

Advanced Tracer for Lab

LT-1000

SATELLITE TRACER



Satellite Tracer LT-1000

■ *Advanced Tracer for Lab*

While conventional tracers can only acquire frame data, the LT-1000 Satellite Tracer can create a job with frame and layout data and transmit to a server PC / lens edgers, allowing simpler and more accurate operation for lab processing.

■ *Automatic Dual 3D Tracing with High Precision*

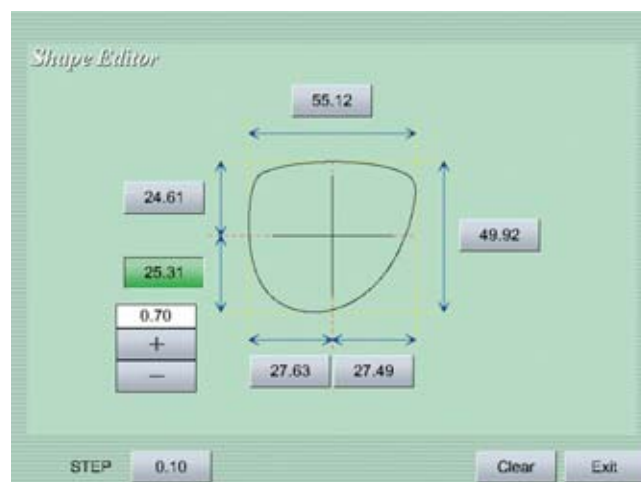
The LT-1000 provides fully automatic, highly precise dual 3D frame tracing, allowing the edger to finish even highly curved frames with great accuracy. Since both sides of lenses are traced with high precision, a perfect fit is possible.

■ *Easy Data Input on LCD Touch Panel*

The LT-1000 offers a large 10.4-inch color LCD touch panel for data input. The data to be entered are the lens type, frame type, grinding mode and lens layout data, which includes FPD, PD, height of optical center, size and AXIS.

■ *Shape Editor*

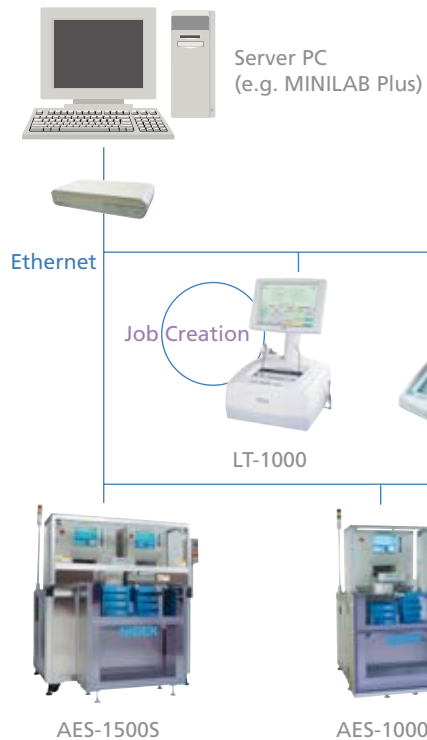
To meet various and individual customer needs, each traced lens shape can be easily and finely modified with the "Shape Editor". Simply select the width / height displayed on the LCD, and change the value using the + / - buttons.



Shape Editor Display



■ Versatile Network



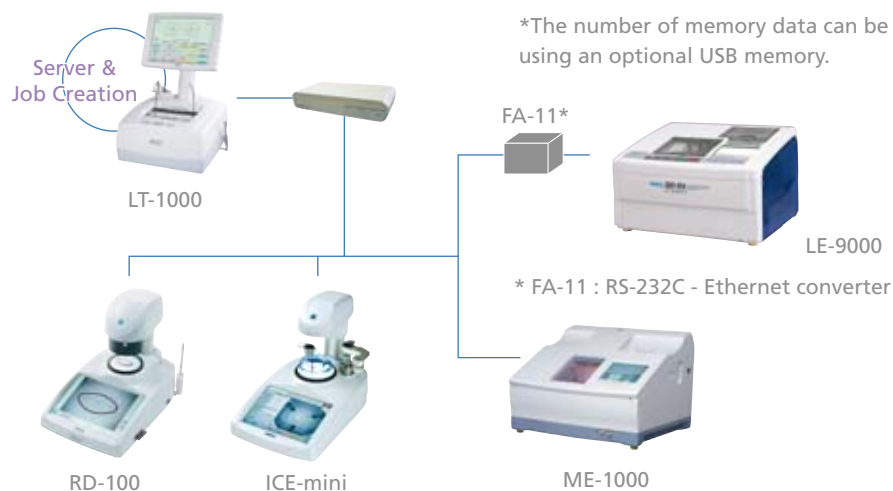
Basic LAB Configuration

(Connecting devices on a local-area network: LAN*)

This setup offers high productivity and fast delivery time of finished lenses.

*If the server uses VCA protocol, the PC and the equipment are connected directly using RS232C.

■ Server Capability



The LT-1000 can work as a server, keeping 1,000 items of job data*. Pattern data can be saved in the RD-100 Rimless Designer.

*The number of memory data can be increased using an optional USB memory.

FA-11*

LE-9000

* FA-11 : RS-232C - Ethernet converter

These configurations are just examples. Please contact NIDEK for further information.

LT-1000 Specifications

Tracing method	3D binocular automatic tracing
Traceable size	Frame R9 - R46 (Radius from measurement center) Vertically up to max. 30 mm from center Pattern R12 - R46 (Radius from measurement center) Vertically up to min. 10 mm from center
Measurement item	Lens shape FPD 3D circumference (2D circumference at pattern and dummy lens tracing) Frame front warping angle Frame curve
Measuring points	1,000 points
Frame clamping	One-touch automatic clamping
Item to be entered	FPD : 30.0 - 99.5 mm PD (or 1/2 PD) : 30.0 - 99.5 mm (15.0 - 49.75 mm) Height of optical center : 0 - ±15.0 mm Size adjustment : 0 - ±9.95 mm AXIS : 0 - 180° Lens material : CR39, Plastic lens with high refractive index, Polycarbonate lens, Acrylic lens, TRIVEX lens, Glass lens Lens type : Single vision, Bifocal, Progressive Frame type : Metal, Celluloid, Nylon, Rimless Grinding mode selection Job code
Interface	2 RS-232C (1 port for barcode scanner) 1 LAN (10BASE-T)
Frame memory	1,000 jobs, 1,000 patterns (The number of memory data can be increased using an optional USB memory.)
Display	10.4-inch color LCD touch panel
Power supply	AC100 - 120 V / 200 - 240 V 50 / 60 Hz
Power consumption	50 VA
Dimensions & weight	310 (W) x 325 (D) x 474 (H) mm / 14 kg 12.2 (W) x 12.8 (D) x 18.66 (H)" / 30.86 lbs.
Standard accessories	Pattern setting unit (x1 set), Power cord (x1), Spare fuse (x2), Interface cable (x1), CompactFlash card (x1), Touch-panel pencil (x1), Standard frame (x1), Standard pattern (x1)
Optional accessories	Barcode scanner, USB memory



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*Specifications and design are subject to change without notice for improvement.



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