### FUJIFILM

# Luxel T-X/ T-S CTP Series

**PRODUCT BROCHURE** 

Luxel T-X5 / Luxel T-X4 Luxel T-S3 / Luxel T-S2 / Luxel T-S1





High quality thermal platesetters

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

The Luxel T-X and T-S next generation Luxel thermal platesetters use advanced multichannel 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. Five 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 multicassette options are available for each model.

#### **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-X4/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

#### **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.



### Triangular-displacement dynamic autofocus system

Luxel T-X/T-S 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.





### **Key Specifications**

		High speed model								
Name		Luxel T-X5	Luxel T-X4	Luxel T-S3	Luxel T-S2	Luxel T-S1				
Exposing method		External exposure								
Plate size	max	1163mm × 940mm								
	min	400mm x 300mm								
ma		0.3mm								
Plate thickness	min	0.15mm								
max		1163mm × 924mm								
Exposing size	min	400mm × 284mm								
Type of laser head		Light Valve Head								
Number of laser channels		≥220	≥200	64	48	32				
Plate type		Thermal aluminium plate								
Resolution		2400 or 2540dpi								
Exposure		Spiral exposure								
Accuracy standard		Plate Edge Detection								
Output speed		55ppm*1	45ppm*1	31pph*1	25pph* <sup>1</sup>	18pph*1				
			1030mm × 800mm, plate sensitivity 110mJ/cm <sup>2</sup>							
Interface		Optical fiber cable								
		Manual loader (P)								
Plate loading (mandatory sele	ction*2)	Single cassette (SCL)								
(manualory colocitori )		Multiple cassette (MCL, 4 cassette)								
Connection of processor		Output conveyor (included)								
Punching system		Option : internal punch three sets of plate holes								
Workflow		For XMF Workflow, 1 bit TIFF license needed								
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)								
Weight		Manual loader: 1100kg, Single cassette: 1250kg, Multi-cassette: 1650kg								
	Ρ	single phase	: 220V, 2.62kW	single phase : 220V, 2.73kW	single phase : 220V, 2.61kW	single phase : 220V, 2.49kW				
	SCL	single phase	: 220V, 2.82kW	single phase : 220V, 2.93kW	single phase : 220V, 2.81kW	single phase : 220V, 2.69kW				
Power supply	MCL	single phase : 220V, 2.82kW MCL loader : 220V, 0.85kW		single phase : 220V, 2.93kW MCL loader : 220V, 0.85kW	single phase : 220V, 2.81kW MCL loader : 220V, 0.85kW	single phase : 220V, 2.69kW MCL loader : 220V, 0.85kW				
	Common			Power of vacuum box: 220V, 1.310KW						
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 belows. - CPU Intel Core processor i5 (Do not use the AMD processor) - Memory 16 GB or above - SSD 256GB (OS) - Hard disk 1 TB - Network card 1000Mbps ethernet /Lan - Interface PCIEXI, USB 2.0 - Operating System English Win 10 / Win 11, 64 bit Operating system								

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.

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