

Luxel V-9600 CTP and Vx-9600 CTP

B1 8 page Violet CTP



Image Output CTP

Faster to keep you ahead



Manual

Semi-Automatic



The Luxel V-Series is an extremely productive, high quality solution...

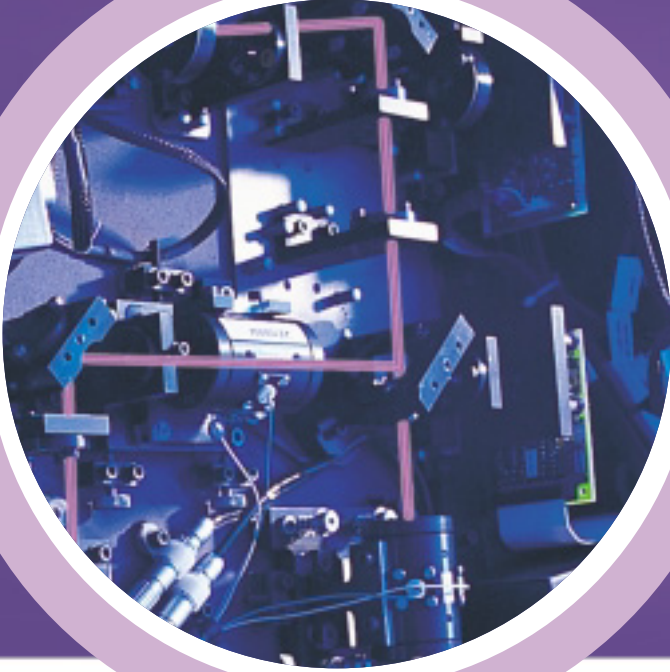
The Fujifilm Luxel V-Series range of Violet platesetters is transforming today's pre-press industry and has been built on Fujifilm's wealth of experience with internal drum imaging. The Luxel F-9000 – the world's fastest B1 imagesetter and winner of the Queens Award for Enterprise, Innovation 2002 – was the first Fujifilm product to use an aluminium internal drum, which isolates it from error-inducing vibrations.

The Luxel V-Series range of B1 8 page platesetters use a similar drum system with a polished surface to which the plates are held under vacuum. The imaging laser beams reach the plate via a patented optical system developed by Fujifilm. A spinning mirror mounted on a precision engineered carriage places the image dots with an accuracy measured in micrometres. Because the mirror spins at 40,000 rpm for all but the lowest resolutions, Fujifilm engineers have contoured its surface to compensate for the minute distortion that occurs at such high speeds. A benefit of this contouring is a reduction in its susceptibility to contamination from dust and particles.

The Luxel V-Series is an extremely productive, high quality solution that compliments your existing technology. Designed and optimised for Fujifilm Brillia LP-NV photopolymer plates, Luxel V-Series is more efficient and cost-effective than silver halide devices and its waste is easier to recycle or dispose of. It's a rare case of environmental consideration with no cost penalty.

Offering the highest standards in productivity and image quality, the Luxel V-Series is designed and manufactured by Fujifilm using leading edge design and engineering techniques offering the latest in imaging and plate handling technology. This means that you can have confidence that your purchase is a long-term investment and will remain competitive in years to come.

The Luxel V-9600 CTP and Vx-9600 CTP take full advantage of the latest Violet diode technology. Combined with Fujifilm's multi-laser technology this means that the Luxel V-Series delivers the highest productivity in its class but also offers extremely low cost of ownership and service when compared to thermal CTP devices.



Fujifilm's laser pen boasts a life of over 5000 imaging hours – that's five years of typical use – giving large cost savings compared with multiple laser arrays used in thermal devices

The Violet plate

A Luxel Violet platesetter is just part of the CTP equation. Fujifilm has a wealth of expertise in the field of reprographics that encompasses all the consumables and workflow systems needed to provide a complete turnkey solution.

Choosing the right RIP and Workflow to manage incoming files is as important as the machine itself, as is the choice of plates and chemistry. To complement its Violet platesetters, Fujifilm's Brillia LP-NV photopolymer plates provide consistent press performance on run lengths of up to 200,000 impressions or 1 million when baked. The plate has a developer with improved resistance to pressroom chemistry, increasing developer life and reducing sludge. The plate is rated for 2 – 98 per cent at up to 200lpi.

Fujifilm provides a totally integrated system to ensure that your new CTP system works the way you want it to from day one.

Service, Training and Support

At each stage of Fujifilm's history, its creative efforts have been geared to innovate so as to meet both the immediate and future demands of its customers. This approach has kept Fujifilm at the leading edge of all its areas of expertise for the past seven decades.

When you buy into Fujifilm you become a member of a global family. You benefit from the investment that Fujifilm puts into worldwide customer support. The Fujifilm infrastructure ensures that your business is always productive, always efficient and most importantly, always producing a return on your investment.

Fujifilm is dedicated to providing you with the peace of mind you need to concentrate on your own business. Fujifilm's global network of local engineers are intensively trained to the highest standards at our dedicated teaching facilities.

By choosing Fujifilm you're ensuring that you will always be competitive, at the cutting edge of the industry and always supported as part of a global imaging family.

Violet – The future of CTP

Violet technology has gone from strength to strength with more platesetters now using the low cost, low power diodes than ever before. Newspaper and B2 markets in particular are dominated with Violet laser devices due to their leading productivity, low cost of ownership and high quality.

So where is the future now for Violet diodes, and how will they impact the CTP market?

Violet diode lasers are being constantly driven by the demand of the consumer DVD market. Ever growing DVD writer sales are pushing for yet higher powered lasers to enable more data to be burnt to media, whilst still maintaining low costs. Dramatic announcements in the development path for Violet diodes are now clear and as the 5mw diodes moved to 30mw, we are now seeing 60mw and 100mw with 200mw expected in the next few years.

Future benefits are clear, productivity, quality and cost improvements coupled with likely increases in laser life. Productivity improvements are possible due to the sensitivity of Violet plates, only small increases in power are required for greater imaging speed. As power increases so does the potential to create sharper dots. Costs of lasers have begun to reduce in comparative terms, and laser life has increased. As the laser powers increase, the opportunity for process-less and other new technologies become a more realistic option for the future.

Violet technology has come a long way in the last 5 years and this is expected to continue with even more pace over the next few years.



Single or Five Cassette
Fully Automatic

Product Features

Speed and Productivity

- Produces up to 43 B1 8 page plates per hour (at 1200dpi)
- Single or five cassette automatic configurations
- Maximum plate: 1160 x 960mm (V-9600 CTP)
1162 x 960mm (Vx-9600 CTP)
- Internal punch option (Luxel V-9600 CTP)

Quality

- Internal drum for image accuracy, repeatability and registration
- Fujifilm manufactured laser pen for optimum optics performance
- High resolution output up to 3657dpi & line screens up to 200lpi
- AM, FM and Co-Res SCREENING

Low Cost of Ownership

- High quality, extremely productive B1 Violet CTP system
- Violet optics, imaging life of 5000 hours (4 years typical usage)
- All of the advantages of Fujifilm Violet laser replacement, maintenance and warranty costs

Modular / Flexible

- Fully upgradeable from manual through to fully automatic configuration
- Built in redundancy on dual laser models should one laser fails
- Second laser upgrade can be performed on-site to nearly double productivity
- Handles a variety of plate sizes & plates gauges 0.15mm, 0.2mm, 0.24mm and 0.3mm

The Range

Vx-9600 CTP Manual

- Off-line punching
- Extra large imaging area
1160 x 957mm
- Manual plate feed
- Manual plate removal

Vx-9600 CTP Semi-Automatic

- Off-line punching
- Extra large imaging area
1160 x 957mm
- Manual plate feed
- Automatic processing

Vx-9600 CTP Fully Automatic

- Single or five cassette automatic configuration
- Off-line punching
- Extra large imaging area
1160 x 957mm
- Automatic plate loading
- Up to 300 plates on-line
- Automatic cassette identification
- Automatic interleaf removal
- Automatic plate processing

V-9600 CTP Fully Automatic

- Single or five cassette automatic configuration
- Internal punch option
- Maximum imaging area
1158 x 934mm
- Automatic plate loading
- Up to 300 plates on-line
- Automatic cassette identification
- Automatic interleaf removal
- Automatic processing



Luxel V-9600 CTP
incorporating internal punch

Violet CTP visibly better



The press is your most expensive asset and keeping it waiting for plates means lost income. In their dual laser configurations, Luxel Violet platesetters offer world-beating performance, reducing the per-plate cost of ownership and getting plates onto the press faster, minimising idle time. When you can expose four B1 8 page plates in just five-and-a-half minutes (dual laser configuration running at 1219dpi), your presses aren't going to be kept waiting.



A platesetter to meet your needs and budget

You might not need such high levels of throughput to start with, but the good news is you can still buy into Fujifilm Luxel Violet performance, reliability and quality now with a single-laser version.

In single laser mode, the Luxel V-Series offers a competitive 19 B1 plates per hour at 2400dpi, ideal for those converting from film-based production or starting up with CTP. When you need more throughput, instead of repeating the entire platesetter research, testing, purchase and installation process, you just add a second laser to nearly double productivity – up to 32 B1 plates an hour at 2400dpi. Switch it back on and everything is the same – except the throughput.

The largest format size

Luxel V-Series B1 devices have a choice of two format options. The Luxel V-9600 CTP offers one of the largest available B1 8 page imaging formats in a machine with an internal punch, at 1158 x 934mm. The punch prepares plates for a wide variety of commercial B1 and B2 presses, with custom punch options also available.

For Web presses, where imaging very close to the edge of the plate is required, the Luxel Vx-9600 CTP can image to within 2mm of the lead edge, on a maximum plate size of 1162 x 960mm, effective image area of 1160 x 957mm. This unit is designed for use with offline punching, to allow the greatest flexibility in producing plates for the widest range of presses. An automated, three-point registration system is used to ensure accurate positioning of plates.

Ease of use

The two main areas of operator intervention are made clear and efficient in the Luxel Violet range. Firstly, getting plates into the fully automatic versions of the system is made effortless by a special tilting cassette trolley. Once loaded, the cassette is daylight-safe and can be stored for later use or, at a convenient point, can be loaded into the plate feeder. A gentle push is all that is required to put another 60 plates on-line.

For manual loading (manual and semi-automatic versions), the innovative, ergonomically designed front loading system allows any size of plate compatible with the platesetter to be loaded in less than five seconds. This minimises the units' footprint but does not in any way compromise their productivity – provided you can feed the plates fast enough.

The second area that makes digital plate making simple with the Luxel Violet platesetters is the user control panel. A clear, intuitive display gives easy access to all main functions. The touch-sensitive backlit screen is icon-based, making it language independent and uses simple animations to keep the user continuously informed of progress and status.



Luxel Violet range's control panel is remarkably intuitive and easy to use, yet it allows access to every function. Current status is clearly indicated and plate availability, imaging time, jobs queued and a wealth of other useful information can be accessed instantly from the touch-screen.



Plate handling to match

Keeping such productive imaging engines supplied with plates is essential to meet their throughput potential. With the Luxel Violet platesetter range, Fujifilm covers all the options, from easy manual loading to fully automatic plate handling, with up to 300 plates online.

Single Cassette Automatic Configuration - Uses uniquely identifiable cassettes that can be held offline, housing different sized plates, ready to load via a wheeled trolley as and when your production dictates. It provides affordable automation with up to 120 plate capacity. The cassette fits into the light-tight slot and automatically releases plates when called by the engine. The plate passes through the Plate Transfer Module (PTM) where the interleaf is removed and the plate moves into the engine.

Five Cassette Automatic Configuration - Supports up to 300 plates in a database-driven cassette loader. Different sizes of plate can be loaded in each cassette and intelligent software keeps track of what's where and loads the correct cassette for each job, making it possible to leave the unit running unattended overnight.

Manual and Semi-Automatic Configurations - Feature a front loading plate input design and may be upgraded on site from manual to semi-automatic and fully automatic, allowing plate-handling capabilities to keep pace with their productivity. In manual mode, plates are lifted from the manual load shelf into the engine, the plates are then taken from the engine and passed through an offline processor. Should you choose the semi-automatic version, your plates are automatically fed to the dedicated processor for even quicker delivery of plates to press.

RIP and Workflow

Fujifilm offer a range of RIP and Workflow solutions that can be scaled to meet your needs in terms of functionality and platform performance. Third party workflows can also be used to provide data to the Luxel V-Series. This is achieved by providing 1 bit TIFF files from the workflow which can be fed into a Fujifilm Celebrant Gateway which spools the file to the platesetter.



Celebrant Suite

Fujifilm's Celebrant Suite provides a modular product which can be configured to provide a range of solutions from a simple print spooler to a full prepress production system.



Celebrant Extreme - A production system for managing the output of imposed pages to proof, film and plate. Streamlines the production process by providing Documents Preparation (Primer), automatic imposition and integrated Adobe RIP with trapping. The ability to configure processing across multiple platforms is also enabled.



Celebrant RIP - Fujifilm's advanced raster image processor providing Job Ticket driven workflow, Adobe CPSI RIP with integrated viewer and archiver. A range of options are available to allow custom configuration.



Celebrant Gateway - Allows 3rd party workflows to include Fujifilm imagesetters and platesetters within their workflow. Options for imposition and proofing can allow the creation of a 1 bit TIFF automated workflow.



Celebrant Primer - Provides a complete Document Preparation station. Workflow includes an Adobe Normaliser, for conversion of PostScript to PDF, Enfocus Action List to automatically edit PDF, Font Embedding, Colour Management, Trapping and Preflighting using Enfocus Pitstop Libraries.

Benefit from the Violet advantage

Low Cost of Ownership

Fujifilm's laser pen boasts a life of over 5000 imaging hours – that's five years of typical use – giving large cost savings compared with multiple laser arrays used in thermal devices. These savings are not only on initial purchase prices, but long-term servicing, laser replacement and daily running costs are dramatically reduced too.

A guiding principle in the design of the Luxel V-series is simplicity. Our manufacturing standards are the highest to ensure that Luxel Violet platesetters keep working reliably and predictably, plate after plate. By designing down the number of parts, system stability is enhanced.

Fujifilm's commitment to providing world class CTP is proven by the Luxel V-Series – it delivers unquestionable quality and reliability, market leading productivity and outstanding value for money over the life of the system.

Higher quality, easier to print

The Luxel V-Series offers a range of 8 imaging resolutions as standard: 1200, 1219, 1270, 1800, 1828, 2400, 2438, 2540 and 3657dpi.

Unlike other machines that image at one resolution this means that lower ruling jobs can be handled

Fujifilm has a long history of providing high quality screening for its imagesetters and platesetters. Unlike flatbed technologies, Fujifilm's internal drum architecture enables a wide range of dot shapes and screen angles using both revolutionary AM and new generation FM screening. Our range of products allows you to choose the most suitable screen on a job by job basis.

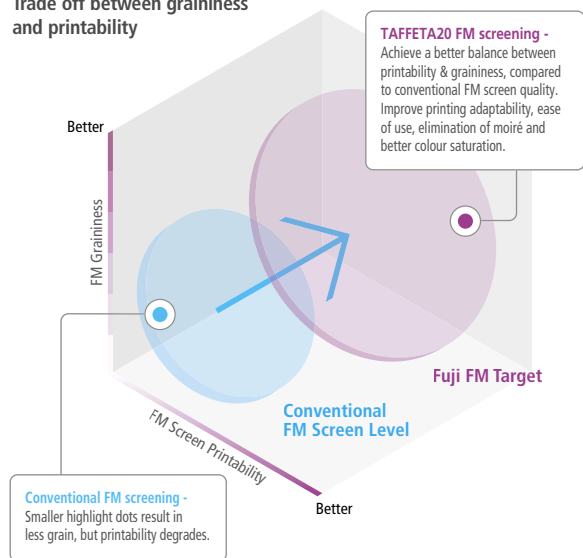
Co-Res SCREENING

The ultimate in AM screening technology, delivering balance between printing ease and high resolution plus higher productivity.

Co-Res SCREENING (Common Resolution Screening) is a screen product that enables the output of high screen rulings using low output resolutions. When used with the Luxel V-series range, at 1200dpi, it offers quality of 175lpi printing equivalent to 2400dpi output, which results in boosting productivity of Luxel V/Vx-9600 CTP from 32 plates per hour (B1) to 42 plates per hour.

- Superior image depth due to improved density range
- Smoother fleshtones, tints and gradations
- Superior highlight tone reproduction
- Ability to run higher ink density settings

THE AIM OF FUJIFILM TAFFETA20 Trade off between graininess and printability



TAFETA20

New generation FM screening technology adds value with the complete elimination of moiré, and better colour saturation. TAFETA20 FM screening goes further than ordinary FM screening by reducing unevenness and graininess and also improved printing adaptability.

- Moiré and rosette are completely eliminated
- Improved saturation
- Improved image detail reproduction
- Supports 5+ colours, multi-colour printing
- Reduces waste
- Improved texture

Specifications

Luxel V-9600 CTP			
Plate Thickness/Gauge	0.15mm/0.006"	0.2mm/0.008" - 0.24mm/0.010"	0.3mm/0.012"
Max. plate size	600 x 500mm (23 19/32" x 19 21/32")	1160 x 960mm (45 21/32" x 37 25/32")	1160 x 960mm (45 21/32" x 37 25/32")
Min. plate size	500 x 400mm (19 21/32" x 15 23/32")	500 x 400mm (19 21/32" x 15 23/32")	500 x 400mm (19 21/32" x 15 23/32")
Max. imaging area	598 x 474mm (23 17/32" x 18 21/32")	1158 x 934mm (45 9/16" x 36 3/4")	1158 x 934mm (45 9/16" x 36 3/4")
Min. imaging area	498 x 374mm (19 19/32" x 14 23/32")	498 x 374mm (19 19/32" x 14 23/32")	498 x 374mm (19 19/32" x 14 23/32")

Luxel Vx-9600 CTP				
Plate Thickness/Gauge	0.15mm/0.006"	0.2mm/0.008"	0.24mm/0.010"	0.3mm/0.012"
Max. plate size	600 x 500mm (23 19/32" x 19 21/32")	1050 x 800mm (41 3/16" x 31 15/32")	1162 x 960mm (45 23/32" x 37 25/32")	1162 x 960mm (45 23/32" x 37 25/32")
Min. plate size* Manual/Semi-Automatic	279 x 400mm (10 31/32" x 15 23/32")	279 x 400mm (10 31/32" x 15 23/32")	279 x 400mm (10 31/32" x 15 23/32")	279 x 400mm (10 31/32" x 15 23/32")
Min. plate size Fully Automatic	500 x 400mm (19 21/32" x 15 23/32")	500 x 400mm (19 21/32" x 15 23/32")	500 x 400mm (19 21/32" x 15 23/32")	500 x 400mm (19 21/32" x 15 23/32")
Max. imaging area	598 x 497mm (23 17/32" x 19 7/16")	1048 x 797mm (41 1/4" x 31 3/8")	1160 x 957mm (45 21/32" x 37 21/32")	1160 x 957mm (45 21/32" x 37 21/32")
Min. imaging area* Manual/Semi-Automatic	277 x 397mm (10 7/8" x 15 5/8")	277 x 397mm (10 7/8" x 15 5/8")	277 x 397mm (10 7/8" x 15 5/8")	277 x 397mm (10 7/8" x 15 5/8")
Min. imaging area Fully Automatic	498 X 397mm (19 19/32" x 15 5/8")	498 X 397mm (19 19/32" x 15 5/8")	498 X 397mm (19 19/32" x 15 5/8")	498 X 397mm (19 19/32" x 15 5/8")

Resolution DPI	Spot Size µm	Imaging Speed cm ² /min		Imaging Speed in ² /min		B1 Plates/hour	
		1 Laser	2 Laser	1 Laser	2 Laser	1 Laser	2 Laser
1200	26.0 – 31.3	6712	13424	1040	2081	28	43
1219	26.0 – 31.3	6600	13333	1023	2067	28	43
1270**	26.0 – 31.3	4422	8844	685	1371	26	41
1800	17.4 – 21.0	5424	10847	840	1681	24	38
1828	17.4 – 21.0	5333	10666	826	1653	24	38
2400	13.0 – 15.6	4063	8126	629	1259	19	32
2438	13.0 – 15.6	4000	8000	620	1240	19	32
2540	13.0 – 15.6	3840	7680	595	1190	18	31
3657	13.0 – 15.6	2667	5333	413	827	13	24

*Release date to be confirmed

**Luxel Vx-9600 CTP only

Multiple Media Supply

Single Cassette Automatic configuration:

- Up to 120 plates per cassette (0.15)
 - Auto cassette identification
 - Auto interleaf removal
- Semi-Automatic & Manual configuration:
- Single plate feed
 - No interleaf removal

Imaging

- Patented, Violet laser technology
- High speed spinner control
- Semi-conductor laser @ 405nm

User Interface

- Intuitive, easy to use touch screen controls engine mounted touch screen
- P.C. based user interface

Rip/Workflow Support

- Choice of RIPs
- Celebrant Suite
- Valiano ROOM (Rampage)

Punching (Optional)

- On-line, lead edge punching options
- All leading punching options plus custom

RIP - Recorder Interface

- Ultra Wide SCSI

Processor

- Integrated High Speed processor (For automatic & semi-automatic configurations only)

Media Type

- Fujifilm Brillia LP-NV photopolymer Violet aluminium plate
- 0.15mm to 0.3mm thick

Environment

- Optimum operating range
Temperature: 23°C +/- 2°C
Humidity: 55% +/- 5% non condensing

Image Quality

- Class leading Image Quality
- Fujifilm Quality Screening
- 50 to 200lpi screen rulings
- Adobe Accurate Screening
- Co-Res SCREENING
- TAFFETA20 screening

Electrical Requirements

230 +/- 10% VAC 50/60Hz single phase.16Amps
Heat output – 9500 BTU/hour

Dimensions*

- Fully Automatic configuration (incl. processor)
- Height: 1810mm (71")
- Width: 2050mm (80 3/16")

- Length: 5995mm (220 3/8")
- Weight: 3027Kg (6659lb)

Semi-Automatic configuration (incl. processor)

- Height: 1320mm (52")
- Width: 2040mm (80")
- Length: 3955mm (156")
- Weight: 1752Kg (3882lb)

Manual configuration (excl. processor)

- Height: 1320mm (52")
- Width: 2040mm (80")
- Length: 1470mm (58")
- Weight: 850Kg (1870lb)

*All measurements taken from the front of the platesetter assuming that the plate path feeds from the front to the rear

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