FUJIFILM

Luxel V-8

Flexible, cost-effective high quality
B1 violet platesetter.

lo-chem
SETTING NEW STANDARDS

Quality, productivity and reliability

Violet platesetters from Fujifilm have an established track record for reliability, quality, productivity and low cost of ownership, coupled with a wide range of flexible automation options to suit prepress production requirements on any scale. Used in conjunction with Fujifilm Brillia HD violet plates, they not only offer extended run lengths and UV ink capability, but now also offer a low-chemistry option for a more cost-effective and environmentally-friendly way of working.

The Luxel V-8 offers a wide range of automation, quality and productivity options, including affordable manual and semi-automatic models as well as fully automatic configurations with single or multi-cassette autoloaders and online processors. For the highest quality, there is also an HD (high definition) option for 1-99% dots at 200 lpi and improved FM screening,* while for maximum productivity there is the HS (high speed) model which can output 70 plates per hour at 1200 dpi.

*when used with Brillia HD LP-NV2 or Brillia HD PRO-V plates

Low cost of ownership

Fujifilm's violet platesetters use highly reliable laser diodes that have an imaging life expectancy of 5,000 hours, which is equivalent to five years' typical use. They come with all the advantages of Fujifilm violet laser replacement, maintenance and warranty options so you don't have to budget for unforeseen expenditure or interruption to production. The twin-laser models also provide redundancy, continuing to operate on one laser if the other fails.

Performance

The Luxel V-8 lets you choose the level of output productivity to match your needs. The standard V-8 in single laser configuration is capable of 20 plates per hour at 2400 dpi (35 plates per hour at 1200 dpi), with field upgrade options to increase this to 38 (55 at 1200 dpi) in dual-laser configuration, while the V-8 HS offers a maximum throughput of 50 plates per hour at 2400 dpi (70 at 1200 dpi).

Fine-tuning of the violet laser beam profile gives the Luxel V-8 its outstanding hard dot characteristic for ultimate quality imaging (right). Precision engineering and alignment of the laser optics is the other half of the story (below).
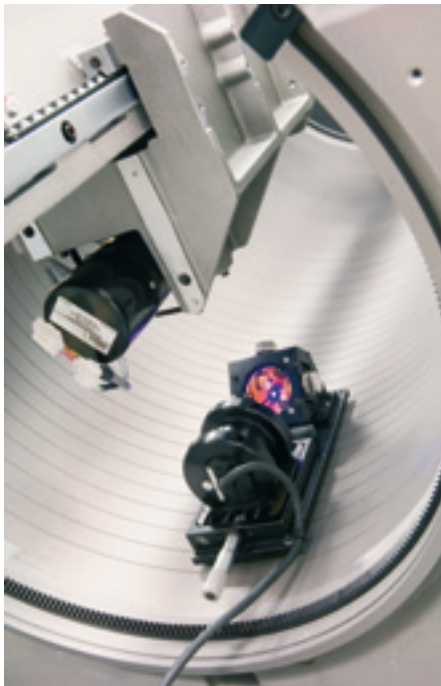
Automation

Again, the V-8 adapts to your needs. Starting with a manual model you can add an online processor and a choice of single or multiple input cassettes for automatic feeding and full daylight working, with up to 60 x 0.3mm plates per cassette. There are also industry standard or custom punch options for producing completely press-ready plates.

Low-chemistry CTP

As well as producing outstanding results with Fujifilm Brillia processed plates, Luxel V-8 platesetters are all compatible with Brillia HD PRO-V, Fujifilm's low-chemistry violet plate. The combination of the Luxel V-8 HD and Brillia HD PRO-V results in the best low-chemistry CTP solution on the market,

with no compromise in either quality or productivity, able to print 1–99% at 200 lpi (and FM compatible), at run lengths of up to 200,000 impressions and capable of working with UV inks without baking.

Superior screening technologies

To enhance the image quality delivered by the Luxel V-8, Fujifilm offers two advanced screening technologies: Co-Res AM screening and TAFFETA FM screening. Fujifilm Co-Res Screening enables printing at high screen rulings using low platesetter output resolutions, while Fujifilm TAFFETA second-generation FM screening offers all the benefits of FM while reducing the unevenness and graininess of other FM screening technologies.

Specifications

	V-8 manual and semi-automatic	V-8 SAL (single cassette autoloader)	V-8 MAL (multi cassette autoloader)	V-8 HS (High Speed)
Imaging	Patented violet laser technology/ high speed spinner control/ laser @ 405 nm			
Media supply	Single plate feed, no interleaf removal	Fully automatic auto cassette identification and interleaf removal	Fully automatic, up to 5 cassettes online up to 300 0.3 plates, auto cassette identification and interleaf removal	Fully automatic, up to 5 cassettes online up to 300 0.3 plates, auto cassette identification and interleaf removal.
Media type	Fujifilm Brillia LP-NV, HD LP-NV2 and HD PRO-V (violet-sensitive photopolymer aluminium plates)			
Plate thickness	0.15, 0.20, 0.24, 0.30 mm			
Maximum / minimum plate size – with punch	[0.15 mm plate] max 600 x 500 mm, min 500 x 400 mm [0.20 mm plate] max 1050 x 800 mm, min 500 x 400 mm [0.24 mm plate] max 1160 x 960 mm, min 500 x 400 mm [0.30 mm plate] max 1160 x 960 mm, min 500 x 400 mm			
Maximum / minimum plate size – landscape, without punch	[0.15 mm plate] max 600 x 500 mm, min 500 x 400 mm [0.20 mm plate] max 1050 x 800 mm, min 500 x 400 mm [0.24 mm plate] max 1162 x 960 mm, min 500 x 400 mm [0.30 mm plate] max 1162 x 960 mm, min 500 x 400 mm			
Maximum / minimum plate size – portrait, without punch	[0.15 mm plate] max 600 x 600 mm, min 450 x 500 mm (V-8 HS 300 x 400 min) Small plate option: 300 x 400 mm [0.20 mm plate] max 800 x 940 mm, min 450 x 500 mm (V-8 HS 300 x 400 min) Small plate option: 300 x 400 mm [0.24 mm plate] max 940 x 940 mm, min 450 x 500 mm [0.30 mm plate] max 940 x 940 mm, min 450 x 500 mm			
Maximum/minimum image area	Without punch, maximum/minimum plate size With punch: max/min plate size -4 mm horizontal, -25 mm vertical			
Productivity (plates per hour), single laser	With punch: 33 pph @ 1200 dpi, 19 pph @ 2400 dpi Without punch: 35 pph @ 1200 dpi, 20 pph @ 2400 dpi Single to dual laser upgrade available			n/a
Productivity (plates per hour), dual laser	With punch: 50 pph @ 1200 dpi, 34 pph @ 2400 dpi Without punch: 55 pph @ 1200 dpi, 38 pph @ 2400 dpi			With punch: 60 pph @ 1200 dpi, 42 pph @ 2400 dpi Without punch: 70 pph @ 1200 dpi, 50 pph @ 2400 dpi
User interface	Icon-driven, intuitive MMI (Man-Machine Interface)			
Recorder interface	Ultra-wide SCSI			
Punching options	Industry standard or custom internal punch			
Resolution options	1200, 1219, 1270 (excluding manual and semi) 1800, 1828 (not HS), 2400, 2438 (not HS), 2540, 3600 (not HS), 3657 (not HS) dpi supplied with engine. High Definition (HD) option (not HS).			
Screening options	Fujifilm TAFFETA FM Screening (not HS), Co-Res Screening			
Connectivity	Fujifilm XMF Workflow			
Environment	Equipment: operating range: temperature 18-29 °C, humidity 20 - 70% non-condensing Media: for optimum operating range, please refer to the manufacturer's technical data			
Power requirements	230 + 10% -6% VAC 50/60 Hz single phase 10A			
Weight (including processor)**	Manual 1090 kg (no processor) Semi-auto 1752 kg	2410 kg	3027 kg	3027 kg
Footprint (maximum, including media loading, processor and stacker access)	Manual: 5070 x 2040 mm Semi-auto: 7450 x 2040 mm	9375 x 2050 mm*	7290 x 4050 mm	7290 x 4050 mm

*A further 1000 mm on the shorter axis is required for user access to engine. ** Weights and dimensions will vary depending on processor model

Please contact your local Fujifilm partner or visit www.powertosucceed.eu/contacts

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