■ The remote maintenance programme covering Ultimate Edition K offers numerous functionalities and services. Accessible from a simple broadband connection, they are deployed through a secure web service.

• The **download of software upgrades** ensures the regular update of your equipment.

• The **automatic upload of incidents** makes it possible to establish a pre-diagnosis for a more rapid and efficient solution.

• The **remote setting** functions make it possible to optimise performance and adjust your system's settings to suit your needs.

Peace of mind with a machine that is always operational

Option: High-definition automatic lens centering.
• Video analysis system which centers and sets the axis of the lenses in just a few seconds.
• Automatic centering requiring no handling of the lens.
• Instant view of the center line in the axis of the frame.
• Integrated prismatic correction & automatic check of lens fit.
• Drilling: takes photo of the presentation lens and drill holes.
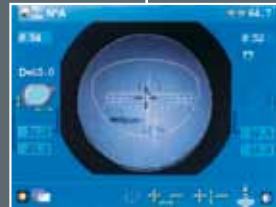
Essibox,
Essibox is a multi-faceted platform which gives you access to numerous services, including the following:
• **Integrated database:** 2.000 models of shapes and drilling patterns already available and regularly updated. With its unlimited storage capacity, this database can also store your own creations.
• Solutions suited to the **creation of a centralised production site:** sharing of data between sites, constant view of the workload schedule, management of priorities.

essiBOX

TECHNICAL **SPECIFICATIONS**

Tracer-Centerer-Blocker

■ **Automatic binocular tracing** in 3 dimensions.
■ Automatic frame centering and bridge measurement.
■ Tracing of frame patterns, presentation lenses and pre-cut lenses.
■ **High-precision cycle** with measurement of bevel profile.
■ **Dimension B:** minimum of 18 mm (flat-edge finish).
■ **Centering/blocking:**
  • 2-track optical system.
  • Magnification factor of 1.65.
  • Specific centering crosses for each type of lenses.
  • Electric clamping control including pressure control.
■ **Shape modification:**
  • Scaling, lower and upper 1/2 Dimension B, Dimension B, Dimension A and shape alteration in one point.
■ **Dimensions:** L265 x D410 x H568 mm.
■ **Weight:** 20 Kg
■ **Voltage:** 230 V - 50 Hz or 115 V - 60 Hz.
■ **Power consumption:** 50 W.

OPTION:
■ **Automatic centering:**
  • Single vision lenses:
  - Optical centre detection from -15.00 to +15.00.
  - Power measurement ranging from -6.00 to +6.00.
  - Detection of lensmeter dots.
  • Progressive lenses: Centering based on micro-engravings of marks printed on the lenses.
  • Bifocal lenses: Detection of straight and curved segments.
  • Type of lens: Round or elliptical lenses. Tint 3 as a maximum.
■ **Blocking:**
  • Automatic loading of lens block.
  • Positioning of lens block in the centre of the mount by rotation of the suction head.
■ **Acquisition of drill holes:** input of manufacturer data or analysis of presentation lens.

Edger

■ **Simultaneous tracing** of the front and back surfaces of the lens (Essilor patent).
  • EAS™ (Edging Assisted System) cycle.
  • Dimension B: minimum of 18 mm for flat edge, 19.5 mm for bevel.
■ **Types of finish:** Automatic or customised
  • Bevel: 3-D display.
  • Groove: width and depth settings [steps of 0.05mm].
  • Chamfering: front and/or back surface.
  • Drilling: Hole diameter from 0.8 to 3 mm – through holes, non-through holes, straight or angled notches, oblong holes.

• Distance between axes: diameter of 27 mm from boxing center.
• Polishing: flat edge, bevel and drill hole.
• 2, 3 or 4 wheel **versions** [depending on lens materials]:
  • glass, plastic, medium and high index, polycarbonate, Trivex.
  • Automatic wheel cleaning cycle.
■ **Dimensions:** L535 x D410 x H568 mm.
■ **Weight:** 67 kg.
■ **Voltage:** 230 V - 50 Hz or 115 V - 60 Hz.
■ **Power consumption:** 1350 W.

Digital system

■ Self-calibration and self-diagnosis.
■ Statistics and technical history.
■ Configuration in Boxing mode.
■ Customised toolbars.
■ Networking.

■ PC Connection – For Essibox connection and the remote maintenance service, the outlet must have a permanent broadband connection operating at all times.
■ Complies with CE marking.
■ Complies with ISO 16 284 [OMA 3.07 compatible].

As improvements are made, these specifications are not contractually binding and may be modified without prior notice.

essilor

COMPLETE INTEGRATION
WITHOUT COMPROMISE

ULTIMATE EDITION K

■ Ultimate Edition **κ** is a technology concentrate which successfully combines integration and performance. With its streamlined architecture, it ranks among the most compact digital systems on the market.

■ This concentrate of know-how covers the whole range of current mounts: variable angle drilling, customised grooves, flexible chamfering, shape modification, and EAS cycle for complex lenses.

■ To perform complex and original mounts, each function offers a large array of configurable parameters such as :
• Depth and width of the groove,
• Particular edge cuts and engravings,
• Positioning the bevel on the front surface of a curved lens,
• Customise the drilling angle.

Ultimate Edition **κ** is a comprehensive digital system which provides all the finishing options required for today's mounts at the highest performance levels, for your workshop's optimum productivity.
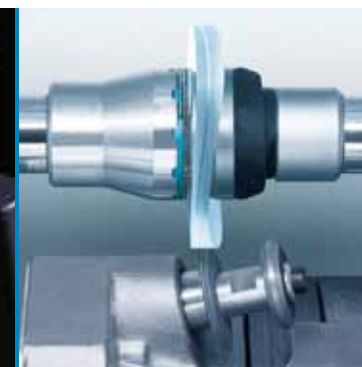
Irreproachable fittings at your fingertips

Numerous possibilities to customise your offer

■ The automatic cycles, which are available for all types of finish, are among the most precise and efficient. They ensure the optimum fit of the lens in the frame.

■ To achieve top performance, machining speed is optimised according to lens material and thickness. For high-added value lenses, a specific programme has been developed to avoid off-centering risks.

■ Whatever the type of mount, the cutting cycle is launched in just a few clicks, then performed without any handling of the lens. **You don't have to touch it again!**

■ The versatile and efficient shape-modification function enables you to adjust the shape in keeping with the mounting constraints and wearer's requirements: The lens stays visible during the shape modification.

■ Thanks to barcodes dedicated to the drilling function, the positions and diameters of the drill holes are memorised independently from the shape. Then, all you have to do is associate the memorised data to the shape. **A single entry is required for a whole range of frames .**