV
Standards Class A
Industry Standard

DIMENSIONS E5:

HEIGHT	600 mm (23.62 in)
WIDTH	527 mm (20.75 in)
DEPTH	538 mm (21.18 in)
WEIGHT	75 kg (165 lbs)
VOLTAGE	230V 50Hz / 60Hz

The unit meets the European EMV
Standards Class A
Industry Standard



INNOVATION TO UNLOCK YOUR POTENTIAL

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