



# Luxel T-X/T-S CTP Series

## Luxel T-X5, Luxel T-S3, Luxel T-S1

PRODUCT BROCHURE

**Luxel**



# New generation of high quality, easy to operate thermal platesetters

The Luxel T-X and T-S next generation Luxel thermal platesetters use advanced multi-channel spatial light modulator technology to achieve outstanding quality, exposure stability, and high productivity. They are compact and easy to use, and include a range of advanced features. Three models in the range ensure suitability for diverse requirements, with manual loading, single cassette and multi-cassette options available.



## Flexible product lineup

A range of models are available to suit a variety of needs, from economic entry level to high speed variants offering excellent productivity. Manual loading, single cassette and multi-cassette options are available.

## Compact design

State-of-the-art high performance mechanisms have been condensed into a compact design. When used with processless plates this results in an extremely compact footprint.

## Maximised image area

8mm clamps with an option for 6mm on the T-X model ensure compatibility with a wide range of web and sheet-fed presses.

## Easy operation

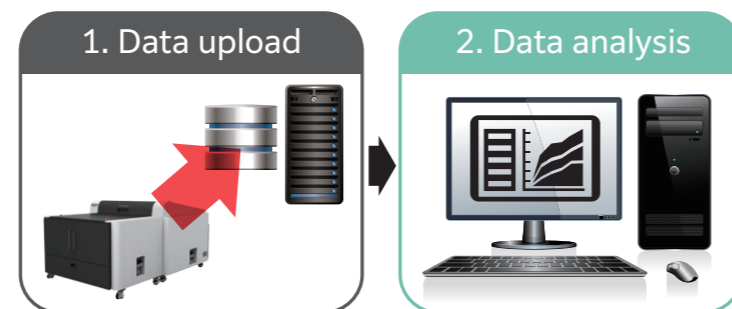
Job and system management is performed through a simple PC interface via a fiber-optic cable, allowing settings to be viewed on a large screen.

Efficient continuous operation is achieved as, even during plate output, plates can be loaded into multiple cassettes apart from the cassette in use.

## Remote maintenance

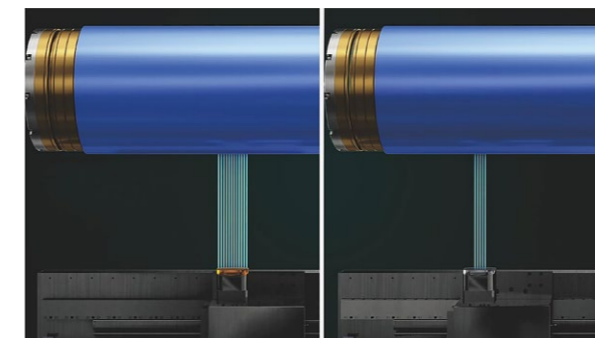
A remote maintenance service supports the indication and diagnosis of system status off site, along with guidance on timely maintenance and the replacement of consumables.

Data can be uploaded to a remote location, and analysis carried out to support more efficient diagnostics.



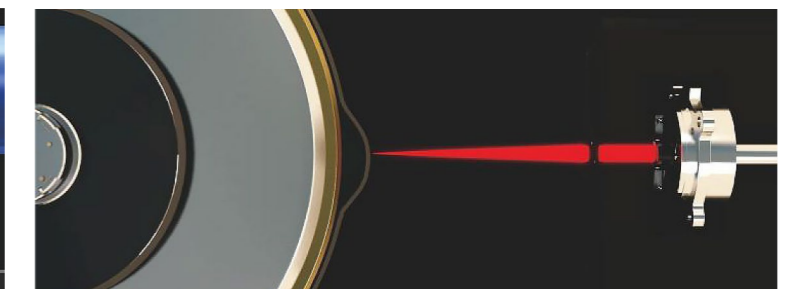
## Multiple channel spatial light modulator technology

The Luxel T-X5 platesetters make use of a unique multi-channel laser carriage that uses spatial light modulator technology to split the laser beam into multiple channels for drawing sharp-edged square dots on the plate. This facilitates easier control of the energy in each channel to produce consistent and stable dots, and the lower power consumption also provides environmental benefits and cost savings.



Multiple channel spatial light modulator technology

Conventional optical fibre technology



## Triangular-displacement dynamic autofocus system

Luxel T-X CTP systems use next-generation dynamic autofocus technology. Its precise ranging system driven by a voice coil motor can directly detect micron changes in distance to achieve constant and accurate focus. During the exposure process, the system measures and adjusts the distance between the plate and lens in real time, ensuring a constant exposure accuracy of the entire plate.

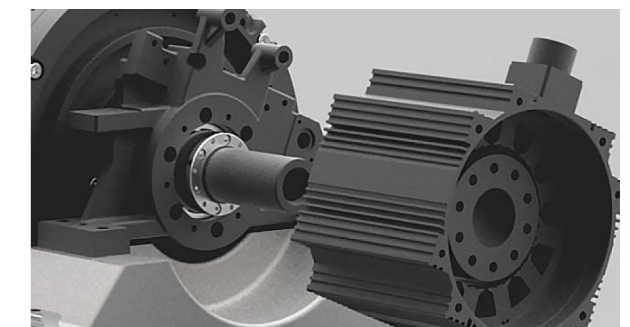
## Linear motor

The linear motor eliminates positioning deviations caused by intermediate links, resulting in ultra-precise positioning of the laser carriage. Apart from the guide rail, there is almost no mechanical friction. This increases unit stability, reduces any chance of failure, and maximises service life.



## Direct drive motor

With extremely high precision positioning, and fast acceleration, the direct drum drive motor significantly reduces load/unload times and greatly enhances efficiency compared to conventional belt-driven drum technologies.



## Key Specifications

		High speed model	Standard model	
Name		Luxel T-X5	Luxel T-S3	Luxel T-S1
Exposing method		External drum		
Plate size	max	1163mm x 940mm		
	min	400mm x 300mm*4		
Plate thickness	max	0.3mm		
	min	0.15mm		
Exposing size	max	1163mm x 928mm*3	1163mm x 924mm*3	
	min	400mm x 284mm		
Type of laser head		Light Valve Head	Fibre Laser Diode Head	
Number of laser channels		≥220	64	32
Plate type		Thermal aluminium plate		
Resolution		2400 or 2540dpi (fixed)		
Exposure		Spiral exposure		
Accuracy standard		Plate Edge Detection		
Output speed		55pph*1	31pph*1	18pph*1
		1030mm x 800mm, plate sensitivity 110mJ/cm <sup>2</sup>		
Interface		Optical fiber cable		
Plate loading (mandatory selection*2)				Manual loader (P)
			Single cassette (SCL)	
		Multiple cassette (MCL, 4 cassette)		
		Pallet Loader - APL (Single and double bay)		
Connection of processor		Output conveyor (included)		
Punching system		Option: internal punch three sets of plate holes		
Workflow		Supplied with 1 BIT TIFF Interface		
Safety regulation		CE, NRTL, EMC, FDA		
Environment		Operating temperature range: 15 - 30°C, Recommended temperature: 21 - 25°C, Humidity : 40 - 70%		
Device size		CTP manual loader (P): 1900mm x 2510mm x 1356mm (L x W x H) CTP with standard single cassette unit (SCL): 1900mm x 3010mm x 1356mm (L x W x H) CTP with multiple cassette unit (MCL): 1900mm x 3267mm x 1356mm (L x W x H) CTP with Single Pallet Loader (APL): 1915mm x 5096mm x 1550mm (L x W x H) CTP with Double Pallet Loader (APL): 1915mm x 6416mm x 1550mm (L x W x H)		
Weight		Manual loader: 1100kg, Single cassette: 1250kg, Multi-cassette: 1650kg		
Power supply	P			single phase : 220V, 2.49kW
	SCL		single phase : 220V, 2.93kW	single phase : 220V, 2.69kW
	MCL	single phase : 220V, 2.82kW MCL loader : 220V, 0.85kW	single phase : 220V, 2.93kW MCL loader : 220V, 0.85kW	
	Common	Power of vacuum box: 220V, 1.310KW	Power of vacuum box: 220V, 1.610KW	
Compressed air		oil free ≥ 200L/min, ≥0.65MPa CTP manual loader (P) : one line for CTP, Volume ≥65L CTP with standard single cassette unit (SCL) : one line for CTP and SCL, Volume ≥135L CTP with multiple cassette unit (MCL) : one line for CTP, one line for MCL, Volume ≥135L		
Specification of PC for image control software		PC required specification is as below. - CPU: Intel Core i5 or above (Do Not use AMD) - Memory: Minimum 32GB - Storage: 256GB SSD (OS) + 500GB SSD (Data) - Network: 1Gb Ethernet - Interface: PCIe x1 Slot, USB 2.0 - OS: Windows 10 / 11 64bit (English)		

Supplementary information

\*1 Productivity is evaluated when using only positive plate.

\*2 Plate loading system is a factory option. Please contact Fujifilm for further information.

\*3 Maximum imaging area with standard 8mm clamps (T-S models always have 8mm clamps overlap. T-X models always have 6mm clamps overlap.)

\*4 APL configuration: min size 400mm x 485mm

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