

TECHNICAL SPECIFICATIONS

PHYSICAL SPECIFICATIONS

DIMENSIONS

Length: 1058mm
Breadth: 520mm
Height: 533mm
Weight: 65kgs
Shipping weight: 95kgs

POWER SUPPLY

Voltage: AC 110 - 240 V
Frequency: 50 hZ / 60 hZ
Power consumption: 300 W

GENERAL SPECIFICATIONS

Self-check at startup: Yes
Assays per batch: Up to 6 tests
Number of strips: 30 × 8 = 240 micro wells
Sample tube size: 12 mm × 75 mm (5ml)
Reagent bottle: 24 × 20 ml
Controls & Calibrators: 30 × 1.5 ml
Location: 41 to 58 can be used for loading reagents in 5mL test tubes
Sample dilution: In test tubes
Tip capacity: 204 tips

READER SPECIFICATIONS

Dynamic range: 0.0 - 4.0 O.D
Wavelength range: 400 - 800 nm
Filter slots: 405 nm, 450 nm, 492 nm,

630 nm & 3 open positions
Reading mode: Single & Dual
Reading time: 20 sec per strip for single wavelength
Precision: < 1% C.V at 0.5 to 2.0 O.D
Accuracy: ± 1 or 2.5% (0.000 to 3.00) whichever is greater

WASHER SPECIFICATIONS

Manifold configuration: 8 for aspiration & 8 for dispensing
Wash cycle: 1 to 9 (repeatable)
Residual volume: < 6 µL
Wash buffer capacity: 1 × 4L & 2 × 1L
DW Can: 1 X 20L
Low buffer alarm: Yes
Soak time: 20 to 60 sec
Dispense pressure: Pre-set
Rinse function: Yes
Waste Can: 1 × 20L

INCUBATOR SPECIFICATIONS

Temperature range: 37°C or R.T
Temperature accuracy: ± 1°C across plate @37°C
Shaker facility: Yes
Incubator time: Programmable
Time to reach temperature: < 5 min
Temperature monitoring: Yes

PIPETTING SPECIFICATIONS

Dispensing mode: Fixed needle or disposable tips

Sample tips range: 300 µL (5-200 µL)
Reagent tip range: 300 µL (10-200 µL)
Sample tip precision: < 3% CV at any operating volume above 10 µL
< 2% CV at 100 µL
Reagent tip precision: < 1% CV at 100 µL

PROCESS SECURITY

Liquid level sensor: Yes
Level sensor system: Conductive
Clot detection: Yes
Tip detection: Yes
Alarms: Yes

SOFTWARE

Computer included: Desktop PC running Windows-based O.S.
Controlling software: ELAN 30s
Work protocols (assay): Unlimited
Data Processing:
Quantitative & Qualitative
Levey-Jennings: Yes
Westgard rules: Yes
Process reporting:
Event log + error log
Automatic error recovery: Yes
Password access control: Yes

CONSUMABLES

Probe clean solution : XL Wash
Carbonated disposable tips:
Sample tips, Reagent tips



SIMPLE.
COMPACT.
VERSATILE.



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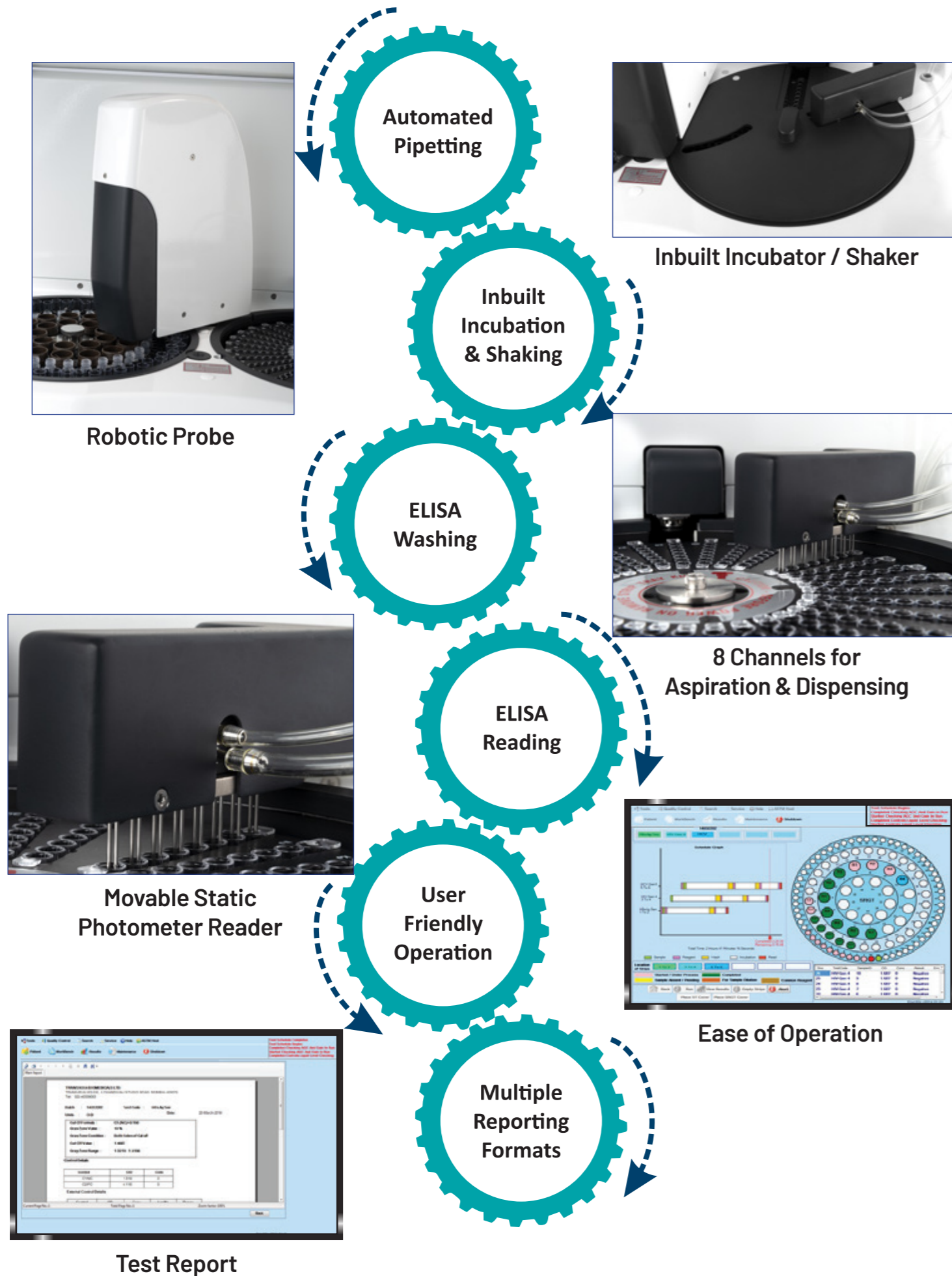


TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS

Version No 1.2

ELAN 30s
FULLY AUTOMATED
ELISA MICROSTRIP PROCESSOR

COMPLETE AUTOMATED SOLUTION FOR ELISA WORKFLOW MANAGEMENT



ELAN 30s

FULLY AUTOMATED ELISA MICROSTRIP PROCESSOR

- Compact bench top model for ELISA work flow management
- Up to six different tests can be performed at the same time
- Auto self-check mode, liquid level detection and dispense monitoring
- Single probe for dispensing of samples and reagents (probe optional)
- Inbuilt ambient temperature enclosed incubator and shaker
- Automated well washing performed at customized volumes and cycles
- Built-in ELISA reader: single and dual wavelength reading option for complete ELISA processing
- 30 x 8 (240) microwell locations - equivalent to 2 ½ ELISA microwell plates
- 8 manifold washer dedicated needles for aspiration and dispensation to avoid cross-contamination
- QC reports - Levey-Jennings chart / CV evolution / OD evolution / Conc. evolution
- 59 sample locations (Sample + Pre-dilute)
- User-friendly software-guided ELISA process
- 24 reagent locations for 20ml - option for loading reagents in test tubes & common reagent position
- 30 Calibrator / Control loading locations
- Bio-hazardous waste disposable unit