

# NEKSIA™

Ignite your productivity.



NEKSIA

A robust and high-performing  
in-store edging system.



# 1. Harness an intuitive system



## Seamless Navigation

Immerse yourself in the world of user-centric navigation with our easy-to-read color touch-screen display.

## Personalized Interaction

Create a personalized experience with customizable device settings.

## Fully Guided Precision

Practice in-store finishing with ease thanks to our intuitive and fully-guided interface. Our smart contextual prompts and 3D work area will guide you every step of the way.

## 2. Boost workflow efficiency



### Fast, Easy and Extended Frame Tracing

Neksia™ leads the way in rapid frame tracing with auto-frame-type selection and simple blocking.

Neksia™ automatically adjusts decentrations based on frame parameters and wearer data, guaranteeing optimized precision.

### Automatic Drilling-Hole Recognition

Enhance your productivity with Neksia™ through simultaneous shape acquisition and automatic detection of drilling holes.

### Precise Centering and Convenient Blocking

Neksia™ offers real-time orientation and confirmation of centering position, combining auto-control and visual prompts, to ensure foolproof accuracy.



### 3. Achieve high performance

#### Ensure Axis Accuracy

Neksia™'s advanced technology combines edging-cycle algorithms and cutting-force regulation to ensure accurate edging in every situation.

With Neksia™'s Edging Assisted System (EAS) cycle, avoid axis deviation, especially on hydrophobic lenses, rectangular shapes or delicate lenses.

#### Secure Aesthetic and Snug Fit

Attain a well-finished bevel, groove, or drilling cycle in just a few clicks for most of your jobs to ensure that every lens is meticulously positioned for an aesthetic and snug fit, regardless of the material or frame type.

#### Avoid Risks of Breakage

Neksia™'s flexible chamfering wheel adapts its pressure seamlessly to the lens's edge, conforming to its unique shape and curve through its consistent intelligent chambering.

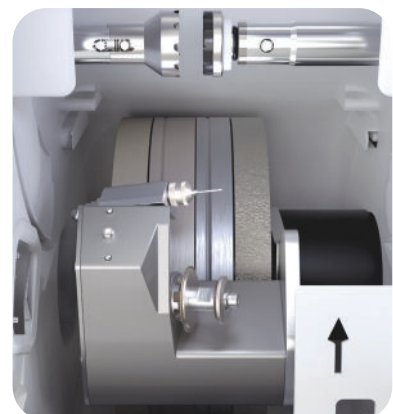
#### Offer High Curve Eyewear\*

Neksia™'s 550 and 650 high curve models expand the field of possibilities with the high curve function. Ensure large lens base curve coverage for all lens materials, except mineral.\*

\*Edging mineral lenses with NEKSIA™ high curve is not possible.



Below: Neksia™ flexible chamfering wheel. Drilling and grooving tools can be tilted up to 15°.



## In-store finishing: at the heart of optical business

**NEKSIA™ is a robust and high-performing in-store edging system.**

It is a value-for-money solution to save time, reduce the risk of third-party errors and boost productivity.\*

NEKSIA™ embodies Essilor's years of experience in high-performance and precision edging, offering one of the most user-friendly and productive systems in its class.

\*As per Internal PQV study performed in January 2024. Neksia™ compared with other Essilor Instruments edging systems, for rimmed frame and with no chamfering/polishing function.



# Technical Specifications

## Ignite your productivity functions

**Myopia Fit** Manual centering.

**Frame tracing:** Automatic binocular tracing in 3 Dimensions - High-precision tracing cycle with rim profile measurement. High-precision cycle with acquisition of groove profile. Advanced High-Base Cycle.

**Optical tracing:** Demo lenses, recut lenses and patterns.

**Database:** Shapes and drilling models.

**Centering 2-way optical system** with prismatic correction. 3-D compensation Centering cross adapted to each lens type. Built-in zoom.

**Centering aid:** Progressive lenses and single-vision lenses. Automatic detection of centering marks (re-dotted micro engravings, markings, focimeters dots). Real-time orientation and confirmation of the centering position, combining auto-control and visual prompts.

**Shape modification:** Scaling, B-dimension, 1/2 B-dimensions, A-dimension, 1/2 A-dimension, rotation.

**Blocking:** Front loading of the posiblock. Electrical clamping command with pressure control.

## Finishing features

**Bevel/ Flat /Polish / Chambering** front and/ or back face, by flexible chambering wheel.

**Mini Bevel.**

**Lens Measurements\*** Simultaneous front and back sides of the lens.

**Bevel:** 3D bevel preview, configurable bevel trajectory (automatic or manual).

**Grooving: Grooving tilt up to 15°:** configurable width and depth (in steps of 0.05mm), configurable positioning (automatic or manual).

**Drilling: Drilling tilt up to 15°:** Automatic adjustment of the drilling angle - From 0.8 to 3.0mm, oblongs, straight or angled notches, half through holes.

**Versions:** 3 wheels (w/o mineral wheel), 4 wheels (with mineral wheel).

**Roughing Cycles:** Standard (\*), and EAS (Edging Assisted system) cycle with intelligent approach of the wheel.

## Other features

Screen Size **TCB & Edger** in position  
Dimensions **Edger** HxWxD (in) and  
Weight (lbs)

Dimensions **TCB** (Tracer-centerer-blocker)  
HxWxD (in) and Weight (lbs)

Power consumption & Power supply  
voltage **TCB** (Tracer-centerer-blocker)

Power consumption & Power supply  
voltage **Edger**

**TCB:** 10" / 4:3 Touch Screen **Edger:** 8.4" / 4:3 Touch Screen Top right display  
H: 24.4, W: 22.0, D: 16.5 in., 148 lbs.

H: 24.4, W: 11.8, D: 19.7 in., 50 lbs.

250W - 240-110V ~ 60/50 Hz 5-3 A

1350W - 220-240 V ~ 60/50 Hz 10 A

2000W - 100-120 V ~ 60/50 Hz 15 A

## Neksia with Neksia Tracer

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via Essibox

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