TOURMALINE
ENTERPRISES

Elfin 1
HIGH RESOLUTION INKJET PRINTER

HP Inkjet Technology

Printing · Message · Setting · Tool
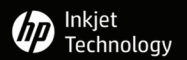

High Quality, High Resolution Printer

Print height up to 12.7mm (0.5") Compact, lightweight unibody design

Touchscreen Editing

5-inch touchscreen color display Easily identifiable editing icons

Cost Effective Printing Solution

Low upfront cost and easy installation

Small Factory Footprint

Easy integration into any production environment

SYSTEM SPECIFICATIONS

Print Technology	HP Thermal Inkjet 2.5 Technology
Dimensions	5.6 in x 2.6 in x 3.9 in H x W x D (142 mm x 65 mm x 98 mm) (Anti-shock plate is not included)
Print Height	Minimum 3/64 in (1 mm) Maximum 1/2 in (12.7 mm)
Number of Print Lines	1, 2, 3, 4 or more lines of high resolution codes
Print Resolution	Vertical 300 dpi Horizontal 300 dpi; superb image and text quality
Maximum Print Speed	198 ft/min (60 m/min) @ 300 dpi (default)
Time & Date	Real-time internal clock
Product Sensor	Built-in optical photoeye
Port Interface	Ethernet, USB 2.0, and RS232
Display	5 in (127 mm) full color touchscreen display
Ink Management	Built-in measuring system for ink consumption
Low Ink Indicator	Alert on touchscreen display; alarm light beacon is optional
Mounting	Bracket set for side printing or down printing; spring mechanism is included
Electrical Requirements	100-240 VAC, 50/60 Hz, 36W (specified AC adapter)
Working Environment	WE -10° -- +45°C; 10%-85% RH
Storage Environment	SE -25° --+55°C; 10%-90% RH
Agency Certifications	CE, FCC

SOFTWARE SPECIFICATIONS

Printing Elements	Alphanumeric Text, Time & Date, Logos, Item Numbering, Shift Codes, Barcodes, and more
Printing Features	Reverse, Invert, Rotate, Repeat
Message Length	Up to 9.8 ft (3 m)
Message Storage	Store up to 500 messages
Ink Usage	Automatically calculated for each message and displayed on touchscreen
Database Capability	Ethernet communication protocol for external communication
Languages	English, Spanish, Portuguese, German, French, Chinese, Japanese, and Russian

INK SOLUTIONS

Ink Types	Water based and solvent based options
Colors	Black, Red, Blue, Yellow, White; others colors available upon request
Volume	42ml ink cartridges or 370ml bulk ink solutions
Printable Materials	Porous, semi-porous, and non-porous surfaces