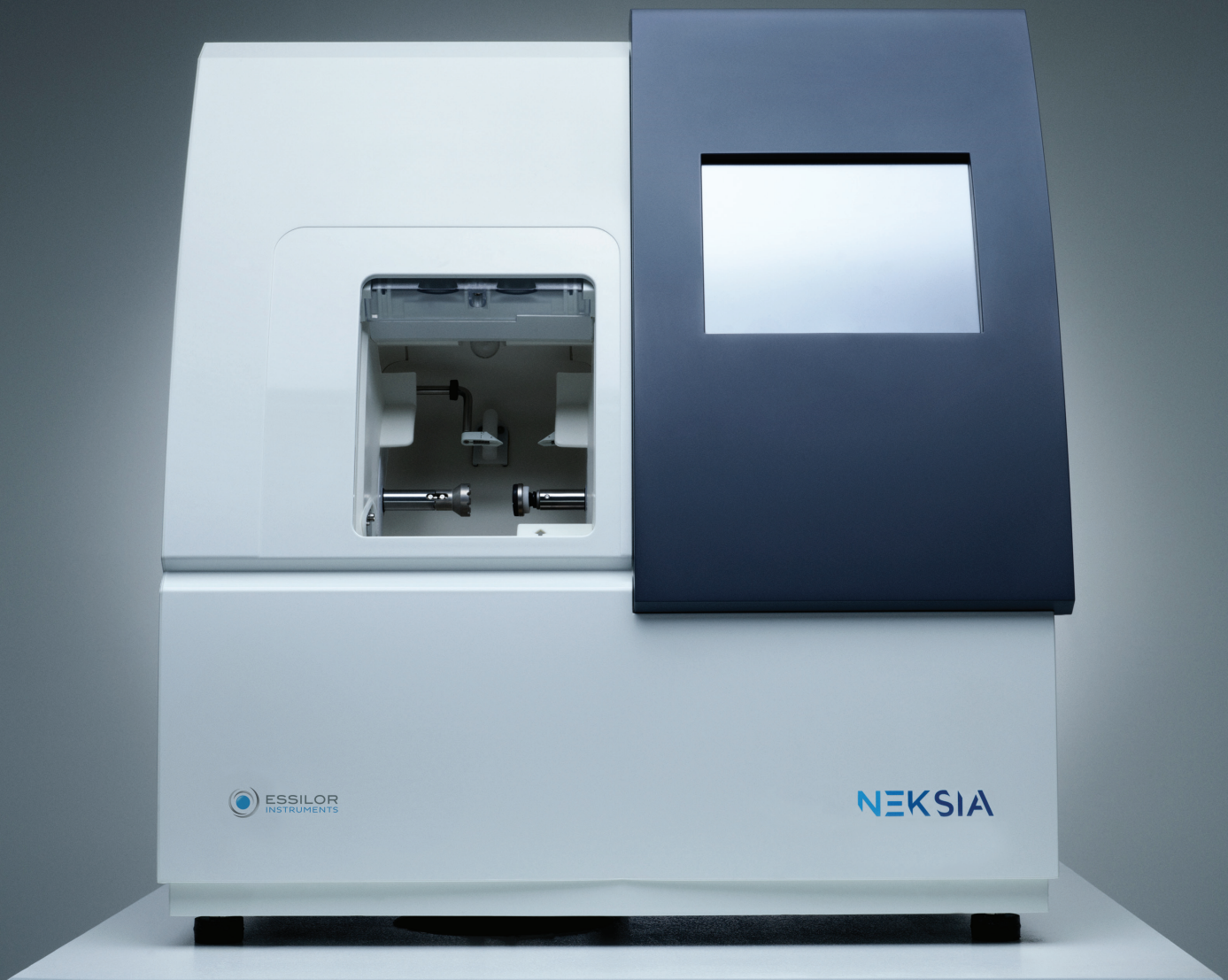
NEKSIA™

Ignite your productivity.



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

ESSILOR
INSTRUMENTS

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.

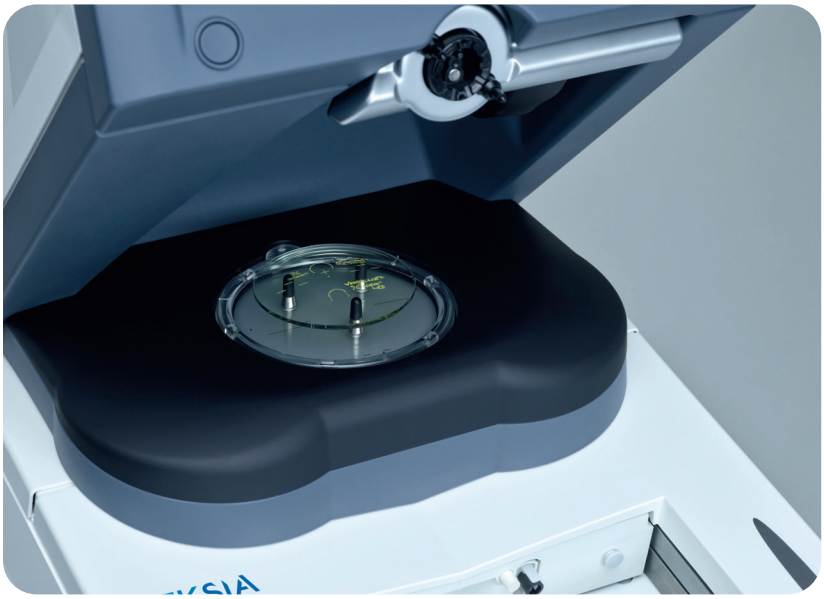
Personalized Interaction

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

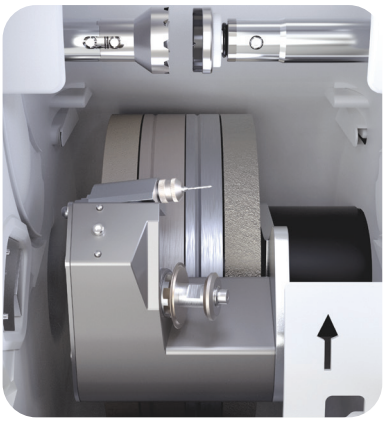
Neksia™'s flexible chamfering wheel adapts its pressure seamlessly to the lens's edge, conforming to its unique shape and curve through its consistent intelligent chambering.

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	Neksia with Neksia Tracer
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.	via Essibox
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, ½ B-dimensions, A-dimension, ½ 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	**TCB**: 10" / 4:3 Touch Screen **Edger**: 8.4" / 4:3 Touch Screen Top right display
Dimensions **Edger** HxWxD (in) and Weight (lbs)	H: 24.4, W: 22.0, D: 16.5 in., 148 lbs.
Dimensions **TCB** (Tracer-centerer-blocker) HxWxD (in) and Weight (lbs)	H: 24.4, W: 11.8, D: 19.7 in., 50 lbs.
Power consumption & Power supply voltage **TCB** (Tracer-centerer-blocker)	250W - 240-110V ~ 60/50 Hz 5-3 A
Power consumption & Power supply voltage **Edger**	1350W – 220-240 V ~ 60/50 Hz 10 A 2000W – 100-120 V ~ 60/50 Hz 15 A

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Made in France. As improvements are made, these specifications are not contractually-binding and may be modified without prior notice. Please read the user manual attentively. Neksia™ is a trademark of Essilor International.

Essilor Instruments USA
8600 W. Catalpa Avenue, Suite 703
Chicago, IL 60656 - USA

855.393.4647
info@essilorinstrumentsusa.com
www.EssilorInstrumentsUSA.com

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