AFINIA LABEL®
MAKE YOUR OWN LABELS

L801 PRO

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L801 Pro Color Label Printer

Exceptional Print Quality with Low Ink Costs

The L801 Pro combines fast, full-color label printing with a new integrated touchscreen for convenient access to stored jobs, print information, and maintenance features. Powered by Memjet technology, it delivers vibrant images and crisp text while keeping ink costs low.

With 1.25 liters of ink capacity, versatile media compatibility, and improved roller access for maintenance, the L801 Pro is built for efficient in-house label production.

Key Features

- ✓ Integrated touchscreen & job storage
- ✓ Print speeds up to 60 feet/minute
- ✓ Low ink cost per label
- ✓ Print widths up to 8.5 inches (216 mm)
- ✓ Exceptional print quality

Integrated Touchscreen & Job Storage

Convenient access to past jobs, print information, and maintenance features

Versatile Media Options

Print on paper and synthetic label stocks in widths from 2 to 8.5 inches

High-Capacity Inks

Five 250 mL cartridges, 1.25 L total

Stationary Printhead

Enables print speeds at up to 60 ft/min (~18 m/min)

Professional image quality & resolution

Exceptionally crisp images and text with vibrant color and rich blacks

Powered by memjet

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L801 Pro Specifications

Printer:

Print method	Memjet Waterfall Printhead Technology®; 11 integrated circuit chips with 70,400 nozzles
Inks	Dye-based CMYKK; five 250 mL cartridges, including two black cartridges (1.25 L total)
Print resolution	Up to 1600 × 1600 dpi
Print speed	6 in/sec (152 mm/sec) at 1600 × 1600 dpi; 12 in/sec (305 mm/sec) at 1600 × 800 dpi. Maximum speed: 60 ft/min (18 m/min)
Maximum print width	8.5" (216 mm)
Cutter/sheeter	Built-in powered cutter
Operator interface	5" integrated touchscreen with access to stored jobs, print information, and maintenance features
Job storage	Onboard storage for recalling up to 30 print jobs from the touchscreen

Media:

Media/label size	Width: 2"–8.5" (50.8–216 mm); length: 2"–48" (50.8–1220 mm)
Media thickness	0.1–0.3 mm (0.0039"–0.0118"), including liner
Core diameter	3" (76.2 mm) cardboard core
Maximum roll outside diameter	8" (203 mm)

Media sensors	Gap, continuous, and black mark
Die-cut gap	Minimum: 0.125" (3.0 mm); maximum: 0.3" (8.0 mm)
Black mark	3 mm wide × 25.4 mm long, positioned on the left
Substrates	Compatible inkjet-coated paper, polyester, polypropylene, and vinyl label stocks

General:

Interfaces	USB 2.0; Ethernet TCP/IP with manual IP configuration or DHCP; GPIO available for external device control
Operating systems	Windows 10 and 11, 64-bit (x64). ARM/Snapdragon processors are not supported.
1D barcode printing	Code 39: at least Grade B with a 10 mil bar width
2D barcode printing	PDF417: at least Grade B with a 10 mil cell size
Operating environment	15–35°C (59–95°F); 20–80% relative humidity
Overall dimensions — printer only	18.7" W × 23" D × 19.2" H (475 W × 584 D × 488 H mm)
Weight — printer only	83 lb (37.6 kg)
Rated voltage	110–220 V AC, auto-sensing
Warranty	One year
Optional accessories	Powered rewinder for roll-to-roll production

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