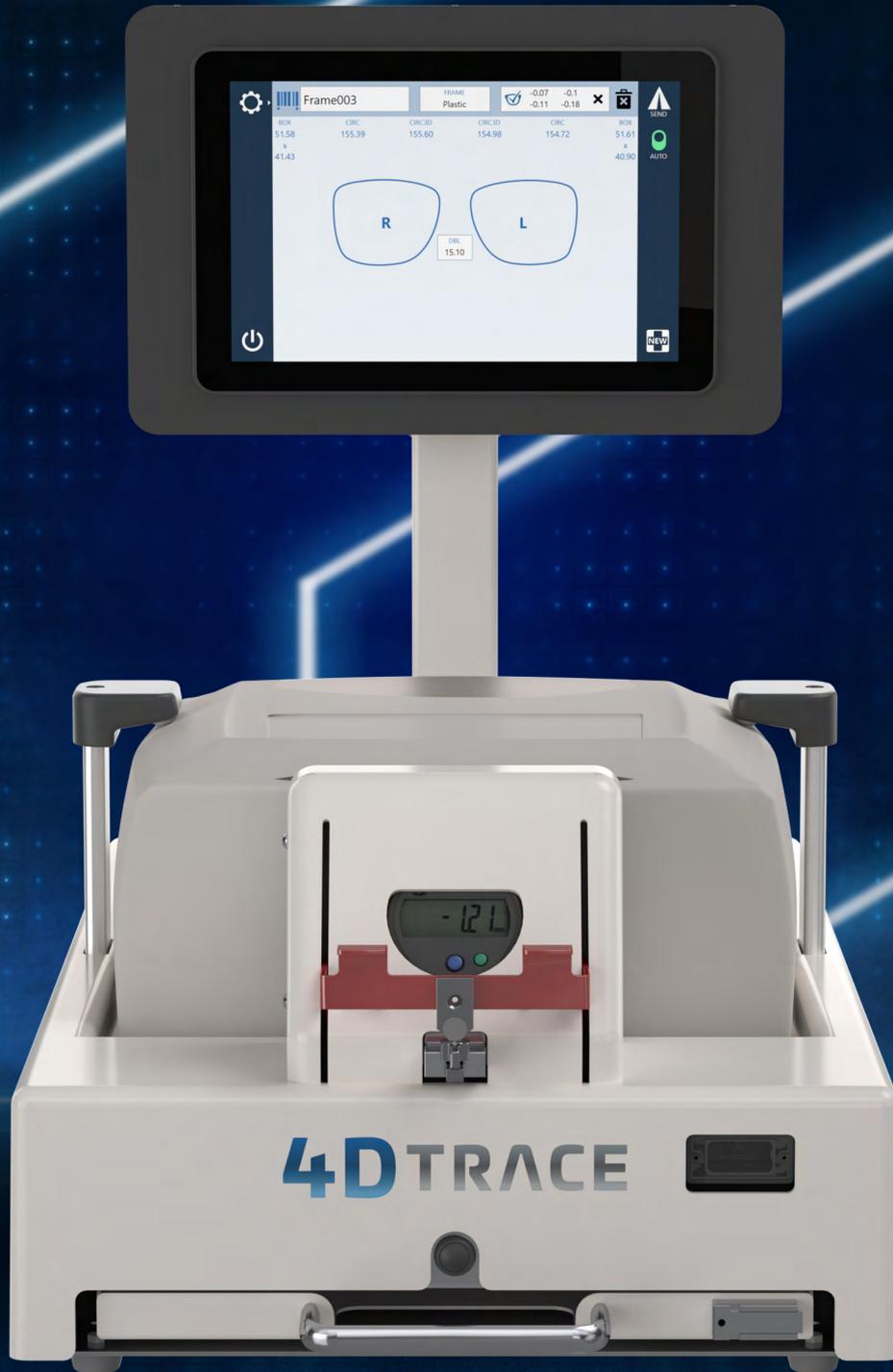


4D Trace



The ALL IN ONE solution ——— 4DTRACE | for the Perfect Fit of your lenses.

The **4D Trace** is the MEI solution capable of considering the variables that may affect the lens fitting into a frame. Let's get rid of sizing issues!

Everyone in the industry deals with fitting issues. These issues result from several factors related to the lens, the frame, the edger, and the tracer.

MEI tried to consider all of them and discovered that the industry largely underestimated the importance of matching lens bevel profile and frame groove.

The way frames are produced implies potential inconsistencies. Current counteraction: either you trace all the frames from the same batch, or you trace a minimum amount (i.e., 10 frames each batch) to archive an average value to improve the final size matching.

Talking about **Frame Material**: each material behaves differently in terms of expansion. Therefore, a different frame material implies different deformation when the lens is mounted.

Also, **Lens Thickness and Curvature** imply a different bevel position. Based on the combination of **Lens shape and Frame profile**, you may have slipperiness of lenses «too small», or tensions at the corners of lenses «too big».

MEI designed the FlawLess Fit device and developed a software that compensates the lens shape according to the measurement, improving the fitting rate enormously.



FIRST FIT RATE



SMOOTH AND EASY MANUAL OPERATION

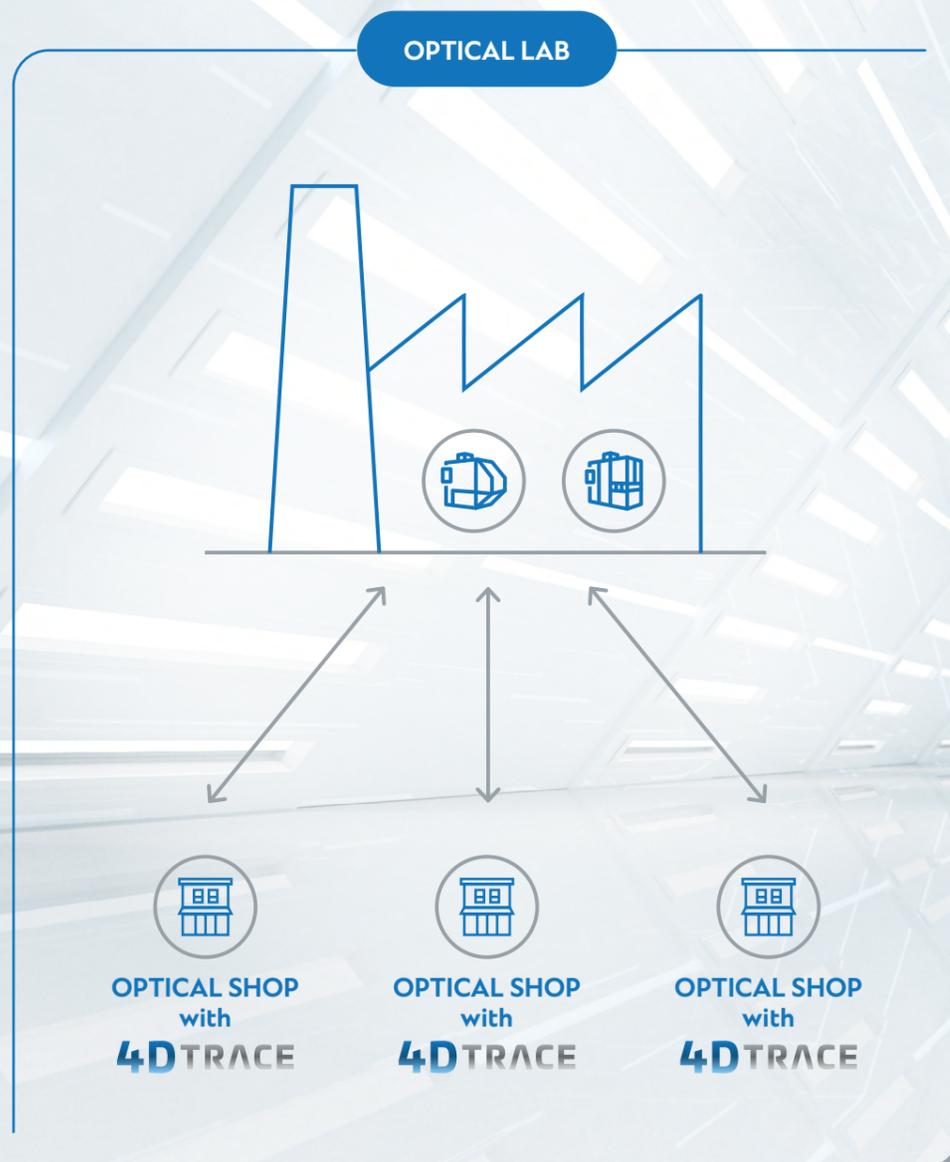


NO IMPACT INTO CYCLE TIME

Ideal scenarios

1 LABS WITH INTEREST INTO REMOTE EDGING BUSINESS MODEL

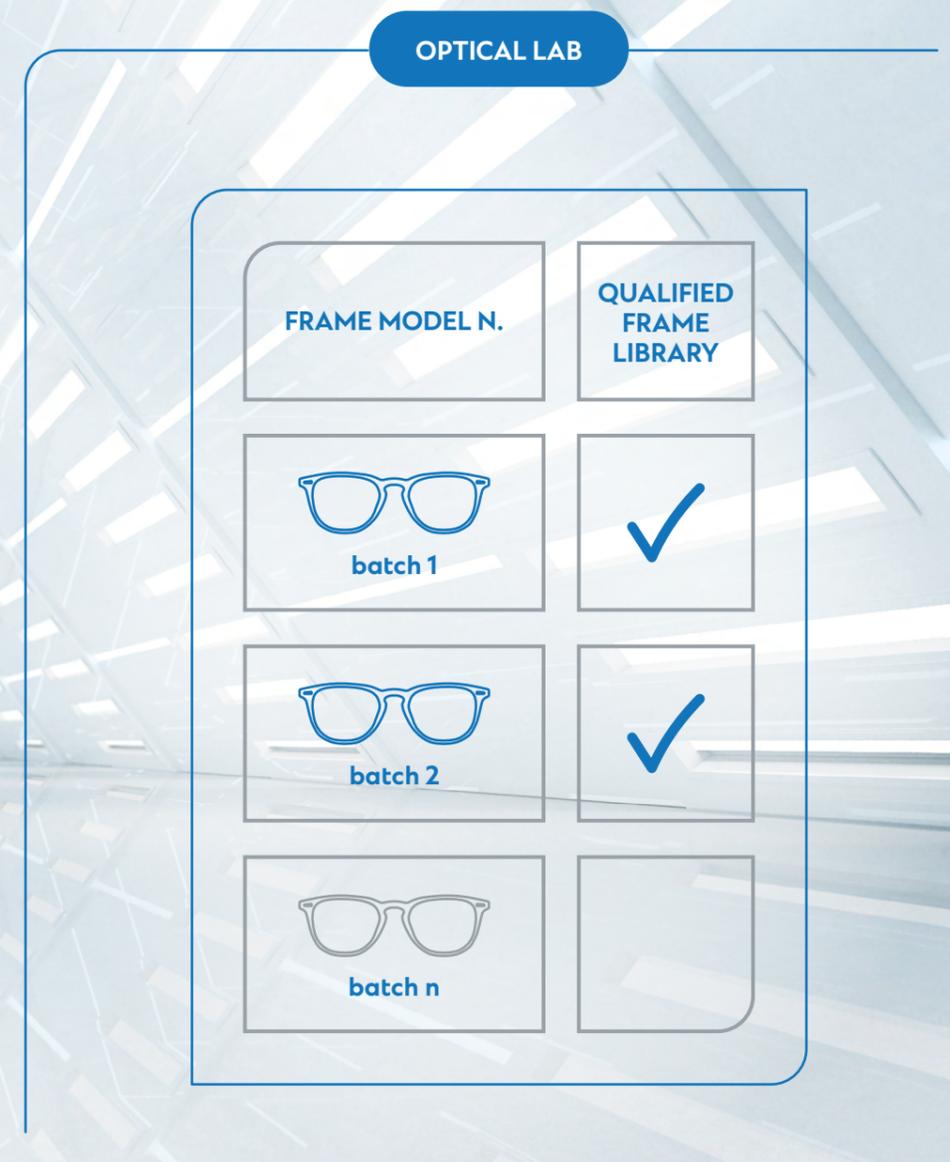
The optical shop with the 4D Trace, through the LMS, delivers tracing data to the optical lab to enable the edging of lenses with the perfect fit.



4D Trace will give more reliable tracing data, to reduce enormously the risk of claims from shop owners.

2 INDUSTRIAL LABS FOR FRAME LIBRARY QUALIFICATION

The lab with the 4D Trace provides the most accurate frame trace data for the qualification of your frame library and ensures perfect edging according to your frame.



4D Trace will enable the archive of reliable First Fit Rate tracing data, reducing the number of tracing and edging test reiterations.

Architecture of the system

4D Trace combines more parts into the same structure:



THE FLAWLESS FIT DEVICE



THE INTEGRATED BARCODE READER



THE SOFTWARE

to combine traced shape and groove depth measure



THE KEYBOARD AND MOUSE



THE MONITOR

to manage the resulting shapes



OPTION

EyeGoal SW is available as possible upgrade. Thanks to EyeGoal, you can create the complete job and any customization on the shape and on the lens surface (logo engraving, pockets, holes...)



THE TRACER

(produced by a third party)

Datasheet

4DTRACE

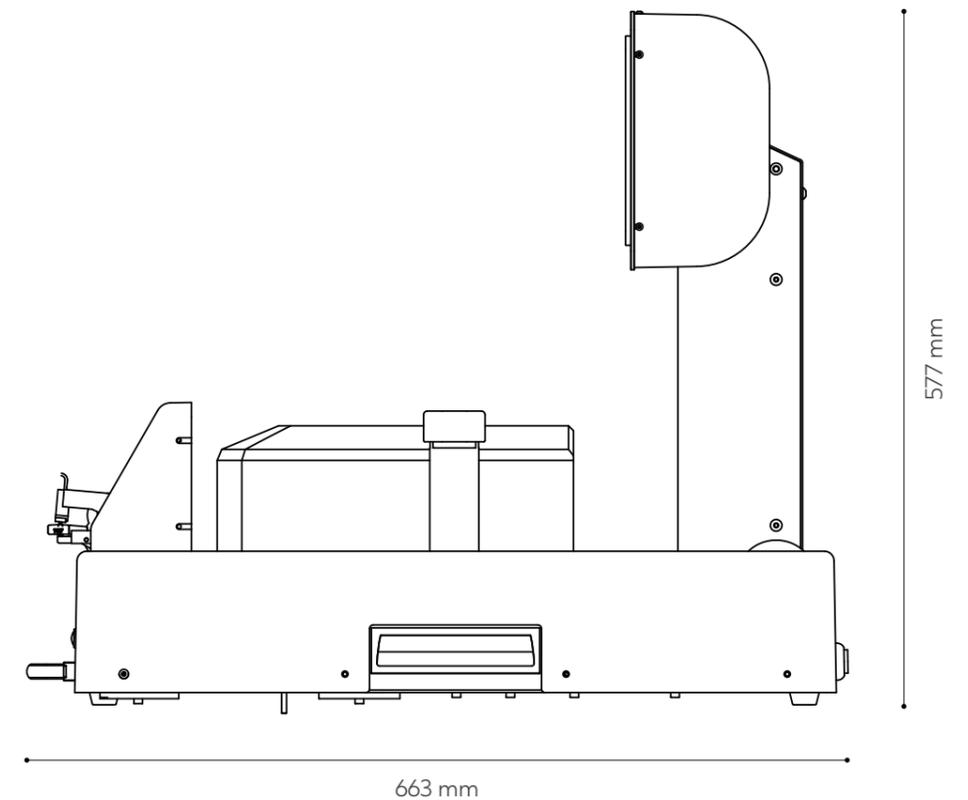
4D Trace Specifications

Dimension and Mass

Width	663 mm
Depth	370 mm
Height	577 mm
Mass	30 Kg

Electrical specifications

Power Supply	90 - 240 VAC
	50-60 Hz
	2A (115VAC)
	1A (230VAC)





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