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

Luxel

LUXEL T-X/T-S CTP SERIES
HIGH QUALITY PRODUCTIVE THERMAL PLATESETTERS

New Generation of Environment-Friendly, Highly-Reliable, and Easy-to-Operate Thermal Platesetters

These new generation Luxel thermal platesetters use advanced Multiple channel spatial light modulator technology to achieve outstanding reticulation quality, exposure stability, and high productivity.
They are equipped with the latest mechanisms, but more compact and even more eco-friendly.
Incorporation of Fujifilm's proprietary know-how reinforces ease-of-use and safety.
The 5 models line up offers 3 options to meet a wide range of needs.

Extensive product lineup

Lineup includes a wide range of models, from the standard efficiency model to high-speed variants offering excellent productivity. Select the model that best suits your particular needs. Multi, single, and manual loaders are available for each model.

Compact design

State-of-the-art high-performance mechanisms are condensed in a compact design. Installation requires less space.*
Use with processless plate to reduce your production line area even more.
Use with a processless plate to reduce your production line area even more.

*compared with conventional T series.

Easy operation

- Job and edition settings are input on a PC connected to the main unit via fiber-optic cable for stress-free operation on a large, easy-to-view screen.
- Efficient continuous operation is achieved as, even during plate output, plates can be loaded into multiple cassettes apart from the cassette in use.
- MCL the autoloader picks plates from the front and uses a membrane pickup system, making work easier as reversal is no longer necessary when loading plates.

Larger image areas

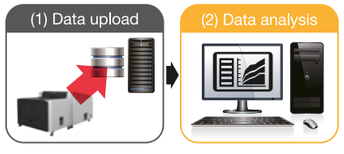
The tail edge clamp is a default 8 mm. 6 mm option is also available for plate maximum image area.

Remote Maintenace Service

Remote maintenace service provides off-site system status diagnosis and guidance on timely maintenance and replacement of consumables.

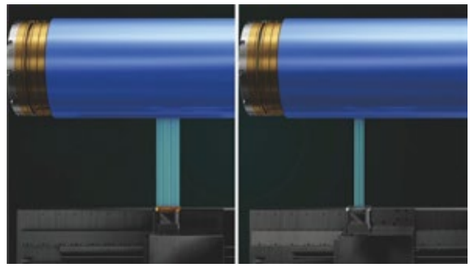
For the best support by service engineers

(1) Data upload
(2) Data analysis



Multiple channel spatial light modulator technology

Multiple channel spatial light modulator technology adapted by Luxel T-X4/X5 CTP is the 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 energy in each channel to produce consistent and stable dots.
The energy control for each channel of laser reduces power consumption and also provides environmental benefits and cost savings.

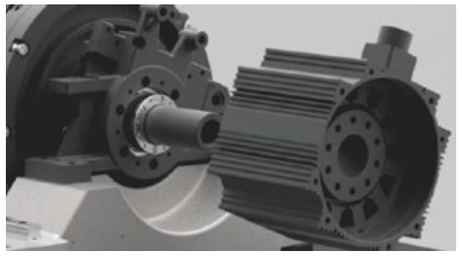


Multiple channel spatial light modulator technology

Conventional optical fiber technology

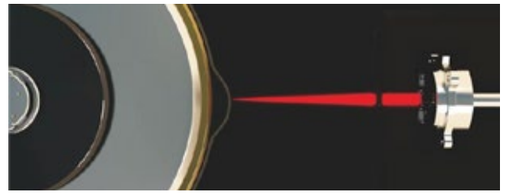
Direct drive motor

With extremely high positioning precision and fast acceleration, the direct drum drive motor significantly reduces load/unload time and greatly enhances efficiency compared to the conventional belt driving drum method.



Triangular-displacement dynamic autofocus system

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



Linear motor

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

TECHNICAL SPECIFICATION FOR LUXEL T-X/S SERIES

		High speed model		Standard model		
Name		**Luxel T-X5**	**Luxel T-X4**	**Luxel T-S3**	**Luxel T-S2**	**Luxel T-S1**
Expsoing method		External exposure				
Plate size	**max**	1163 × 940				
	min	400 × 300				
Plate thickness	**max**	0.3				
	min	0.15				
Maximum exposing size		Max. 1,163 × 924mm., Min.400 × 284mm				
Winding direction		Horizonal setting				
Type of Laser Head		Light Valve Head / 825 nm				
Number of Channel of Laser		>=220	>=200	64	48	32
Plate type		Thermal aluminium plate				
Resolution		2400 or 2540 dpi				
Exposutre method		Spiral exposure				
Accuracy standard		Plate edge				
Output speed		55	45	31*1	25*1	18*1
		1030 × 800mm, plate sensitivity 110mj/cm^2				
Interface		Optical fiber cable				
Plate loading (mandantory selection*2)		Manual loader (P)				
		Single cassette (SCL)				
		Multiple cassette (MCL, 4 cassette)				
Connection of processor		Output conveyor				
Punching system		Option : internal punch three sets of plate holes				
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) :1900 x 2510 x1356(L x W x H), CTP with standard single cassette unit(SCL):1900 x 3010 x 1356mm(L x W x H), CTP with multiple cassette unit(MCL) :1900 x 3267 x 1356(L x W x H)				
Weight(kg)		manual loader : 1100kg, single cassette 1250kg, multi cassette 1650kg				
Power supply	**P**	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
	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 1000M ethernet /Lan - Interface PCIEX1, USB 2.0 - Operating System English Win 10 / Win 11 , 64 bit Operating system In case that you use XMF workflow,you need 1bit tiff lisence.				

Supplementary information
*1 productivity value for Fiber machine(T-S1,2,3) is evaluated when using only positive plate.
*2 Plate loading system is Factory option,need to select from P,SCL,MCL.
*This machine does not include power cable.
*In case manual loading,it does not always achieve the productivity according to the spec.
*Machine weight does not include the weight of plate.
*P model is Manual loader,SCL is single cassette loader,MCL is multi cassette loader.
*The machine have a high elevation correspondence option.this machine can work at the elevation of 2500 m.

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