

# FL1 PRIME



## About Us

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Edale Limited is a leading British designer and manufacturer of printing and converting machinery. With 75 years' experience in the printing and packaging industry, we are proud of our heritage and our continued investment in R&D to help bring the very latest technology to all our customers.

## Edale FL1 PRIME

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The FL1 PRIME is the latest printing press to be offered by Edale. The FL1 PRIME is a highly productive, cost efficient quality label & packaging printing press.

The FL1 PRIME has been built upon the FL range and Edale's experience in the design, manufacture, and support of quality and innovative printing and converting equipment, used worldwide by our customers.

## Superior Quality

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With the FL1 Prime you get an exceptional high end specification with a wide range of applications.

Our design priority has been to create an affordable printing press, with superior print quality that is quick to set-up, generating minimal waste.

Our leading technology will help future proof your press and provide you with Eco print solutions.

## Benefits

- Highest specification with a wide range of applications
- Cost efficient
- Easy to run, simple ease of operation
- Open access design
- Consistent superior print quality
- Proven FL print head technology
- Upgradeable

Eco print solutions with LED curing could save you an energy cost of 80%, compared to a conventional UV system, and reduce your print waste.

Edale aftercare - we provide a fully comprehensive customer-focussed support program ensuring that your Edale press runs as it should, when it should.

**To find out more or to book a visit please  
contact: [sales@edale.com](mailto:sales@edale.com)  
or call: +44 (0) 1489 569230**

## Key Features

- UNiPRINT - ensuring optimum print geometry whatever the repeat size
- Motorised cross-registration
- Modular and upgradeable - future proofing your investment
- On The Fly technology
- Short web path - keeping waste to a minimum
- Full servo-driven/no line shaft
- Pre register & auto register - reducing set up time & waste
- Unlimited job storage - saving time on set up

### OPTIONAL:

- EZ REG - cost-effective closed-loop camera-based autonomous register system
- EZ DIE - allows change of the full magnetic die cylinder in just 60 seconds
- ECO LED Curing - save up to 80% of your energy bill
- Film/label pack options available

# GENERAL TECHNICAL SPECIFICATION

Substrate width flexo:	350mm   13.8"
Printing width flexo:	340mm   13.4"
Repeat length flexo:	8 - 24" (203.2 - 609.6mm) 1/8" increments
Repeat length standard rotary die cutting:	8 - 24" (203.2 - 660.4mm) 1/8" increments
Repeat length EZ Die:	10 - 24" (254.0 - 609.6mm) 1/8" increments
Mechanical speed flexo: <i>NB: Actual run speeds are subject to application, performance of substrate, inks and consumables.</i>	5-200 m/min
Substrate thickness: <i>NB: Thin and heat sensitive substrate require specification of chill rolls and soft rewind tension control</i>	12 - 350 microns 0.5 - 14 pt
Tension range:	10 - 500N
Print register - Maximum deviation colour to colour for print stations in sequence:	+/-0.1m
Print register - mode deviation colour to colour for print stations in sequence: <i>NB: Accuracy subject to the size of good quality materials and automatic register system at a steady speed.</i>	+/-0.05mm
Max roll capacity unwind/rewind	1000mm   40"
Max roll capacity waste matrix	800mm   31"
Standard unwind/rewind core diameters:	76mm   3"

# GENERAL TECHNICAL SPECIFICATION

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Web path between prints UV:	1.5M   60"
Web path between print-water based:	2.5M   100"
Recommended plate thickness:	1.14mm   45 thou
Recommended tape thickness: <i>NB: Other plate and tape combination available on request</i>	0.51mm   20 thou
Electrical Supply:	400V -6%/+10% 3 phase + N + E
Air Supply:	5.5 bar
Voltage & frequency stability:	+/-10%
<i>NB: in regions with unstable power supply it is highly recommended to install a voltage stabiliser.</i>	
<i>NB: If press is to be powered by a generator then the warranty will be void unless protected by a voltage stabiliser.</i>	
Typical current demand for an 8 colour ARC UV:	134 Amps
Typical current demand for an 8 colour ECO LED:	63 Amps
<i>NB: Electrics and air loading is subject to configuration and Edale MUST be consulted for confirmation of actual loading.</i>	
Recommended press room temperature:	Max 25c
Thermal fluctuation:	Max +/-5C
Relative humidity:	25% / 60%

**The FL1 PRIME has  
a range of advanced features  
& solutions for superior quality  
flexo printing**

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**UNIPRINT**

**EZ REG**

**ON THE FLY**

**PRE-REGISTER**

**SHAFTLESS**

**GEARLESS IMPRESSION**

**MACHINE CONTROL CENTER**

