



Industrial Machinery by WECO

Edge 860 VI



Edge 860 VI – the ultimate in lab-edging!

Increasingly the success of glazing labs depend on the efficiencies of the production methods, finished product quality and machinery performance. The WECO industrial system meets the demands for high quality production results, machinery automation and software. WECO, a worldwide, successful partner distinguishes itself with: integrated high performance systems, state-of-the-art technology, a broad selection of consumables with a worldwide customer service.

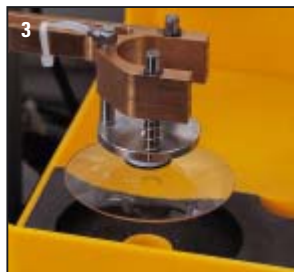
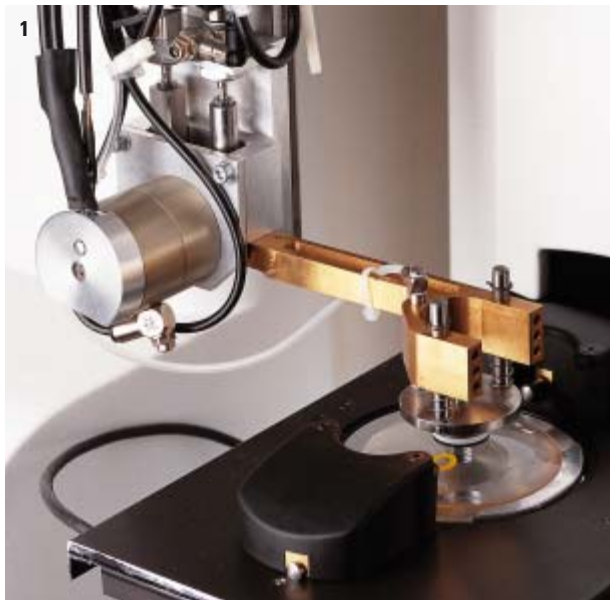
The Edge 860 VI is the ultimate in lens finishing technology. With the Edge 860 VI WECO combines lens finishing know-how with many years of experience in the most advanced automation technology. This combination leads to high-end automation of eyeglass glazing with unique advantages in productivity, cost saving and greater accuracy of the finished product.

With the Edge 860 VI a new standard in lens finishing technology is set by WECO.

Performance and features.

Typically, the optical lab receives jobs from chain outlets, individual optical dispensaries and doctors' offices thus concentrating production in one facility. This concentration of manufacturing is designed to reduce costs and to increase profitability. Ideally these labs are fully automated to keep production costs low and to offer attractive pricing to the optical dispensaries. As a consequence the workflow must be very efficient. Analysis of the lens finishing process shows that lens preparation, "lens verification" and "layout and blocking" are the most time consuming and thus the most expensive. The obvious result of this analysis is to integrate these costly steps into one procedure integrated with the edging facility.

To start production with the Edge 860 VI only a job tray with the lenses to be processed and the relevant job data are needed. After placing the job tray into the machine all operating cycles are performed automatically. This type of operation is achieved by combining an industrial Verifier with a lab edger and an automatic loading system. The job tray has a barcode label identifying the job which is downloading the job data from a host computer. Subsequently, the lenses are inserted by the robotic handling system into the Verifier to be measured, checked and positioned accurately.



Lens handling

- 1 into Verifier
- 2 into Edger
- 3 from / to job tray

The Verifier including lens handling is one of the most innovative parts of the Edge 860 VI. The easy and the "straight line" design of the loading system permits block-less lens positioning. The result is a tremendous cost reduction in consumables and a decrease in lens surface damage. Once the lens is edged to the finish size it is returned to the job tray. After the first lens is inserted in the edger the following lens is placed in the Verifier. This achieves parallel processes increasing the speed of entire lens edging process. Once a job is completed the tray leaves the machine for further handling. The optional tray stack magazine or conveyor feeder makes a continuous workflow possible for up to 45 minutes without operator intervention.

The Edge 860 VI is an integrated lens edging system with automated processing for:

- > lens handling
- > lens verification
- > lens layout
- > lens edging

All these steps are performed without expensive consumables, since the Edge 860 VI is the first and only block-less edging system. The advantage of this procedure is the virtual elimination of manual processes, which are often the cause of unintentional errors, such as:

- > lens marking (spotting)
- > lens verification
- > lens layout
- > lens handling
- > edging
- > de-blocking
- > block preparation

Meeting industrial demands the Edge 860 VI is designed to process

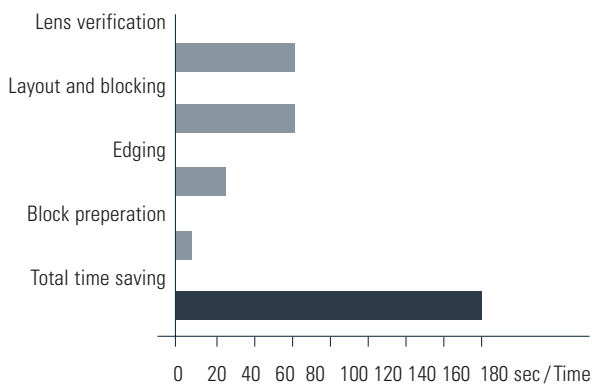
- > all lens materials
 - > single vision lenses
 - > bifocal lenses
 - > progressive lenses
 - > polishing flat bevel (option)
 - > pin bevel (option)
- (please also refer to technical specification)

Cost Advantages

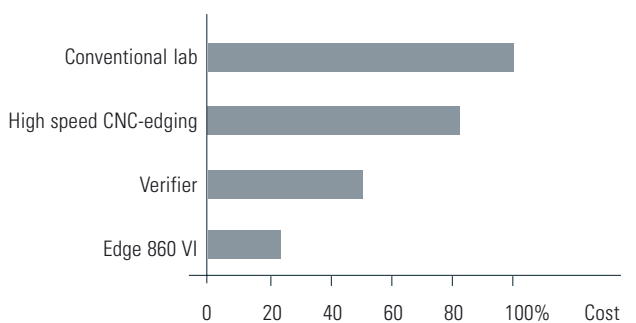
When using an Edge 860 VI the primary objective is to reduce costs related to manual processes in conventional lab settings. Therefore, lens preparation time, such as lens verification is an issue to investigate when comparing conventional lab processes with the possibilities of an Edge 860 VI.

The presence of an Edge 860 VI in a lab translates in dramatically reduced operator costs. Only minor handling costs of feeding the job trays into the machine remain. In addition, a decrease of operator skill, improved quality and fewer ruined lenses are convincing factors for this machine. As consumables are no longer used, the cost of adhesive pads and lens blocks is no longer an issue.

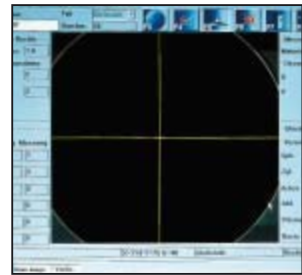
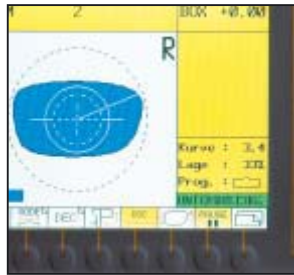
Time saving by use of the Edge 860 VI



Comparison in cost of different lens finishing methods



Looking at cost of different lens finishing methods it is obvious that the Edge 860 VI is the best and only solution for any professional lab by showing a decrease in operating costs of more than 75%.



Important configuration and accessories

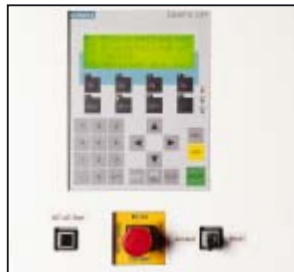
Conveyor for job trays

Feeding job trays into the Edge 860 VI the machine can be equipped with different conveyor belt systems

- > Magazine for up to 13 job trays
- > Roller conveyer for up to 6 job trays
- > Other conveyers on request

Interfaces

The Edge 860 VI meets the OMA protocol standard for data transfer. A host computer with dedicated software is required. The WECO LabControl software supports all necessary interfaces.



Technical Data

Width	1.275 mm
Depth	750 mm
Height	1.850 mm

For detailed technical specifications please consult our local dealer.

Rights to technology changes are unconditionally reserved.

For further information on the Edge 860 VI and WECO industrial machinery please call us.

We will inform you.

WECO Optik GmbH
 Administration Jägerstraße 58
 D-40231 Düsseldorf
 Telefon +49-211-21 04-105
 Telefax +49-211-21 04-251
 info@weco-instruments.com
 www.weco-instruments.com

Distributed by: