

# Huvitz Patternless Edger HPE-810

with Integrated Drill



**Huvitz** Re:define. Re:create

Incomparable Stability,  
Another Leap Towards  
Perfectionism



## Specification

|                   |  |
|-------------------|--|
| Lens Material     | Plastic, Polycarbonate, High Index Plastic, Glass, Trivex  |
| Wheel             | Diameter 150mm, RPG Type   |
| Edging Mode       | Beveling (Normal / Auto / Manual Mode, Mini Bevel Option)<br>Grooving (Normal / Auto / Manual Mode, Partial / Hybrid / Dual Grooving Option)<br>Flat Edging<br>Safety Beveling<br>Polishing  |
| Functions         | Job Manager, Digital Pattern, Hole Editor, Retouch, Bevel / Groove Simulation, Shape Mirroring, Easy Click, Concave Shape, Scan & Cut (Optional)   |
| Utilities         | LCD Tilting<br>Automatic Edging Room Door<br>Edging Room illumination<br>Simultaneous Bilateral feeding<br>SD Card Storage (Memory Included)<br>Barcode Reader (Optional)<br>Vacuum Interface (Optional)   |
| HW Platform       | GUI (1GHz), Motor (120MHz)   |
| Display           | 9.7 inch Color TFT LCD(1024x768) with Touch Screen   |
| Edging Size       | Max : 90mm<br>Min : Flat Edging : 18.5mm (without safety bevel) / 23.0mm (with safety bevel)<br>Bevel Edging : 20mm (without safety bevel) / 24.7mm (with safety bevel)  |
| Drilling          | Hole Type : Hole, Slot, Notch<br>Hole Size : Ø1.00~5.00mm<br>Hole Depth : Max 6.0mm<br>Range of Hole Drilling : Ø32.0~75.0mm from lens rotation axis,<br>Slot Width : 1.0~5.0mm<br>Slot Length : Max 20.0mm,<br>Tilting Mode : Automatic, Manual (0~30°) |
| Dimensions        | 540(W) x 462(D) x 597(H)   |
| Weight            | 55kg   |
| Power Supply      | AC 100~120V / AC 200~230V 50/60Hz  |
| Power Consumption | 1200W(110V), 1500W(220V)   |

## System Configurations



A. HPE-810 + HAB-8000



B. HPE-810ND + HAB-8000 (+ HDM-8000)



C. HPE-810 + HBK-7000 + HFR-8000



D. HPE-810ND + HBK-7000 + HFR-8000 (+ HDM-8000)



Integrated Drill Adaptive Chuck

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



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## Patternless Edger

### HPE-810 with Integrated Drill



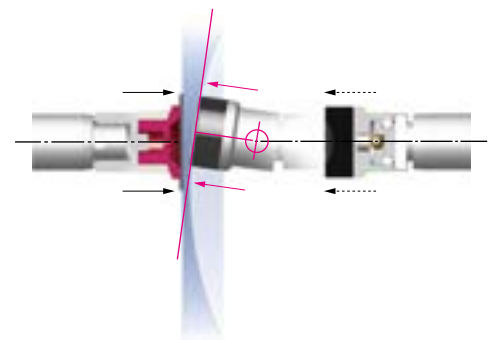
**Change Provides You Beautifully Crafted Perfection.  
Be a Perfectionism, HPE-810.**

Spotlighting at fashionable frames and unique shaped sunglasses magnifies the trouble in your lens edging process.

Now HPE-810 comes as your tailor-made hands for realizing your perfection in real world.

**The First Step in Processing at "0%" Error**

Lens processing perfectionism - you may be well when make good catch. Regardless of the slope of a contact surface, the specially designed clamp grabs a lens securely while it delivers uniform pressure against strong motor torque. HPE-810 minimizes the lens axis twisting and coating & surface damage by adopting the new clamping chuck applying a joint motion mechanism.





#### Adaptive Clamp Chuck of Joint Configuration

High curved lenses are exposed to flawed results due to axis twisting during processing. HPE-810 leads to a new era of adaptive clamp chuck of joint configuration which minimizes axis twisting and any potential damages to lenses.

#### Auto / Manual 3D Simulation

3D simulation supports easier bevel / groove positioning.

Auto positioning function reads frame and lens curve automatically and concludes the best position of bevel / groove.

Additionally, manual positioning function allows opticians to manually position bevel / groove for the best result.



#### Powerful Drill

High power motor makes HPE-810 more powerful and leads to 40% reduction in processing time from previous model (HPE-7000).

Easy hole editing management and high power motor makes a great synergy effect for rimless glasses.



### Excellent Speed and Stability! HPE-810 Opens a New Era!

Save your time and be surprised at result.

HPE-810 delivers the full satisfaction to you with speed and delicacy.



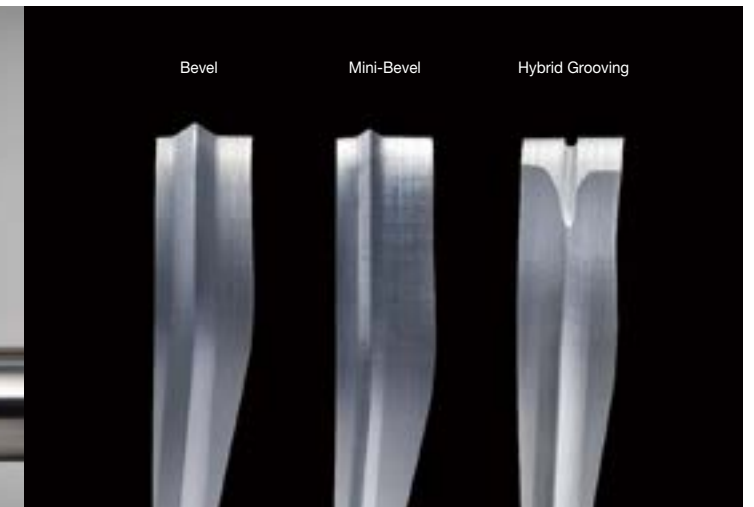
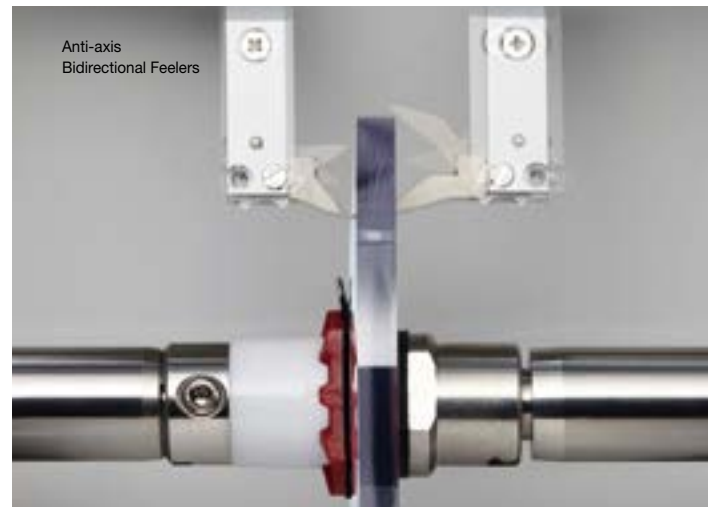
#### Design Your Imagination - Scan & Cut (Optional)

As designs of glasses are diversifying, a demand for edger capable of processing all designs becomes is increasing. Scan & Cut function of HPE-810 supports processing all designs without any restrictions. Scan your design and fit it in your frame with HPE-810.



## Experience Excellence with HPE-810!

Powerful and stable drilling, a variety of bevel options for customized processing, Easy Click - on sunglasses and many other attributes are here to satisfy your demand under name of HPE-810!



### Tiltable Drill for High Curve Lenses

Tiltable drill in a range of 0~30° supports excellent hole processing for all kinds of high curve lenses.

### Bidirectional Feeling - Processing Time Reduction

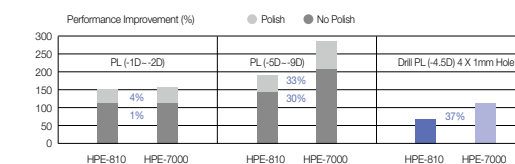
Bidirectional feelers of improved configuration are more durable and simultaneous feeling of front and back sides reduces lens thickness recognition time by maximum 50%.

### Larger Wheels - Processing Time Reduction

Larger wheels reduce processing time by 30% from previous model.

### Faster Processing

HPE-810 supports faster edging by 30% and drilling by 40% from previous model.



### Powerful Direct Motor Drive

Servo-motor of more than 1 HP guarantees agile working responses and makes HPE-810 even more competitive with faster processing.

### Highly Efficient CPU

1GHz CPU supports next job management during current job processing.

### Partial & Hybrid Grooving

A combination of sectional grooving and beveling - Partial & Hybrid Grooving Function - supports processing of more variety of frames.

### Customized Mini Bevel

Bevel height is customizable for frames with short groove depth and produces lens which fits perfectly in frame. (Mini Bevel Height : Min 0.1~Max 0.8mm)

### Concave Shape Processing

HPE-810 processes even concave shape on lenses, within a range of wheel curvature.

### Easy Click Editing (for Chemistrie Clip Frames)

Chemistrie clip editing function allows far and near sight glasses and even sunglasses to be used on a single frame. Entire process can be easily done at a single click with user-friendly UI.