Let yourself shine with the perfect fit

X
EXPERT EDGER

KAIZERX

WITH STEP BEVELING FUNCTION

Huvitz *Re:define, Re+create*

The more freely you will enjoy the extreme world!

The more perfectly the lenses and frame fit!
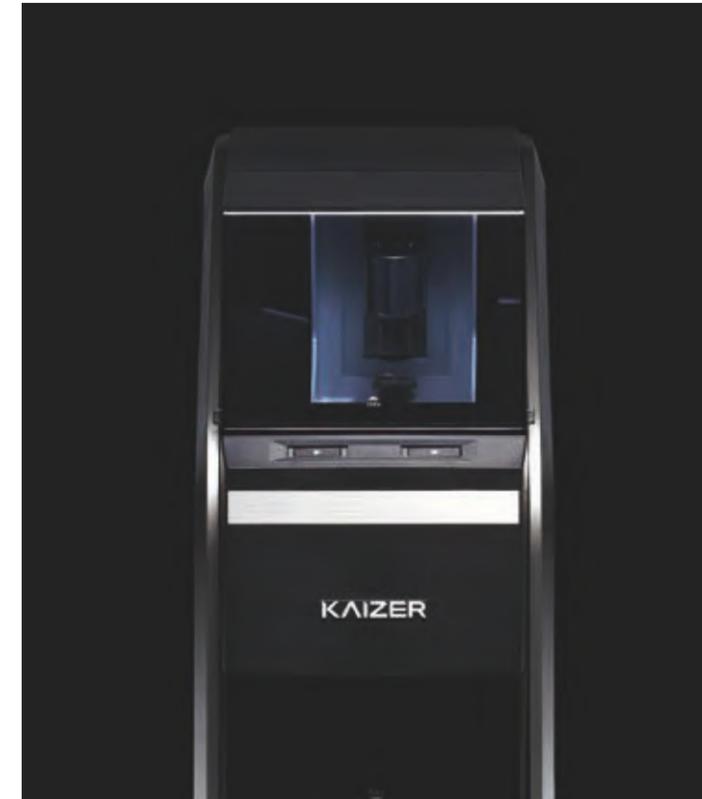
KAIZER-X fits perfectly all at once.

High curve goggles, sunglasses and safety specialized glasses are not the only choice anymore to perfectly enjoy outdoor activities and extreme sports. Now, connect KAIZER-X and high curve frames more completely.
It is guaranteed to offer you the best optical performance with the narrowest cutting line and most stable structure.
KAIZER-X, Giving you a new opportunity for your process.

KAIZER

KAIZER HAB - 8000
Effective multi-tasked auto blocking

- Automatic recognition and display of all types of lenses on the screen by 1:1 ratio.
- Real time information transmission to the edging body.

KAIZER

KAIZER HPE - 8000X
Expand the possibility with Step Bevel functionality

- Step Bevel Function: Process High Curve sports goggles and RS lenses for sunglasses
- Semi-U Beveling & Adjustable asymmetric bevel that separately positions side to side ledge geometry
- Functionality to prevent axis distortion by adopting a powerful revolving motor and Adaptive Clamp chuck
- OMA compliancy facilitates processing lenses without wasting time

KAIZER HDM - 8000
Faster drilling

- Take care of numerous tasks simultaneously by Smart Job Manager.
- You can process and cut your next lens while the drilling job is in process.

KAIZER

The Step Bevel function provides unprecedented aspect representation in an exquisite and efficient user interface.

KAIZER HPE - 8000X

Tilting Touch Screen / LED-illuminated Edging Cavity

Process lenses for high curve goggles and sports sunglasses and eliminate outsourcing or manual handling. The KAIZER-X offers breakthrough technology in a premium edger through powerful functionality, exquisite fit and numerous conveniences.

T-Step   Bevel-Step   Step
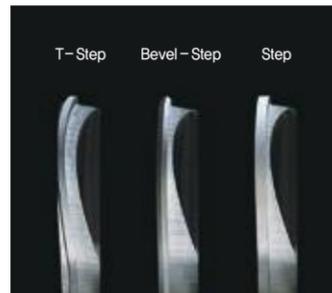
Varilable Step Bevel Process

Asymmetric Bevel (X)   Step Bevel (O)

Fitting Condition Compare while
Normal Goggle Lens Process

Step Bevel Process

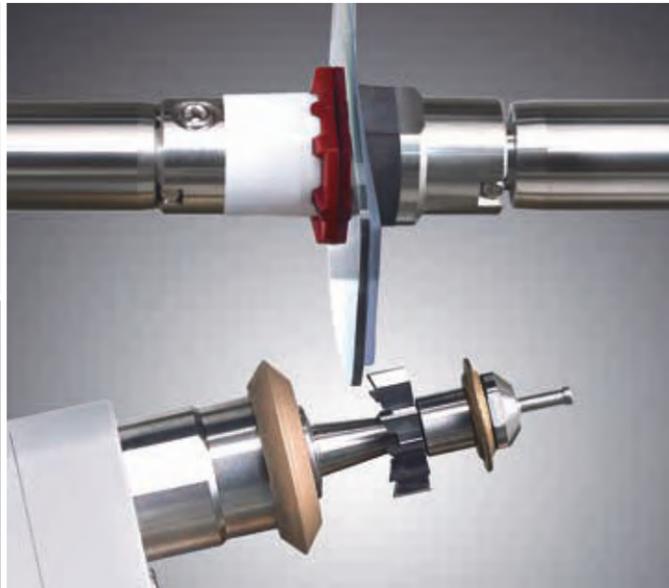## More advanced features for the perfect fit

- High Curve function in order to process sports goggles and sunglasses Step Bevel function
  (maximum lens curve 6.00, maximum depth 6mm)
- Adjustable asymmetric bevel which raises the level of consistency between the frame curve and processed edge of lenses Semi-U process function
- Adaptive Clamp Chuck prevents axis slippage, shape distortion and delamination of polarized lenses.
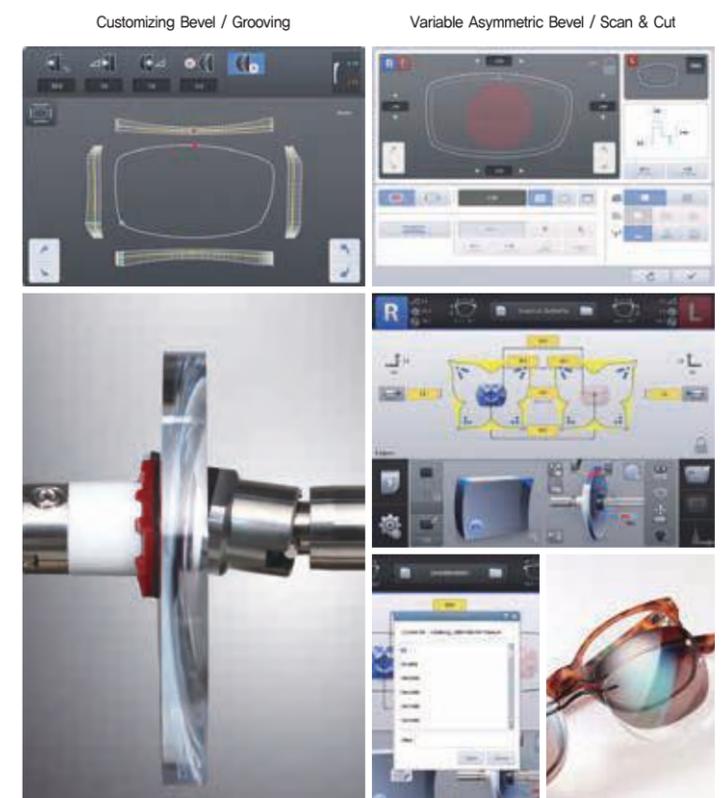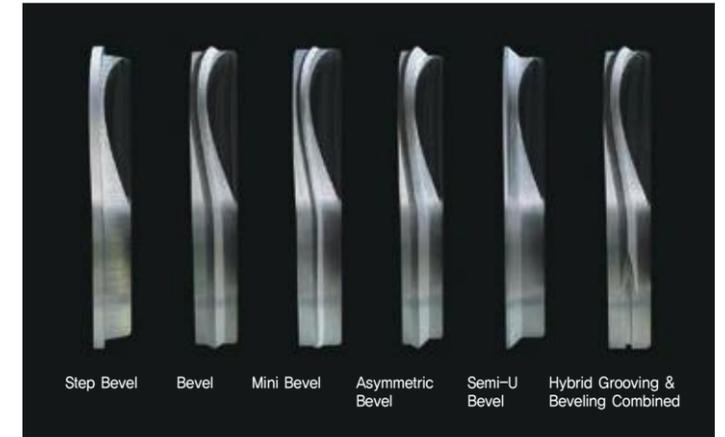
Feature packed and highly detailed custom bevel

- Mini Bevel adjusts the height of the bevel apex eliminating unsightly bevel reflection on frames with a shallow eyewire (Min. 0.1mm~Max. 0.8mm)
- Partial grooving function makes it possible to place a desired size groove in a designated section of the lens
- Hybrid Grooving offers the ability to place different finishes from section to section on a lens such as cutting a groove and a bevel

Faster Processing

- Bidirectional feelers of improved configuration are more durable and simultaneous feeling of front and back sides reduces lens thickness recognition time by maximum 50%
- High-end motor and platform reduces the process time at an average of 20% compared to other models
- Servomotor with more than 1 horsepower offers speedy lens processing
- 1GHz High Performance CPU controlling the next process

Step Bevel   Bevel   Mini Bevel   Asymmetric Bevel   Semi-U Bevel   Hybrid Grooving & Beveling Combined

Customizing Bevel / Grooving

Variable Asymmetric Bevel / Scan & Cut

Step Bevel

Adaptive Clamp Chuck   OMA Compliant   Easy Click Process

Unparalleled expandability and functionality

- Scan & Cut function makes it possible to scan and cut a designated image
  (HAB-8000, HDM-8000 Combination)
- OMA compliancy eliminates without wasted time
- Processes even concave shape on lenses within a range of wheel curvature
- Easy Click (Chemestrie Clips) function for processing detachable magnetic overlays for plano fashion sunglass lenses or custom prescription applications.

Full automation by simply pressing the start button.

KAIZER HAB - 8000
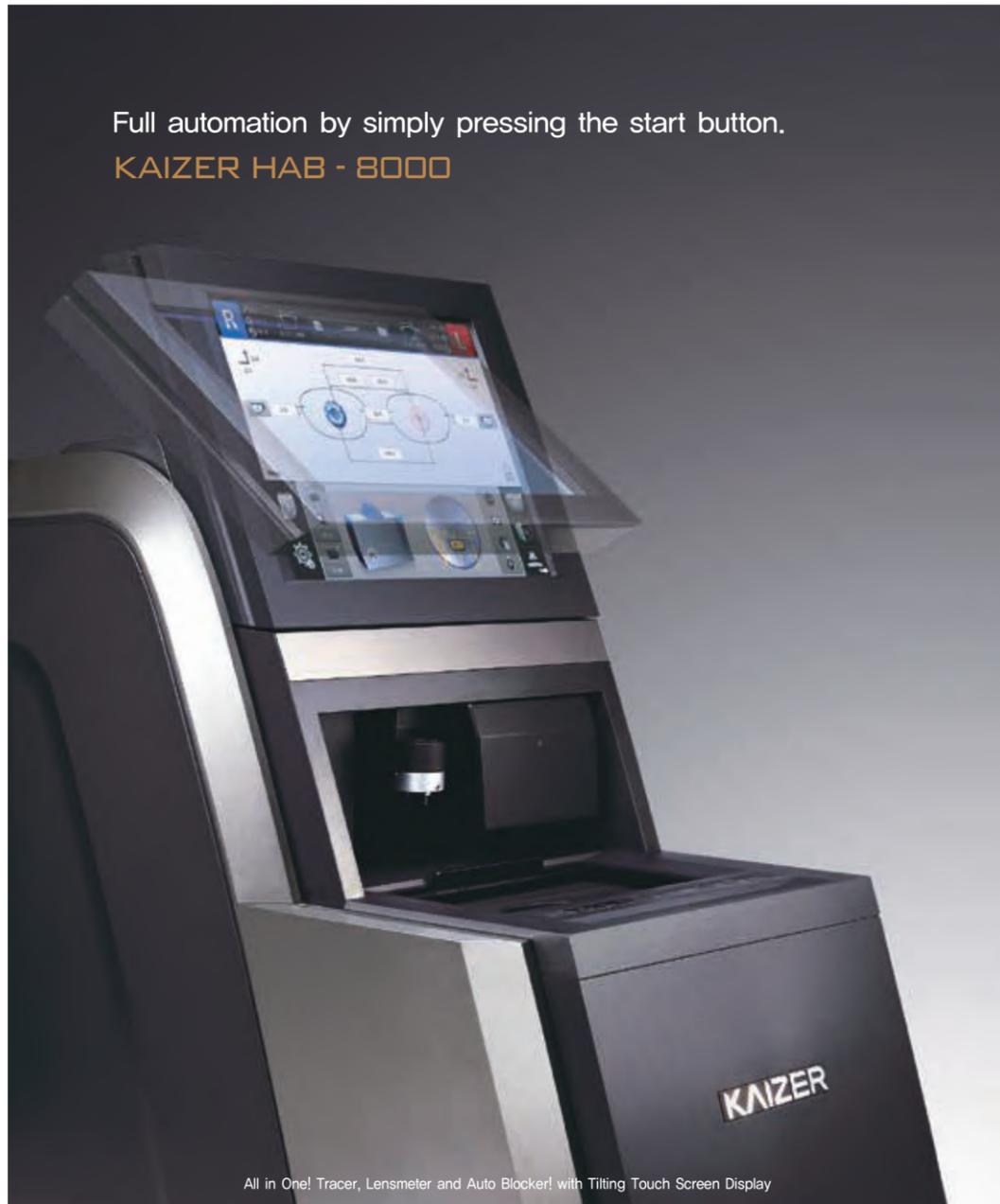
All in One! Tracer, Lensmeter and Auto Blocker! with Tilting Touch Screen Display

Frame reading, lens centering and blocking are performed automatically by placing the lens. Maximize the efficiency by advanced digital and optical technology and user-friendly Interface.

Save time with the efficient digital scanning and hole detection of KAIZER!

- By simply placing the lens in the blocking center, the lens is displayed on screen by 1:1 ratio in real-time and size.
- Tracing and hole editing time can be saved dramatically by real-time simulated lens and hole detection function!
- Traced frame data, FPD, frame diameter and other key changes are transmitted to the edger in real-time.

Automatic recognition of lens center for all kinds of lenses

- Automatic lens type recognition: single vision, bi-focal, progressive, etc.
- Accurate reading of SPH, CYL, AXIS by integrated high performance lensmeter.
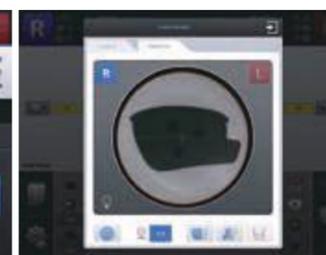- No lens needs to be marked!

High Curve Frame Tracing   Integrated Lensmeter

Automatic Blocking   Acrylic Dust Cover   Drawer

Automatic Progressive Lens Detection   Digital Scan & Hole Detection
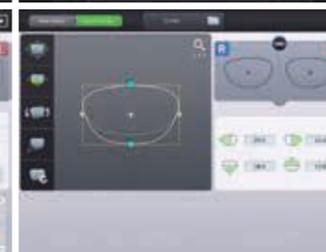
Hole Editing   Digital Pattern

Extreme freedom of modifying size, axis, and shape of lens.

- The 'Digital Pattern Layout' of Huvitz KAIZER system allows users to modify lens frames with extreme ease.
- Easy rimless / semi-rimless hole editing through large and sensitive touch-screen and intuitive graphical interface menu.

Variety of supplementary features for user convenience.

- Storage drawer for lenses and blocking pads.
- Sliding dust cover for frame reader to ensure durability and precision.

In your hands, the best time-saving solution to increase your profitability!
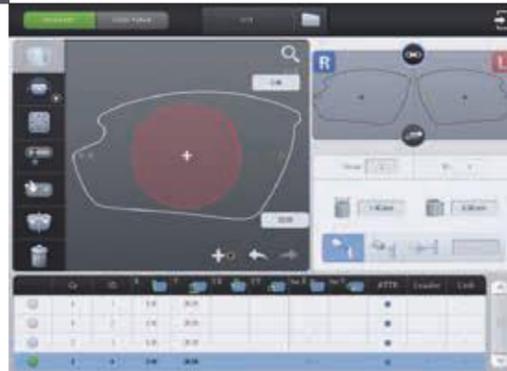## KAIZER HDM - 8000

Hole Editor

Simultaneous lens edging, blocking & drilling through multitasking
• Dividable structure adoption to separately process a hole while a lens edges.

Excellent hole processing for all kinds of high curve lenses
• 0~30° drill bit assembly tilting for Hi-Curve processing
• Scan & Cut to implement and process various image designs

Drilling / Drill Bit Shield

Waste Collector Drawer

Dynamic speed and precision in your business!
KAIZER HFR - 8000

High Curve Frame Reading

16,000pts high-resolution scanning and digital filtering tech
• Precise scanning of all metal and plastic frames.
• Binocular and monocular tracing are both available to meet users' accuracy and efficiency needs.

Perfect process of stereoscopic scan feature.
• Accurate tracing of high-curve frames with unique HUVITZ mechatronic technology

Now special frames are not challenging!
• Accurate scanning for concave shape, sharp edge, and narrow frame is very easy!

Slide cover that prevents dust accumulation.
• Keeping out dust will ensure durability and precision.

Dust Cover

Concave Shape Reading

The simplicity is another advantage :
energy-saving and auto-sensing feature
will surprise you!

KAIZER HMB - 8000

KAIZER

Your satisfaction is guaranteed, with its
compact and robust structure: streamlined
functionality and intuitive graphics and
energy-saving integrated features.

Progressive Lens Setting

Compact and sleek design with luxurious feel
• Simple, and it makes your work environment look great.

Adjustable LED intensity
• Lifetime durability LED lamp
• Easy to mark and block even with dark-tinted lenses by
  brightness control function

Auto power-saving mode
• Automatic power off after confirming the marking points
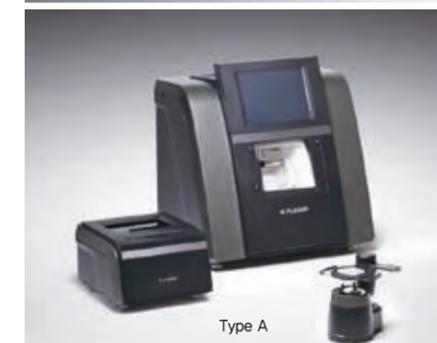• Automatic power off and sleep mode after preset time

White LED Lamp

Brightness Control Knob

The best and most-suitable combination of
functionality with your budget in mind!
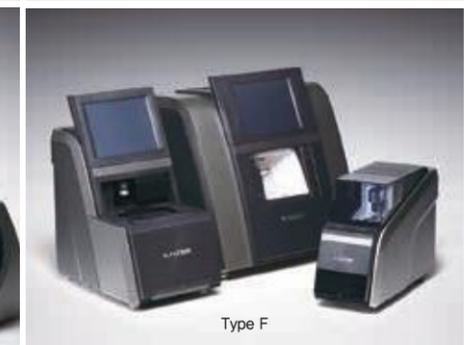
KAIZER SYSTEM COMBINATION

Type A

Type B

Type C

Type D

Type E
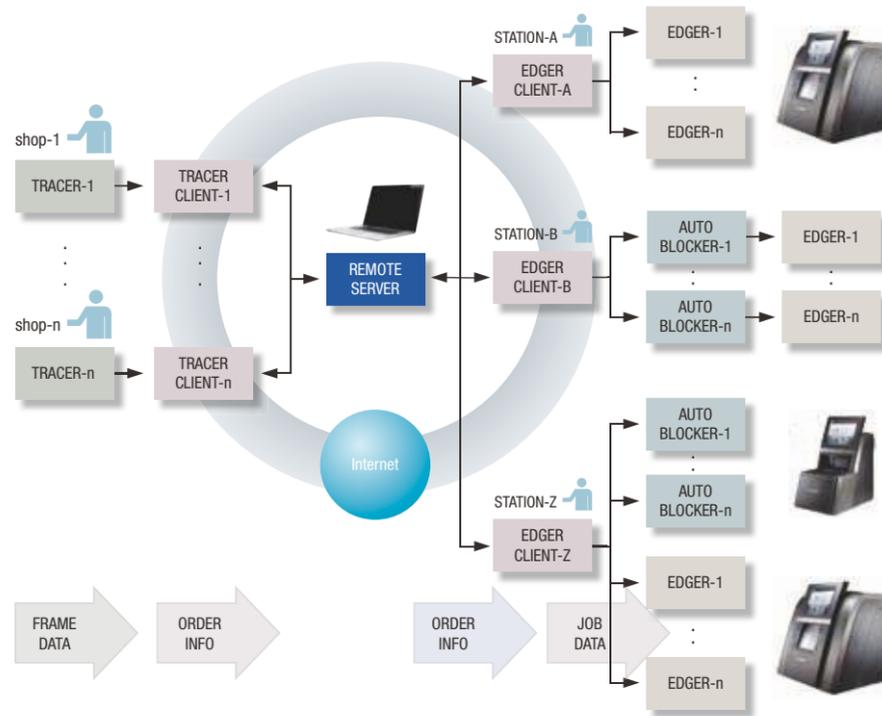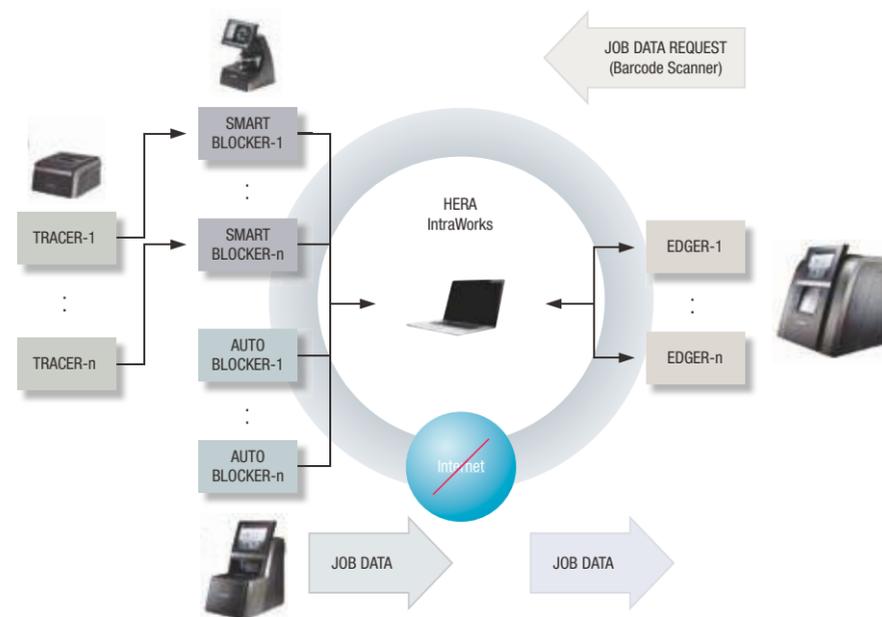
Type F

KAIZER NETWORK SOLUTIONS & SPECIFICATIONS

Remote Edging Solution with The KAIZER-X Remote Assistant

- You can enjoy the great functions of the HERA to support downloading job data to Auto Blocker device

STATION-A
EDGER CLIENT-A → EDGER-1 … EDGER-n
shop-1
TRACER-1 → TRACER CLIENT-1
REMOTE SERVER
STATION-B
EDGER CLIENT-B → AUTO BLOCKER-1 → EDGER-1 … AUTO BLOCKER-n → EDGER-n
shop-n
TRACER-n → TRACER CLIENT-n
Internet
STATION-Z
EDGER CLIENT-Z → AUTO BLOCKER-1 … AUTO BLOCKER-n, EDGER-1 … EDGER-n

FRAME DATA → ORDER INFO → ORDER INFO → JOB DATA

Intra-Lab Networking Solution

- You can enjoy the data compatibility of HERA IntraWorks
- You can add export / import function to the HERA IntraWorks for frame DB migration

JOB DATA REQUEST (Barcode Scanner)
TRACER-1 → SMART BLOCKER-1
SMART BLOCKER-n
HERA IntraWorks
EDGER-1 … EDGER-n
TRACER-n
AUTO BLOCKER-1
AUTO BLOCKER-n
Internet
JOB DATA → JOB DATA

Edger

Lens Material	Plastic, Polycarbonate, High index plastic, Glass, Trivex
Edging Mode	Beveling: Normal, Variable Asymmetric, Variable Semi-U, Mini, Auto, Manual, Step*, Bevel-Step*, T-Step*
	* Optional functions not supported by XN type.
	Flat Edging
	Polishing
	Grooving: Normal, Partial, Hybrid, Dual, Auto, Manual Mode
	Safety Beveling
Functions	Job Manager, Digital Pattern, Hole Editor, Retouch, Bevel / Groove Simulation
Utilities	LCD Tilting, Automatic Edging Room Door, Inside Edging Room Illumination, SD Card Storage (Memory Included), Barcode Reader (Optional)
Display	9.7 inch Color TFT LCD (1024 x 768) with Touch Screen
Edging Size	Max : 90mm, Min : 18.5mm / Flat Edging (without Safety Bevel), 20mm / Bevel Edging (without Safety Bevel)
Dimensions / Weight	540(W) x 472(D) x 580(H)mm / 51 kg
Power Supply	AC 100~120V / AC 200~240V 50/60Hz
Power Consumption	1200W (110V Model), 1500W (220V Model)

Type	RPGA-X (220V)	RPGA-XN (220V)	RPA-X (110V)	RPA-XN (110V)
Wheel Type	Plastic Roughing			
	Finishing			
	Asymmetric			
	Polishing (No-Bevel)	Polishing (No-Bevel)	Polishing	Polishing
	Glass Roughing		–	
Lens Material	Plastic			
	Polycarbonate			
	Hi-Index			
	Trivex			
	Glass		–	
Asymmetric Beveling	O	O	O	O
Semi-U Beveling	O	O	O	O
Mini Beveling	O	O	O	O
Step Beveling	O	X	O	X
Partial Grooving	O	O	O	O
Hybrid Grooving	O	O	O	O

Drill Machine

Hole Type	Hole, Slot, Notch
Hole Size	ø1.00~5.00mm
Tilting Scope	Automatic, Manual (0~30°)
Hole Depth	Max : 6.0mm (0.0mm = Through Hole)
Range of Hole Drilling	ø32.0~75.0mm from Lens Rotation Axis
Slot Width	1.00mm~5.00mm
Slot Length	Max : 20.00mm
Dimensions / Weight	193(W) x 483(D) x 342(H)mm / 14 kg
Power Supply	AC 100~240V 50/60Hz
Power Consumption	100W

Auto Blocker

Tracing Type	Automatic 3D Binocular Tracing
Tracing Mode	Auto, Semi-Auto
Tracing Size	Frame : ø16.0~92.0mm, Pattern : ø16.0~84.0mm
Frame Material	Metal, Hard Plastic, Soft Plastic
Data Processing	FPD, Frame Curve, Circumference, 3D Angle, Concave Shape
Measurement	SPH : −10D~+10D, CYL : ±6D
Increment	0.01D
Blocking Tolerance	−0.5~+0.5mm
Axis Tolerance	±1°
Blocking Method	Automatic Blocking with Mechanical Arm
Blocking Pressure	3.0kgf
Lens Type Recognition	Single, Bi-focal, Progressive, 3-Dot
Layout Factors	FPD, PD (Binocular, Monocular), Cyl Axis, Bridge Size, OH (ΔY, Mixed Height, Box Height), Centering Method (Box Center, Optical Center)
Edging Factors	Plastic, Polycarbonate, High Index Plastic, Glass, Trivex, Bevel, Groove, Flat Edge, Polish, Safety Bevel
Functions	Job Manager, Digital Pattern, Hole Editor, Digital Scanning (Shape & Hole Recognition)
Utilities	LCD Tilting, SD Card Storage (Memory Included), Barcode Reader (Optional)
Display	10.4 inch Color TFT LCD (1024 x 768) with Touch Screen
Dimensions / Weight	300(W) x 470(D) x 560(H)mm / 23kg
Power Supply	AC 100~240V 50/60Hz
Power Consumption	75W

Frame Reader

Tracing Type	Automatic 3D Binocular Tracing
Tracing Mode	Auto, Semi-Auto
Tracing Size	Frame : ø16.0~92.0mm, Pattern : ø16.0~84.0mm
Frame Material	Metal, Hard Plastic, Soft Plastic
Data Processing	FPD, Frame Curve, Circumference, 3D Angle, Concave Shape
Dimensions / Weight	284(W) x 320(D) x 190(H)mm / 8kg
Power Supply	AC 100~240V 50/60Hz
Power Consumption	32W

Manual Blocker

Illumination	White LED Source, Automatic Power-Saving Mode
Dimensions / Weight	177(W) x 184(D) x 206(H)mm / 2kg
Power Supply	5V DC 3.5A
Power Consumption	2.5W

Designs and details can be changed without prior notice for the purposes of improvement.

Let yourself shine with the perfect fit **KAIZERX**

Huvitz (logo)

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