weco e6 s line

Industrial robustness for your workshop

VISIONIX

INNOVATION TO UNLOCK YOUR POTENTIAL


WECO
WECO e6

Besides a wide range of options, this system offers flexibility, speed, and quality

Inspired by industrial design, this edger unequivocally evokes the robustness of the German brand. One of the key development features of the e6 s line is that it generates the highest possible productivity without compromising edging results. This line comes equipped with every feature today's opticians could need.

Enhancing the quality of tracing

by delivering perfect sizing on all frames

HIGH TECH SECURE TRACING

The new stylus with swivel technology individualises 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

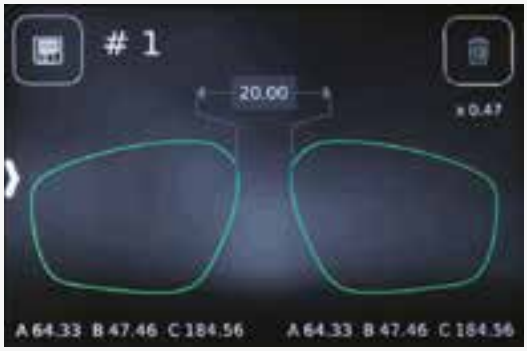
The innovative tilting mechanism always keeps the stylus perpendicular to the frame groove, regardless of the frame type.
All frames, from small to large and flat to curved (up to base 9), can be traced binocularly.

CONSISTENCY AND EFFICIENCY

Perfect, consistent tracing is the key to a high first-fit rate.
The Weco e6 s line applies pressure to the frame, both when tracing and clamping, delivering the best, most consistent results without distorting the frame.

INDUSTRY 4.0 - SMART NETWORKING

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



KEEPING IT SIMPLE

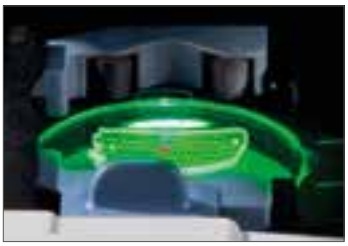
Weco t6 includes a 3.5“ touchscreen which is adaptable to the best use. In all cases, it is able to show the tracing result before being transferred. It‘s also possible to compare shapes in order to choose and send the best one.

UNLIMITED TRACING

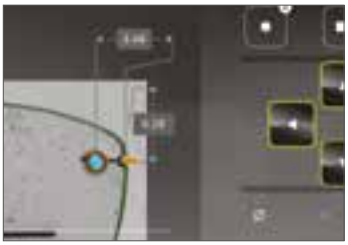
Demo lenses and patterns are placed on the additional tracing adaptor. The axis of the demo lens is easily aligned to the markings. The Tracer does the rest - only the DBL needs to be determined and inserted manually.

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 the gravity point of every lens into account. Due to its' patented algorithm, a perfect size reproduction of any demo lens is available within seconds.

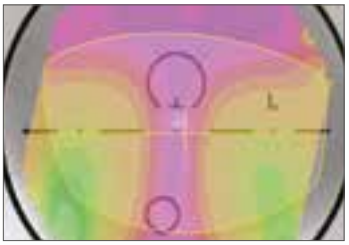


Drill Mount Preparation
Drill holes are captured automatically, and can be managed with unparalleled ease, using the intuitive interface of the C.6. Featuring a copy and paste function, full drill-hole layouts are easily transmitted from one shape to another.

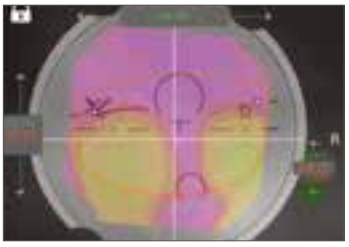
Smart Design 2.0
There is no limitation to your imagination while working with the Smart Design feature. Easily capture complex shapes and outlines and start producing wearable art.

WAVEFRONT BASED LENS INSPECTION

Visible Engravings
High Resolution imaging makes it possible to see previously invisible watermarks and lens engravings. 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 c6 includes the ability to measure all types of multifocal lenses, including prism lenses, with ease. Save time and money by incorporating lensometry into the finishing process.



Tailor-made Shape Modification
The c6 offers multiple shape modification functions that will enable you to achieve optimal results. Combined with patented Power Map® technology, you can modify shapes as needed to fit and fully customize each lens you process.

Unlimited finishing

INTERFACE: CLEAR AND ERGONOMIC

The large and tiltable touch screen combines simplicity with modern ergonomics. All available edging programs are directly accessible. The corresponding parameters are displayed on the screen and can be easily personalised if necessary. For any given job both the left and the right eye are displayed simultaneously. Furthermore, the parameters for the second lens can be adjusted whilst the first lens is being processed.

FINISHING: VERSATILE AND MODERN

The e6 s line has a variety of fine-tuning options that impose limit. For example, the combination of a wider and thinner groove is very helpful when glazing supra frames.
The Smart Design Sd Technology, based on Bezier Curves, offers the possibility to edge designs which were not previously possible.
Depending on the wheel configuration, you can also polish the v-bevel.
The front and rear chamfering of the edged lens can be adjusted separately according to your needs.
The edger calculates a perfect groove that adapts to the curve of the lens and provides versatile options for drilling. The extended beveling function for lenses with high base curves completes the range of possibilities of this edging system.

BEVELS: INDIVIDUAL AND FLEXIBLE

The individual processing of the bevel is one of the e6 s line‘s many key features. The height of the bevel can be adjusted to match the thin frame groove, thereby achieving perfect fit.
It is also possible to adjust the bevel of each section independently. This processing mode is based on the principle of the “tilted bevel system”. Here, the bevel is slightly tilted backwards to get a better grip on the groove of frames with a high curve. Due to the small diameter of the diamond wheels, an aesthetical and functionally flawless bevel is achieved, particularly in the case of high curve lens/frame combinations.
With the partial processing cycle it is now also possible to combine a V-Bevel with rimless or groove.
The 15° Tilt of the new Step Bevel makes this process unique in retail edging and fulfills the requirements of a perfect wrap frame’s glazing. Sport frames, which show an asymmetric profile, can only be produced perfectly with a Step Bevel.

EDGING: SAFE AND PRECISE

The optimal processing of a lens depends on many factors. Material, coating, lens type, and frame design all play a role in the subsequent processing.
Four edging programs are available: standard, security, anti-slippage, and ultra-security mode. In these settings, all parameters can be combined and adapted accordingly. Both very slippery and very thin lenses will be secure.
This edger, designed and developed for high volume production, adjusts its speed according to the process, without losing the optimal balance between productivity and finishing quality.

DESIGN: PRACTICAL AND FUNCTIONAL

An edger must make life easier for the optician. The e6 s line was designed with a small footprint, which allows for easy integration into smaller workshops.
To better organize the workflow, a tray is incorporated into the design, where blocks and lenses can be placed. In addition, the e6 s line includes an integrated barcode reader that is able to scan job trays directly.
This helps maintain the most accurate control even in a high-volume situation.

Technical specifications

	WECO T.6 - FULL RANGE FRAME TRACING DEVICE
TrueScan® Tracing Technology	• Automatic 3-D mechanical tracer: - 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 the individual circumference into consideration • Smooth manual frame clamping and tracing with adapted speed for the most challenging frames • Automatic 2-D mechanical Pattern and Demo Lens tracing: - Shape Width: 28mm to 70mm - Shape Height: 17mm to 60mm • 3.5" colour touchscreen
Cycle Times	• Binocular tracing: ~30s • Monocular tracing: ~15s
Communication	• 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	• 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 overlayed 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	• Supported Decentration Types ½ PD, Δ x - Δ 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	• VCA / OMA standard data protocol through RS232 • Compatible with WECO Equipment (E.5 / 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 E6 - Edger
Standard Configuration	• E.6 Mineral / Plastic Version – Five 90 mm (3.5 in) edging wheels: all plastics (CR 39, polycarbonate, Trivex™, high index), mineral wheel, bevel and rimless finishing, rimless polishing, Tilted Bevel wheel. • E.6 Plastic Only Version - Four 90 mm (3.5 in) edging wheels: all plastics (CR39, polycarbonate, Trivex™, high index), bevel and rimless finishing, bevel and rimless polishing, Tilted Bevel wheel • Sd (Smart Design) Technology for complicated designs with a new milling tool • Integrated drilling function: holes, notches, blind or slots • Drilling angle adjusts automatically from 0° to 30° • Lens measurement prior to roughing with accuracy of 50 Q Sensing front and rear curvature and lens thickness • Visual preview of lens on request, before starting roughing cycle • 6 different bevels: front face, rear face, percentage (default setting), automatic bevel, bevel according to a specific curve, manual bevel • 4 specific Edging processes per material can be selected, allowing full control of the stresses applied to each lense due to coating, material and thickness • Variable clamping force for reduction of waste due to breakage or axis rotation • 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 on the lens material) • Grooving: different programs with adjustable depth and width Grooving angle adjusted automatically according to the curve and the height of the lens • Partial Processing combining different bevels V-Bevel/Grooving, Grooving/Grooving, V-Bevel/Flat, Grooving/Flat • Customized safety bevel (front face, rear face) • Chemistrie™ Sunlenses processing • Input, Modification of Drill Hole Data in the edger is possible • NEW STEP BEVEL : the best bevel for sport frames with asymmetric profiles • VCA / OMA standard data protocol through RS232 • Compatible with other WECO equipment. Consult us

DIMENSIONS T6:

WIDTH	321 mm (12.6 in)
DEPTH	306 mm (12 in)
HEIGHT	170 mm (6.7 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 C6:

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

The unit meets the European EMV Standards Class A Industry Standard

DIMENSIONS E6:

WIDTH	592 mm (23.30 in)
DEPTH	535 mm (21.06 in)
HEIGHT	570 mm (22.44 in)
WEIGHT	88 kg (194 lbs)
VOLTAGE	230V 50Hz / 60Hz

The unit meets the European EMV Standards Class A Industry Standard

VISIONIX

INNOVATION TO UNLOCK YOUR POTENTIAL

LUNEAU TECHNOLOGY SAS
2 Rue Roger Bonnet, 27340 Pont-de-l'Arche - France
Tél. + 33 232 989 132 - Fax + 33 235 020 294
contact@visionix.com

www.visionix.com