New Features & Sales Points

Comparison with 8000

More Support

BENEFIT GUIDE

HPE-8000X, The Expert Edger

Huvitz Re:define, Re+create

Product Types & System Configurations

New Features
& Sales Points

Product Type	Specification			
	Voltage	Step Bevel	Wheel Type	Color
HPE-8000X 220V	220V	O	RPGA	Black
HPE-8000X 110V	110V	O	RPA	Black
HPE-8000XN 220V	220V	X	RPGA	Black
HPE-8000XN 220V (White)	220V	X	RPGA	White
HPE-8000XN 110V	110V	X	RPA	Black

NEW KEY FEATURES

New Features
& Sales Points

❖ Platform & Mechanism Improvements

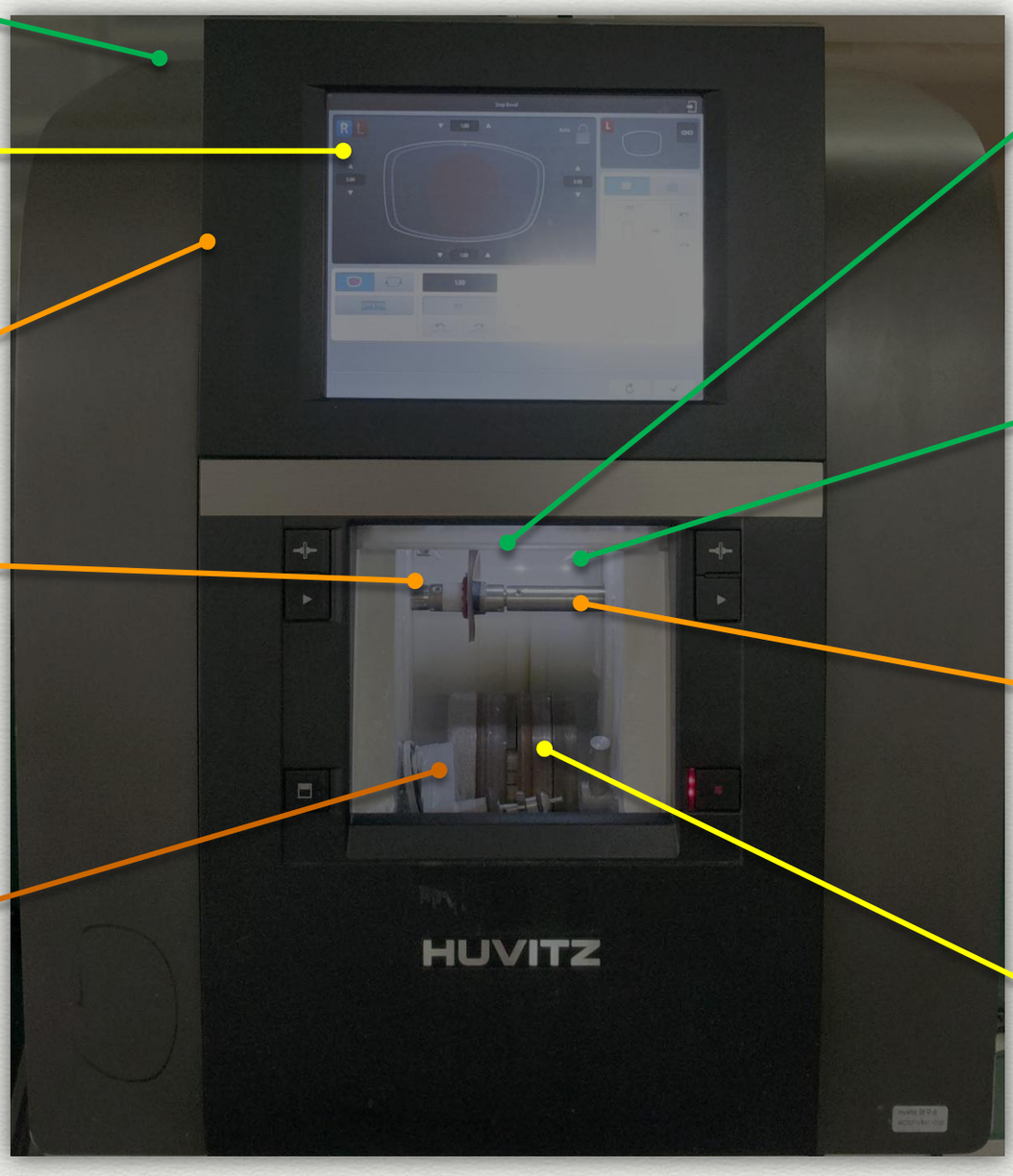
Vacuum Interface

High Resolution LCD
- 1024 x 768 (9.7")

High Speed Platform
- GUI : 1 GHz
- Motor : 120 MHz

Powerful Rotation
- X1.7 stronger motor
- X2.5 longer durability

SBG w/ Step Beveling
(8000X-Only)
- Step beveling cutter
- ~~Milling cutter~~
- X2.5 higher RPM
- X2 stronger motor
- Belt-driven spindle
- No Stroke Calibration



Secure Window
- Mechanical sensor
- Shock absorbing seal
- X2.5 longer lifetime
- Forcing Mode

Robust Feeler
- Tip-bending structure
- X10 more durable tips
- Dual sealing

Smart & Stable Clamp
- Adaptive clamp chuck
- Position-sensor-based clamping

High Performance Wheel
- Ø125, RPGA/RPA type
- 800W, 2HP(Inverter)
- Enhanced polishing quality (esp. w/ poly)

NEW KEY FEATURES

New Features
& Sales Points

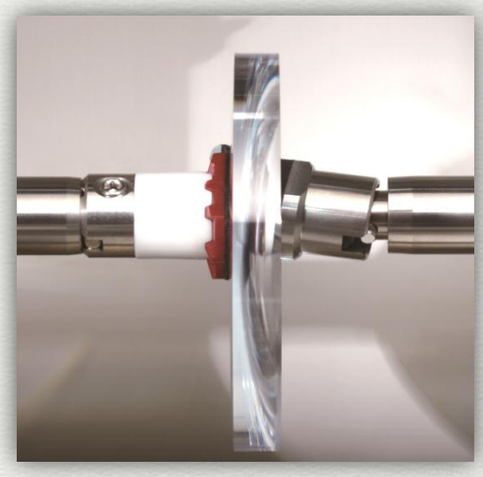
❖ Platform & Mechanism Improvements - Details

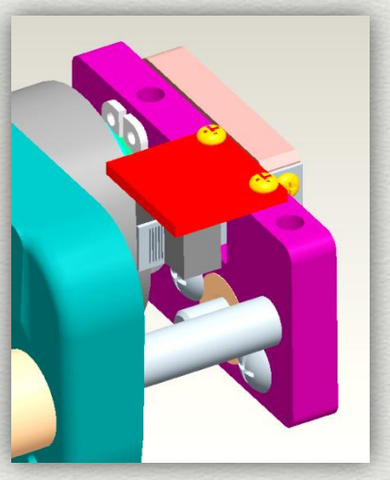
Smart & Stable Clamp
- Adaptive chuck
- Position-sensor-based clamping

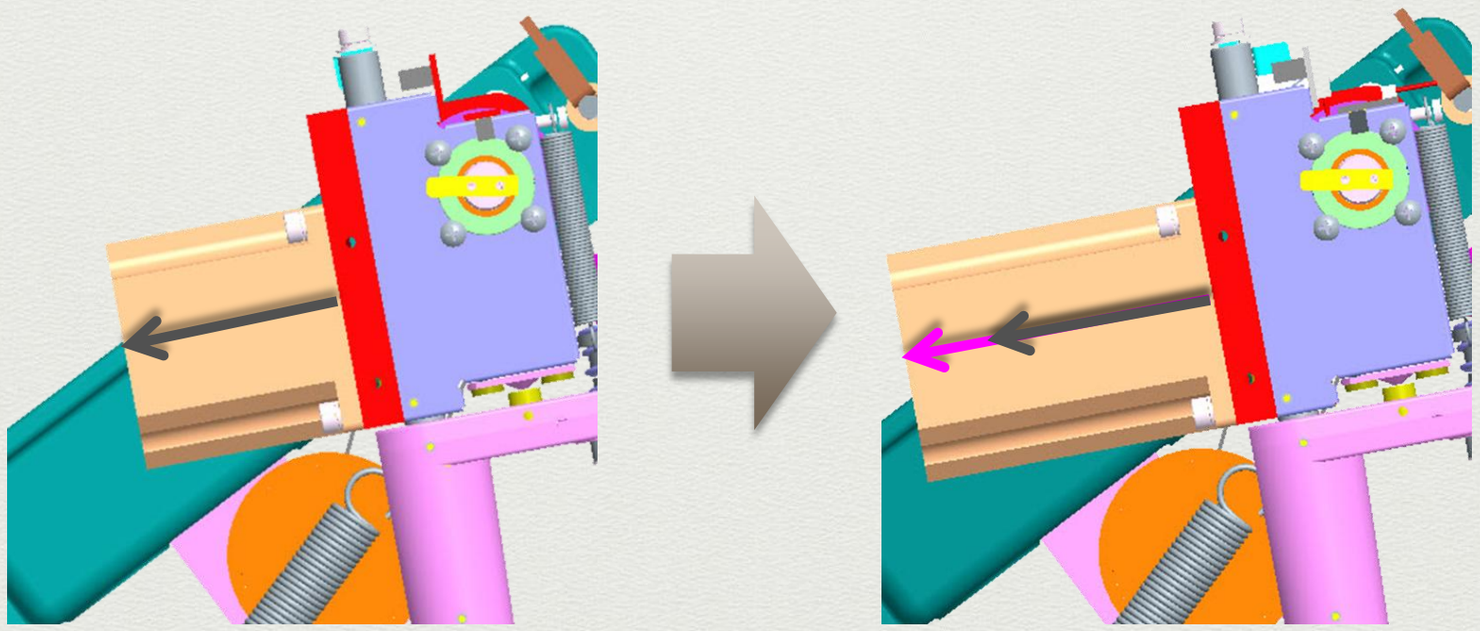
Powerful Rotation
- X1.7 stronger motor
- X2.5 longer durability

- Guarantees anti-axis slippage
- Prevents lens distortion and coating damage

- Implements faster feeling and lens-cutting







[8000]

[8000X/XN]

NEW KEY FEATURES

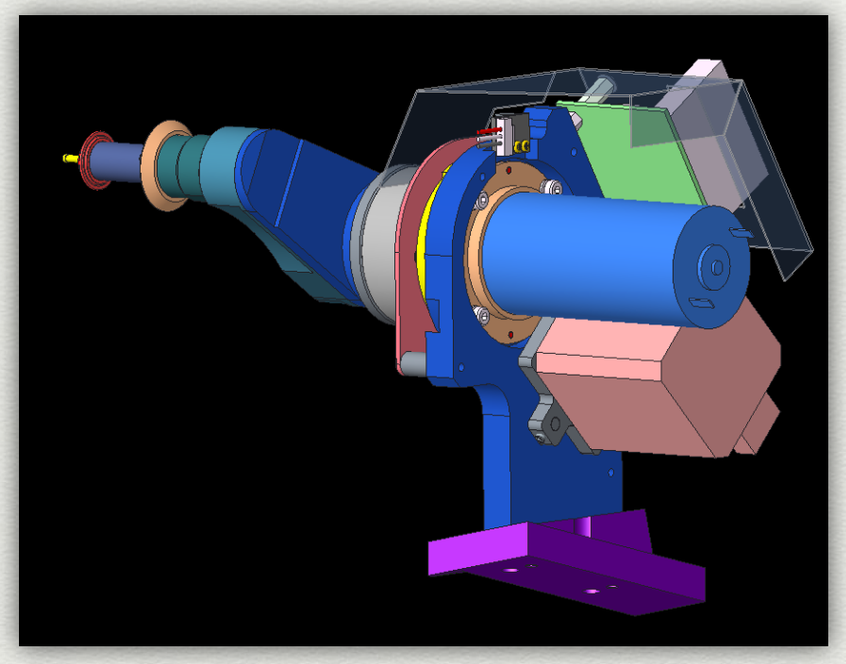
New Features
& Sales Points

❖ Platform & Mechanism Improvements - Details

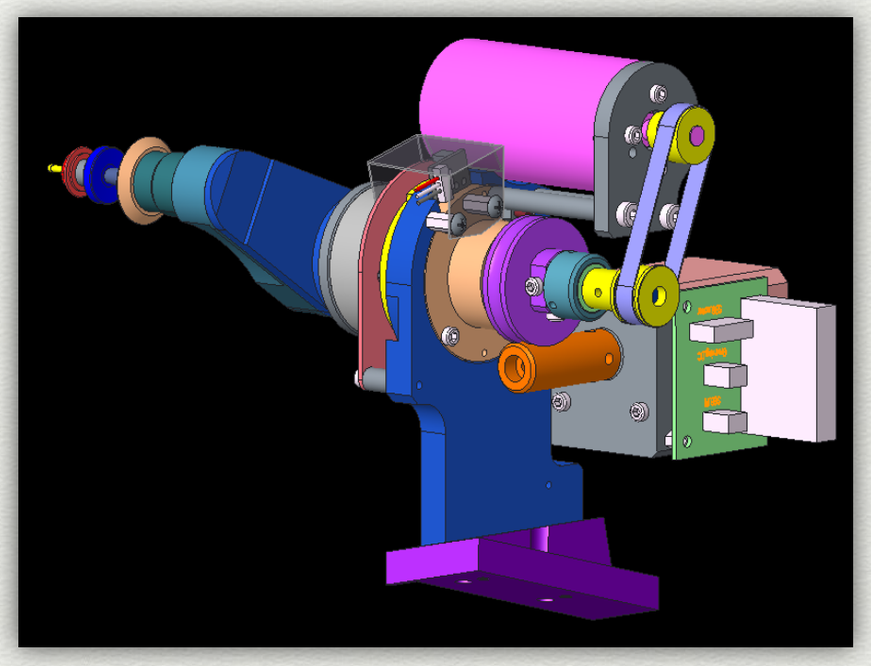
SBG w/ Step Beveling
(8000X-Only)

- Step beveling cutter
- X2.5 higher RPM
- X2 stronger motor
- Belt-driven spindle
  (applied to 8000XN also)

- Quite quieter operation by the belt-driven spindle mechanism
- Faster lens-processing with higher RPM motor
- Robust and fast step bevel cutting by an ultrahard blade



[8000XN w/ No Step Bevel Cutter]



[8000X w/ Step Bevel Cutter]

NEW KEY FEATURES

New Features & Sales Points

❖ Platform & Mechanism Improvements - Details

High Performance Wheel
- Ø125, RPGA/RPA type
- 800W, 2HP(Inverter)
- Enhanced polishing quality

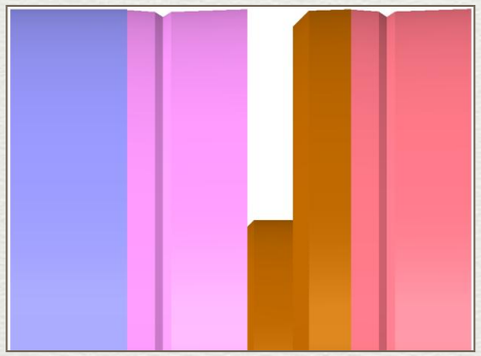
- RPGA wheel configuration for 220V
- RPA wheel configuration for 110V

- Polishing quality enhanced by introducing new wheel design and material (especially for poly lenses)
- Much easier maintenance with polishing

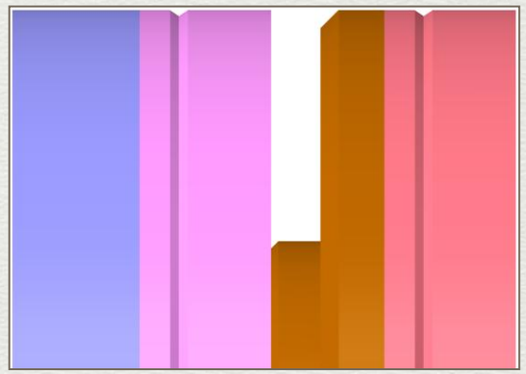
← 8000

← 8000X/XN

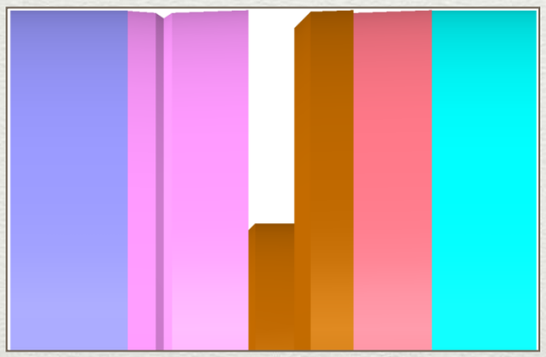
[8000 RPA]



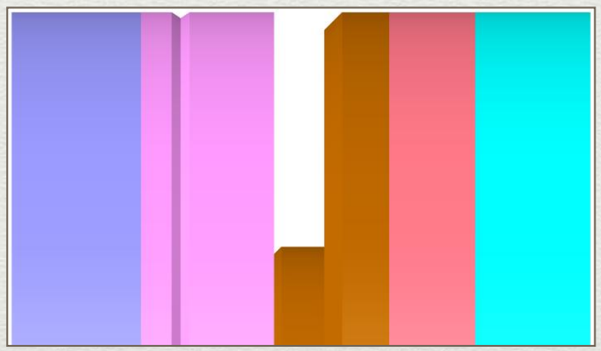
[8000X/XN RPA]



[8000 RPGA]



[8000X/XN RPGA]



NEW KEY FEATURES

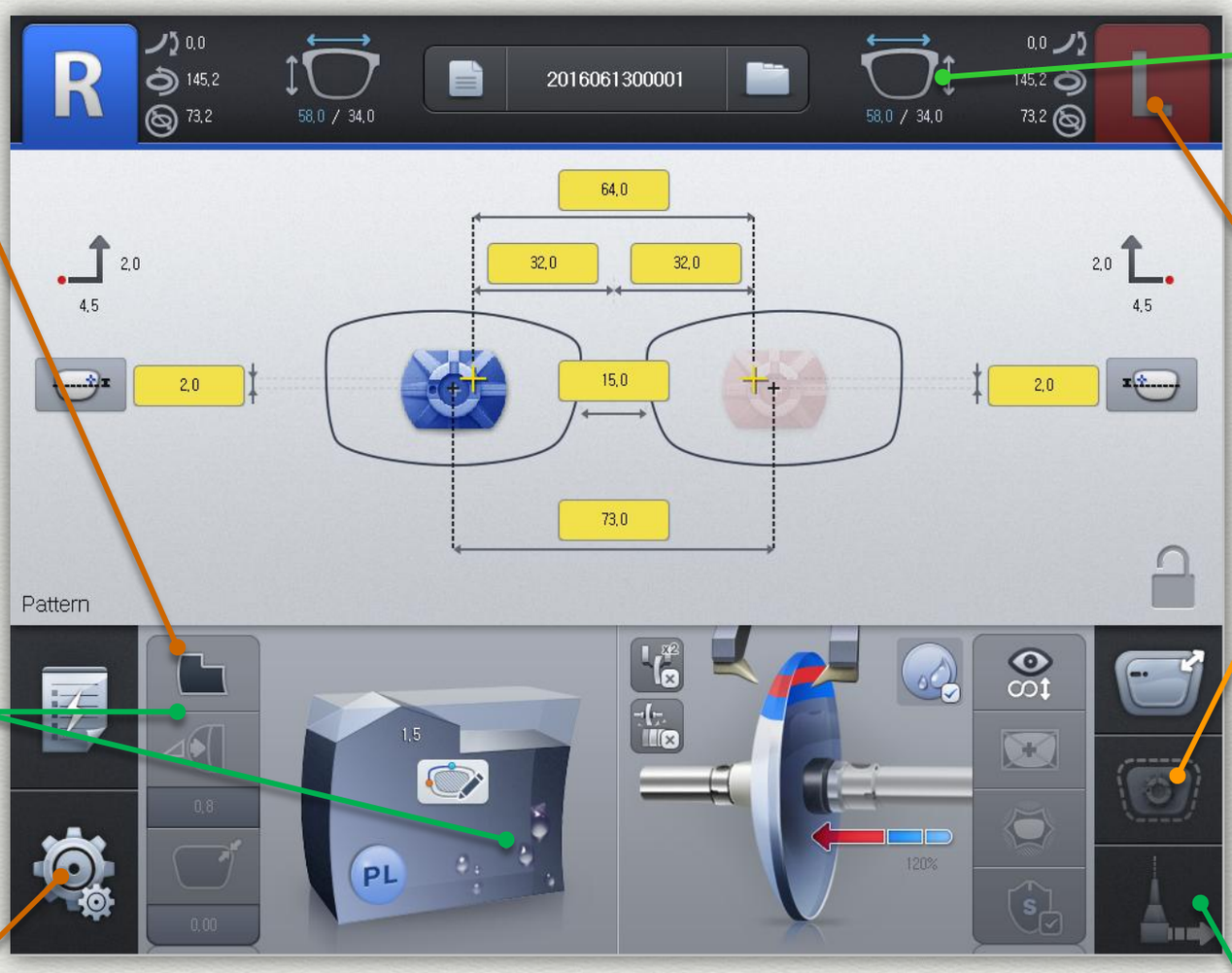
New Features
& Sales Points

❖ Functional Improvements

Edging Capability
- Concave Rimless
- Mini Bevel
- Partial Bevel
- Partial Grooving
- Dual Grooving
- Hybrid Grooving
- **Asymmetric Bevel**
- **Semi-U Bevel**
- **Step Bevel** *

Edging Options
- Hydrophobic Mode
- Auto Position
- Manual Position
- Position Simulation
- Absolute Basecurve

Diagnostic Functions
- **Sensor tests**
- **Movement tests**



Enhanced Fitting
- Auto Fitting
- Auto Modification

DCS Compatibility
- **DCS(OMA) Import**

Smarter Retouch
- Grooving option
- Adding safety bevel
- Adding grooving
- Adding polishing
- Adding holes
- **Step Bevel width** *
- **Step Bevel height** *

Special Drilling
- Easy Click
- Scan & Cut

*) A feature which is supported by 8000X only!

NEW KEY FEATURES

New Features & Sales Points

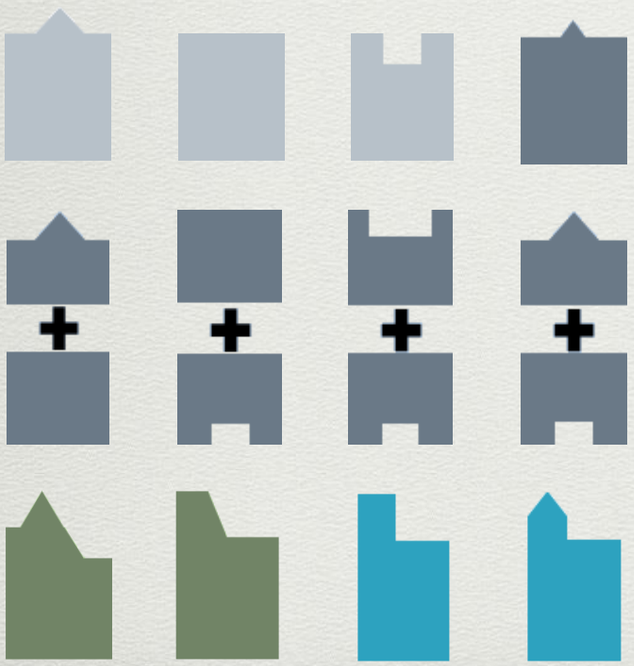
❖ Functional Improvements Details

Edging Capability

- Concave Rimless
- Mini Bevel
- Partial Bevel
- Partial Grooving
- Dual Grooving
- Hybrid Grooving
- **Variable Asymmetric Bevel**
- **Variable Semi-U Bevel**
- **Step Bevel (8000X-Only)**

- **Asymmetric and Semi-U bevel cutting promise better and more aesthetic fitting for high-wrap rims by allowing to set rear height variable around lens edge**

- **Newly introduced Step Bevel cutting makes the best lens fit into high-wrap sunglasses even with special shape cuttings such as ventilation holes ***



*) Specification - lens curve ≤ 6, step bevel height ≤ 6mm, otherwise it may require manual retouch by the customer!

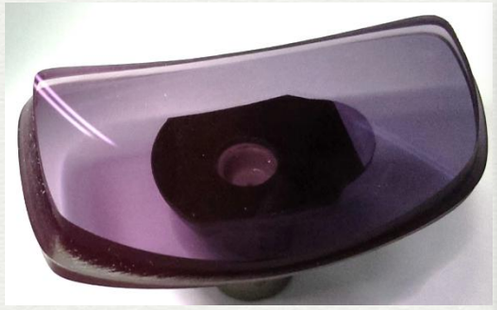
NEW KEY FEATURES

New Features
& Sales Points

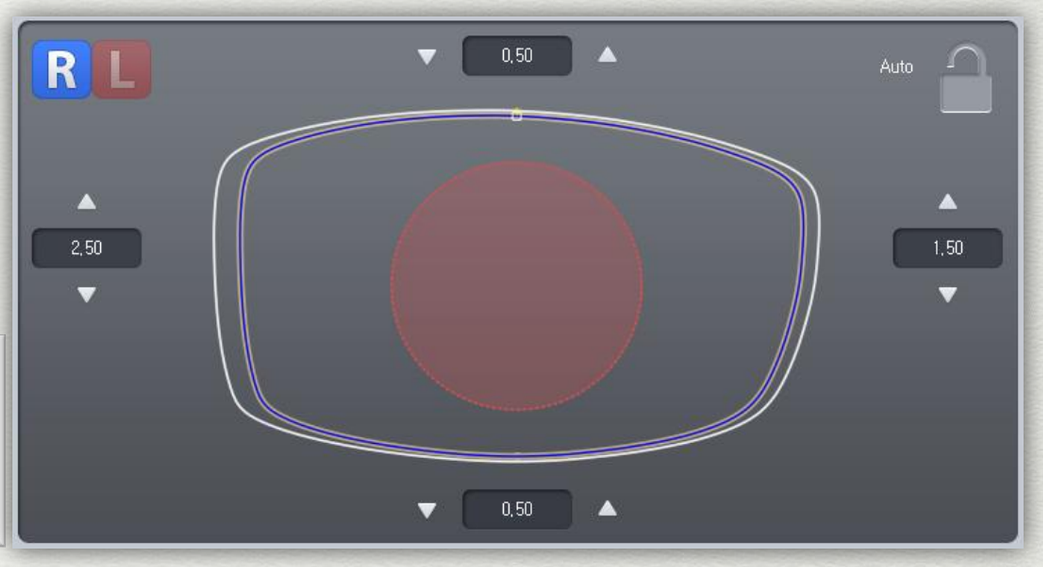
❖ Functional Improvements Details

Edging Capability

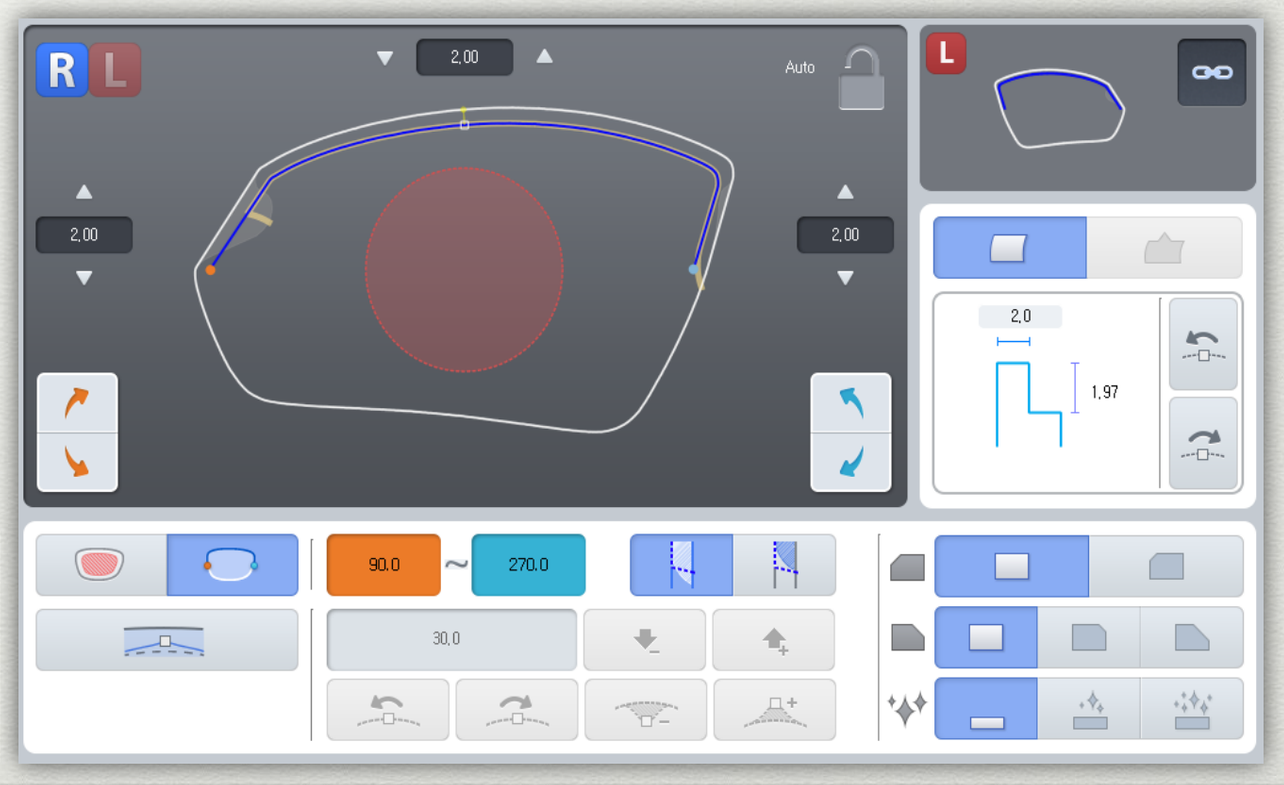
- Concave Rimless
- Mini Bevel
- Partial Bevel
- Partial Grooving
- Dual Grooving
- Hybrid Grooving
- **Variable Asymmetric Bevel**
- **Variable Semi-U Bevel**
- **Step Bevel ***



[Variable Asymmetric Bevel]



[Step Bevel]



***) A feature which is supported by 8000X only!**

NEW KEY FEATURES

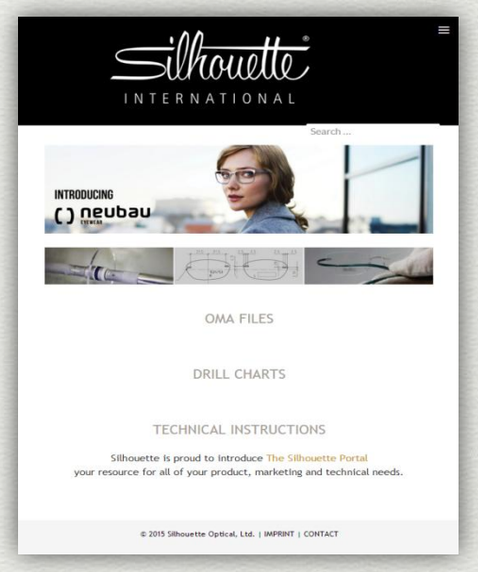
New Features
& Sales Points

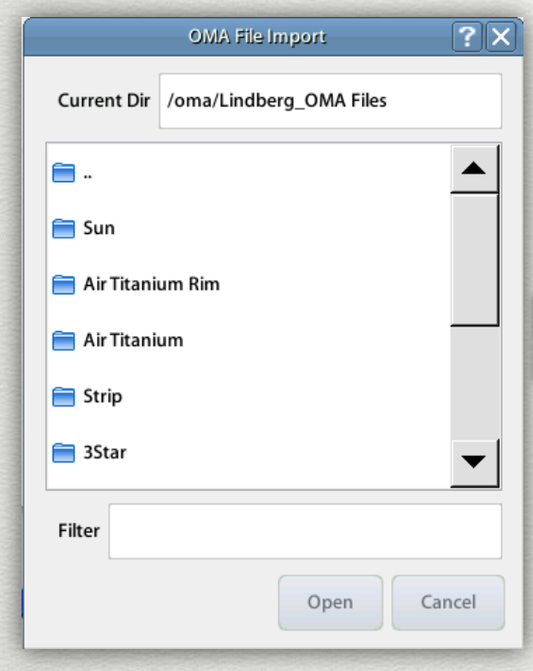
❖ Functional Improvements Details

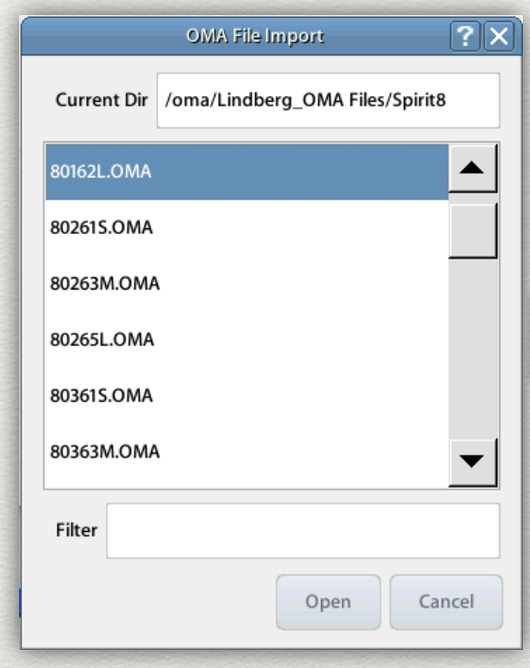
DCS Compatibility
- Direct DCS(OMA) Import

- **Importing DCS(OMA) job files directly from SD card without via PC conversion utility - Thousands of job files provided by frame manufacturers can be ready-to-cut in a minute! Even including drilling!**

- **Exploiting manufacturer-providing job files not only saves time greatly but also guarantees degree of precision in job layout!**







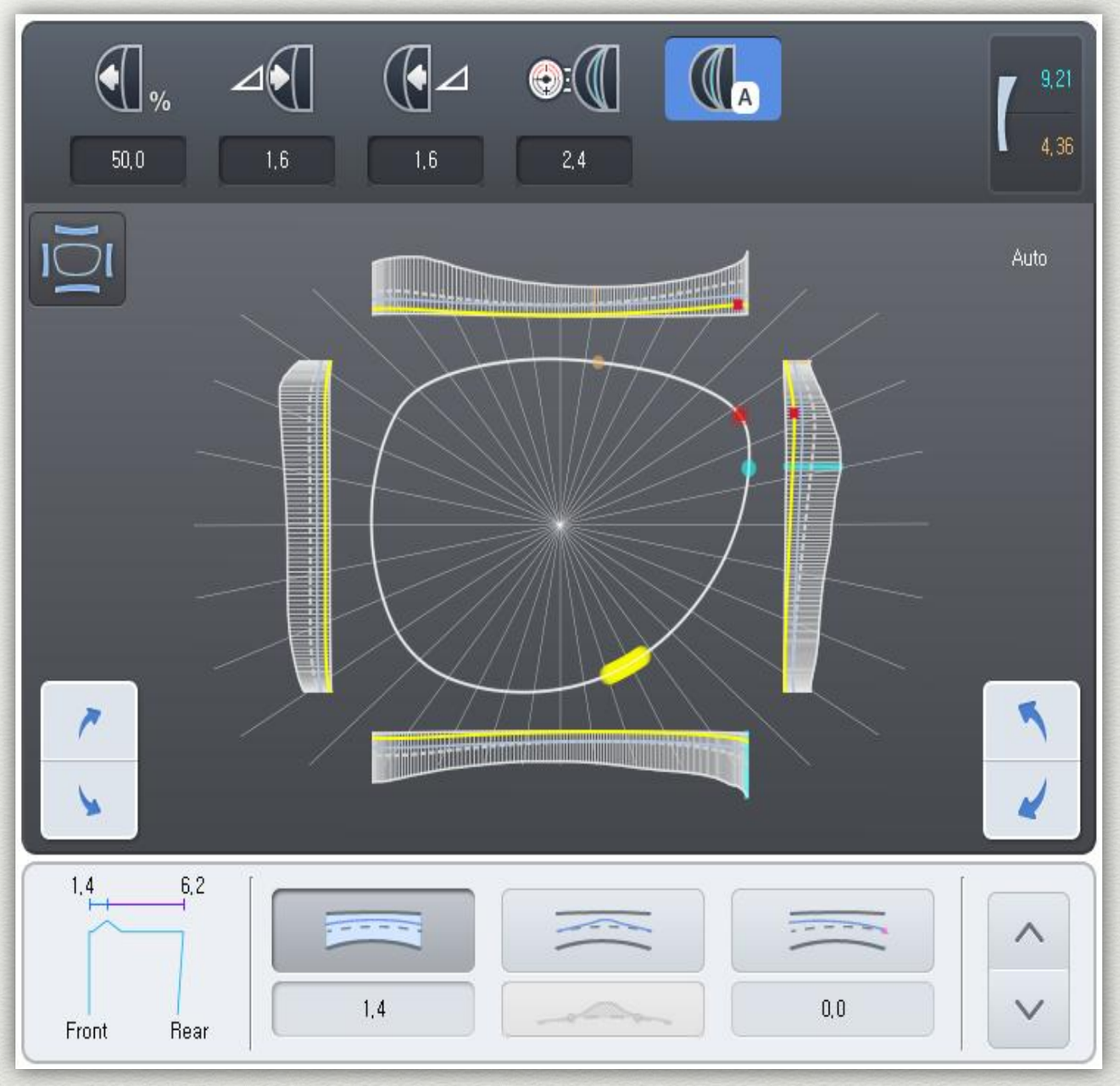
NEW KEY FEATURES

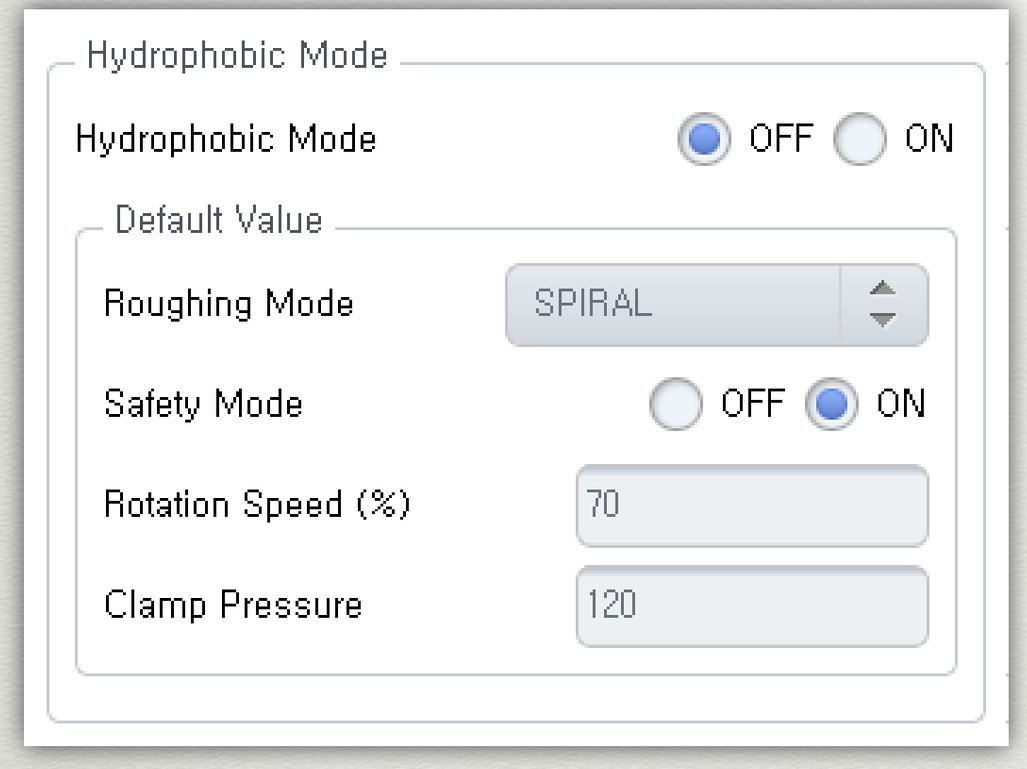
New Features
& Sales Points

❖ Functional Improvements Details

Edging Options

- Hydrophobic Mode
- Auto Position
- Position Simulation
- Manual Position
- Absolute Base curve





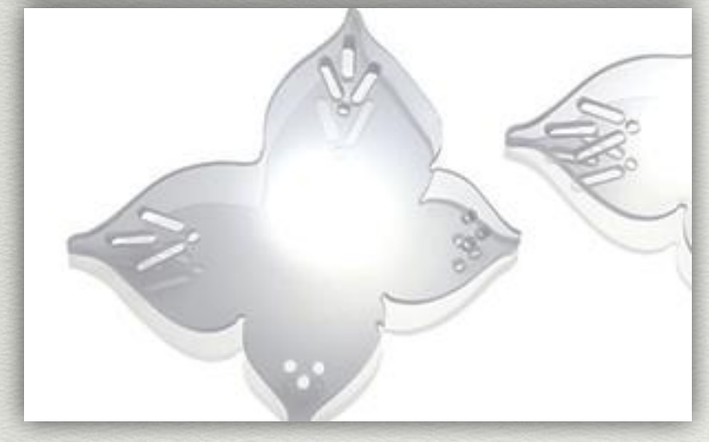
NEW KEY FEATURES

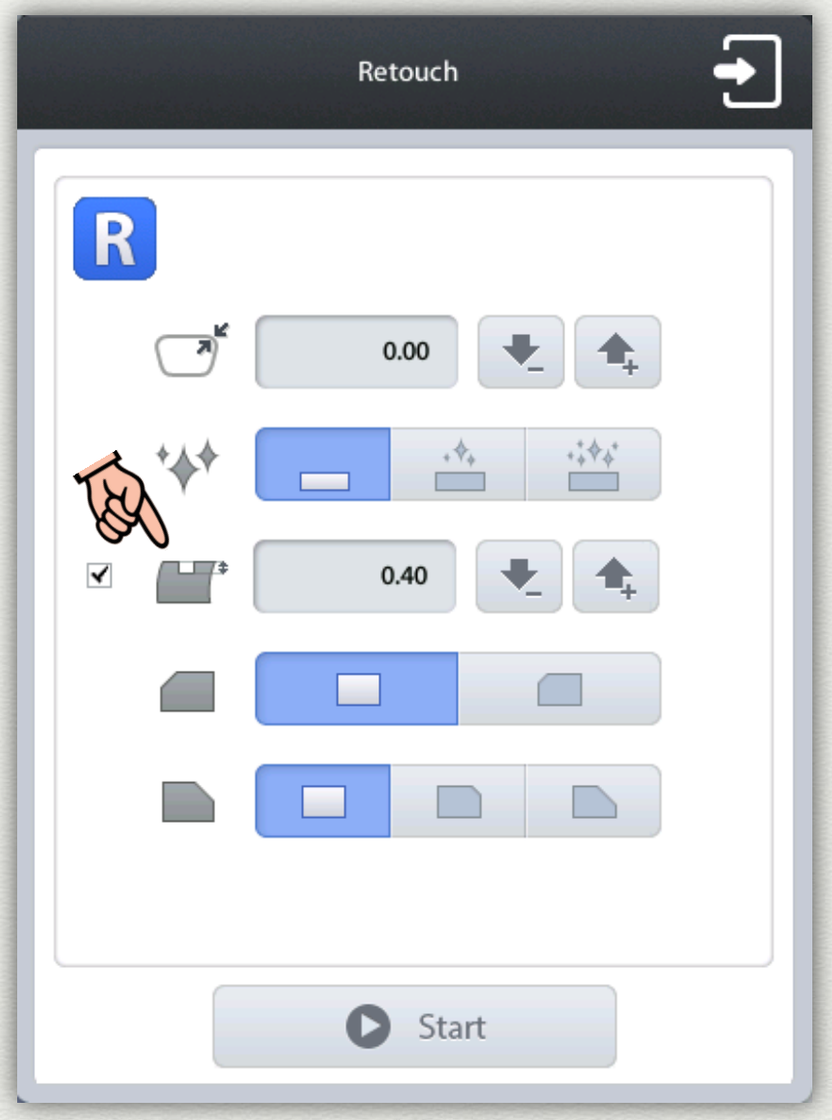
New Features
& Sales Points

❖ Functional Improvements Details

Special Drilling

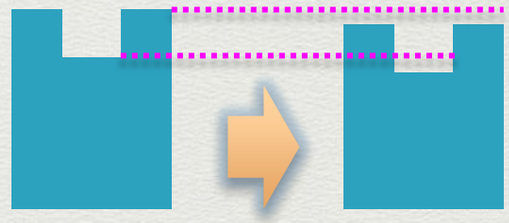
- Easy Click
- Scan & Cut*1

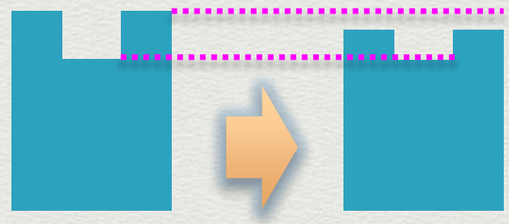




Smarter Retouch

- Grooving option
- Adding safety bevel
- Adding grooving
- Adding polishing
- Adding holes
- **Step Bevel width ***
- **Step Bevel height ***





*) A feature which is supported by 8000X only!

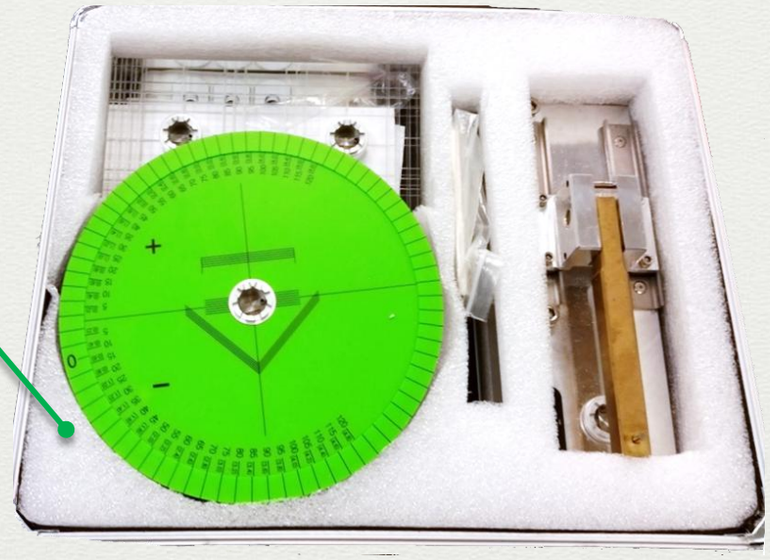
NEW KEY FEATURES

New Features
& Sales Points

❖ Engineers' Benefits

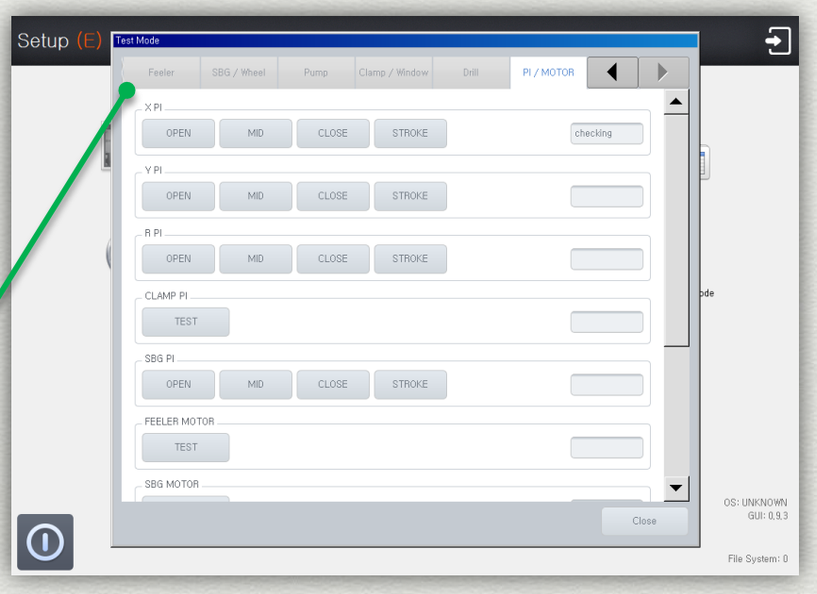
Maintenance

- Retouch-and-Adjustment
  - Polishing wheel size
  - Grooving depth
  - Safety bevel amount
- Axis Jig Package
  - Line Maker
  - Axis Alignment
  - Axis Alignment(acryl)
  - Alignment Plate



Troubleshooting

- Self-Diagnostics
  - Sensor tests
  - Movement tests
  - Automatic execution
- Auto Recovery on the failure of s/w upgrade



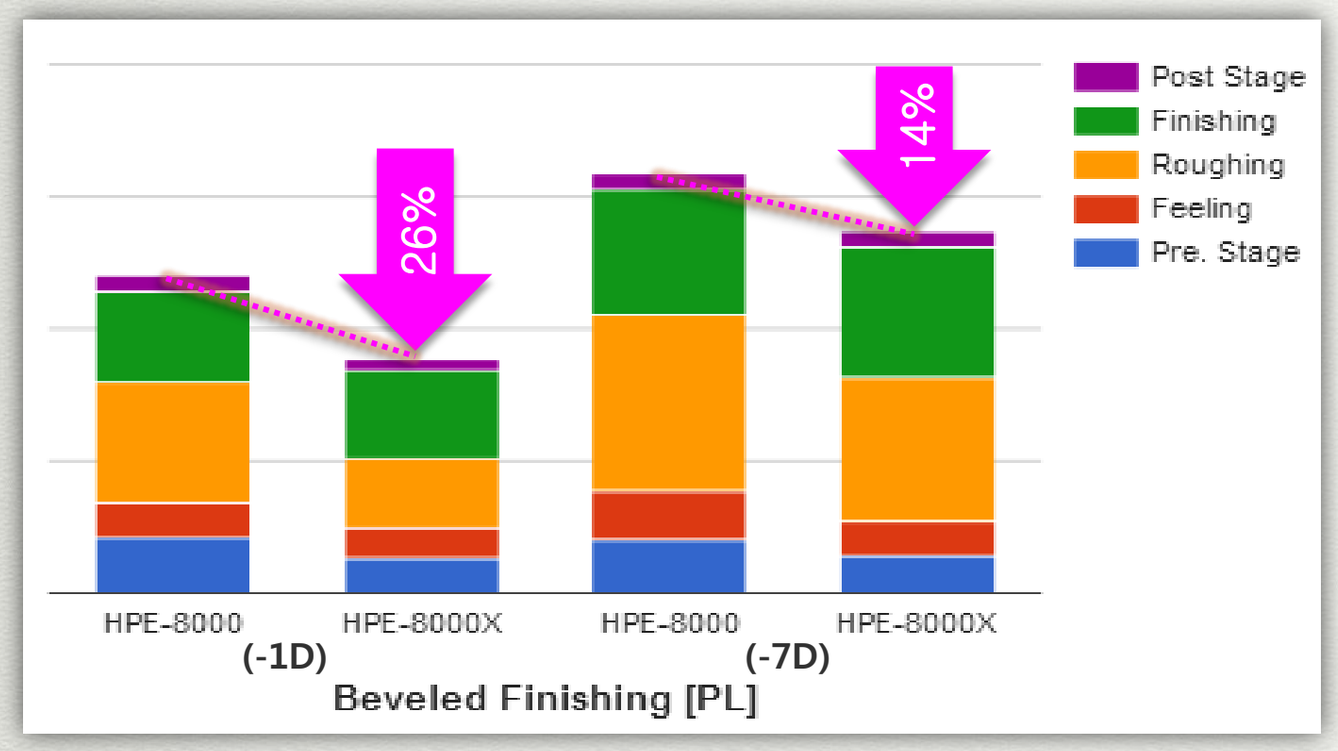
Technical Support

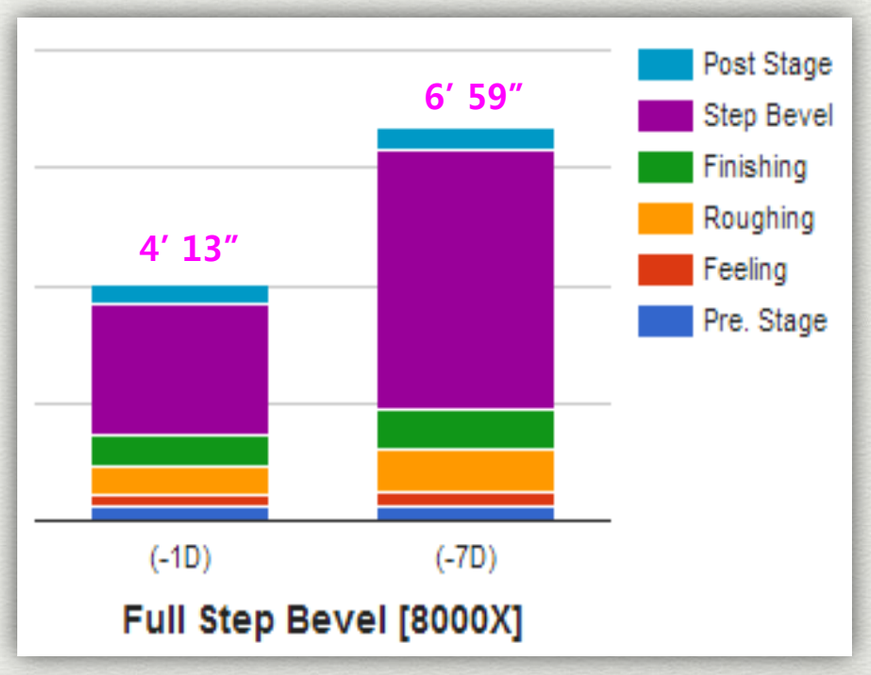
- Window Simulator
  - Per-PC License

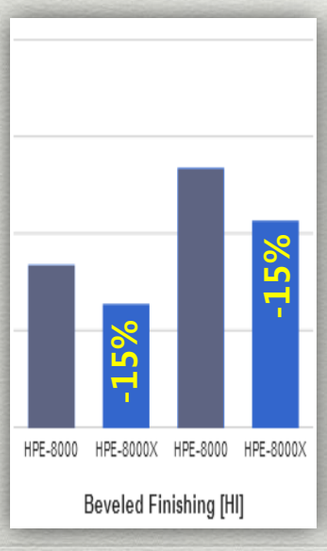
SALES POINTS OF PERFORMANCE

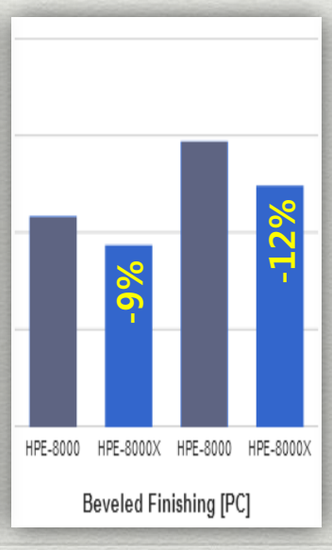
New Features
& Sales Points

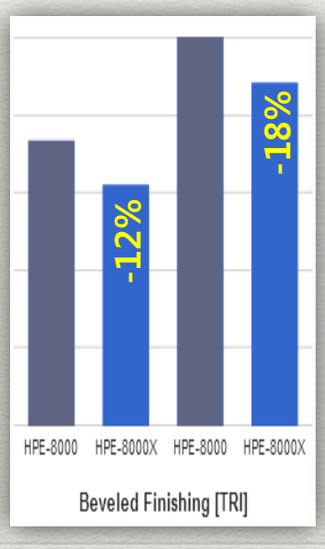
❖ Processing Time

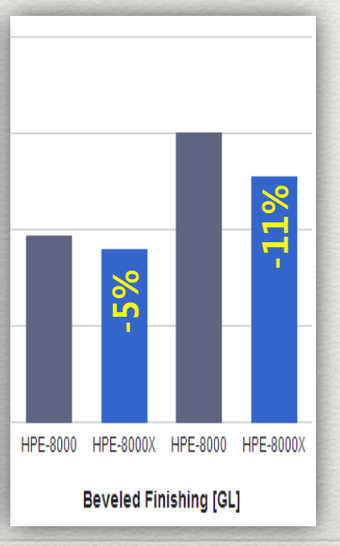


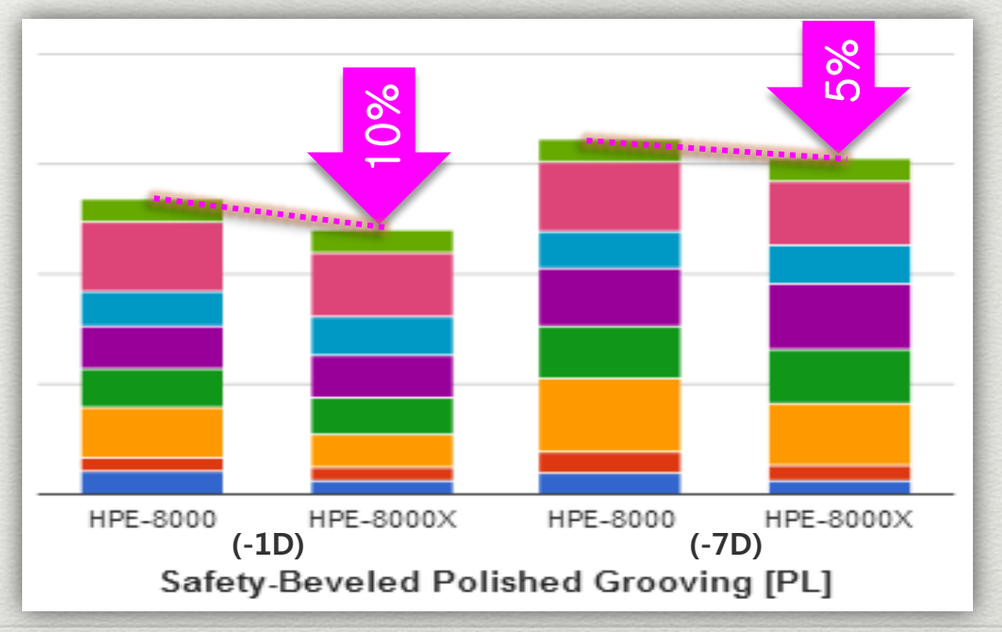












* PL=1.61, HI = 1.67

SALES POINTS OF FEATURES

New Features
& Sales Points

❖ Features Summary

Feature	Specification & Details
11 different edging types	Bevel, Rimless, Grooving, Mini Bevel, Variable Asymmetric Bevel, Variable Semi-U Bevel, Step Bevel*, Partial Bevel, Partial Grooving, Dual Grooving, Hybrid Grooving
3 different feeling positions with 3 different modes and 1 option	Feeling Position: normal, frame change, shortage check Feeling Modes : both sides, front-only, rear-only Feeling Option : feeling after roughing
Hydrophobic mode – setting all the edging options for axis-safe cutting by one click of a button	Roughing mode, Safety mode, Clamp pressure, Rotation speed
6 different types of edging position	AUTO, MANUAL, Base Curve(absolute), Percent, Front Offset, Rear Offset
Predefined 3 level of pressure control	Predefined level : High Pressure, Mid Pressure, Low Pressure Manual input : 50 ~ 150%
4 types of retouch option	Size, Polishing, Grooving, Safety Bevel Any of the edging option missed by mistake can be added and processed in the retouch mode! Grooving retouch can be turned off to make it shallower. Asymmetric and Step Bevel can also be retouched.
Retouch support for history jobs	Up to latest 3 jobs
Direct DCS(OMA) import	DCS job file includes frame shape, FPD, finishing style, lens material, drill coordination, and etc. Maintaining DCS(OMA) files in folder-base removes all the concerns about filename duplication!

*) A feature which is supported by 8000X only!

SALES POINTS OF FEATURES

New Features
& Sales Points

❖ Features Summary

Feature	Specification & Details
Fixing and modifying frame shape	R/L shape-switching, R/L shape-mirroring, free modification by the Digital Pattern – shape modification by directions, ratio, rotation, and partial edition.
Easy-to-use hole editor	Drilling type: hole, slot, notch Coordination: center, edge, box User-definable presets, easy mover, saving/loading drill data, mirroring, hole retouch, undo/redo
Multiple job handling and concurrent processing	Job Manager provides handling on waiting jobs, processing jobs, processed jobs, and saved jobs list! Preparing next jobs while edging a job.
Parallel processing of edging and drilling* job	Automatic angle (0 ~ 30°) Wrap removal mode High quality mode
Easy Click* – the easiest way to make Chemistrie clips	A set of jobs including primary, sun, and reader lens is automatically created. Drilling-only mode for adding clips on existing glasses!
Scan & Cut* – the freedom of creating special-shape frames	
DCS(OMA) compatible	Compatible with VCA DCS V3.04
Barcode reader support	Job number input, Job search, Job request

*) A feature which is supported when the edger is connected with an HDM-8000 external driller!

FEATURES COMPARISON

Comparison with 8000

Feature/Function		HPE-8000	HPE-8000X	HPE-8000XN
Platform	GUI B/D	1 GHz	1 GHz	1 GHz
	Motor B/D	66 MHz	**120 MHz**	**120 MHz**
	LCD	10.4" 1024 x 768	9.7" **1024 x 768**	9.7" **1024 x 768**
	External Memory	SD card	SD card	SD card
AC Output	Vacuum I/F	O	**O**	**O**
Major Modules	Feeler	Front & rear simultaneous Arm-bending	Front & rear simultaneous Tip-bending X10 more durable tips	Front & rear simultaneous Tip-bending X10 more durable tips
	Clamp	Fixed chuck	**Adaptive chuck** **Position sensor** added	**Adaptive chuck** **Position sensor** added
	SBG	Gear-driven spindle Up/Down by spur gear Stroke calibration required	**Belt-driven spindle** **Up/Down by worm gear** **X1.5 spindle RPM** **X2.3 motor power** **No Stroke Calibration**	**Belt-driven spindle** Up/Down by spur gear Stroke calibration required
	Rotation	Stepping motor	**X1.7 stronger stepping motor** **X2.5 longer durability**	**X1.7 stronger stepping motor** **X2.5 longer durability**
	Window	**Mechanical sensor** **Shock-absorbing tubular seal** **2-stage control**	**Mechanical sensor** **Shock-absorbing tubular seal** **2-stage control**	**Mechanical sensor** **Shock-absorbing tubular seal** **2-stage control**
	Wheel & Wheel Motor	Ø125, RPGA/RPA/RPG type 800W, 2 HP(Inverter) F/P Angled	Ø125, RPGA/RPA type 800W, 2 HP(Inverter) **F/P Flat**	Ø125, RPGA/RPA type 800W, 2 HP(Inverter) **F/P Flat**

FEATURES COMPARISON

Comparison with 8000

Feature/Function		HPE-8000	HPE-8000X	HPE-8000XN
Special Edging Types	Standard Shape	Bevel, Flat, Grooving (Concave shape supported)	Bevel, Flat, Grooving (Concave shape supported)	Bevel, Flat, Grooving (Concave shape supported)
	Special Bevel	Mini, Partial(bevel+flat), Asymmetric, Semi-U	Mini, Partial, Asymmetric, Semi-U, Step*	Mini, Partial, Asymmetric, Semi-U
	Asymmetric/Semi-U Rear Height	Fixed	Variable	Variable
	Special Grooving	Partial, Dual, Hybrid(grooving+bevel)	Partial, Dual, Hybrid	Partial, Dual, Hybrid
Edging Options	Hydrophobic Mode	O	O	O
	Roughing Mode	Normal, **Spiral,** Axial, Milling	Normal, **Spiral,** Axial	Normal, **Spiral,** Axial
	Position	Basic(%, mm, base curve), **Auto, Manual**	Basic, **Auto, Manual**	Basic, **Auto, Manual**
	Base Curve Mode	Absolute	Absolute	Absolute
	Position Simulation	O	O	O
	Polishing Quality	O	O↑	O↑
Fitting Enhancement	Auto Fitting	O	O	O
	Auto Modification	O	O	O
Drilling	HDM-8000 Connectivity	O	O	O
	Easy Click	O	O	O
	Scan & Cut	O	O	O

*) A feature which is supported by 8000X only!

TO GET MORE INFORMATION ...

More Support

Contact and ask to your regional sales reps.

① Download High Resolution Images

② Question to The Product Manager

③ SVC Inquiry

④ E-Brochures