

## **Luxel T-6500CTP:** Overview

# Advanced 4pp thermal platesetter system

The Luxel T-6500CTP series is the latest generation of 4pp platesetters from Fujifilm. Available in three versions with key improvements in productivity, the flagship model can achieve 33 plates per hour providing at least 8 sets of 4 colour plates per hour.

### Key features

- ▶ Productivity options: from 11 to 33 plates per hour
- ▶ Full automation possible with single and multi-autoloader
- ▶ Uses Fiber LD technology for higher quality image output
- ▶ Improved small plate size support
- ▶ Improved data connection via Gigabit Ethernet
- ▶ Maximum plate size: 830 x 660mm
- ▶ Online punch option: Maximum 6 units with up to 3 sets of punches
- ▶ Three investment entry points:

Luxel T-6500CTP E:  
11 plates per hour

Luxel T-6500CTP S:  
21 plates per hour

Luxel T-6500CTP X:  
33 plates per hour



**Luxel**



## Produce high quality plates with speed and flexibility

### High speed plate production

The top of the range Luxel T-6500CTP X model can achieve at least 8 sets of 4 colour plates per hour reducing plate making and production times.

### Full and flexible plate automation

A range of automation options exist to meet specific production, space and budget requirements.

### Highest quality plate imaging

The latest laser technology ensures excellent image quality while providing consistent plate quality.

### Wide plate size capability

A wide range of compatible plate sizes provides flexibility for a larger number of presses.

### Online plate punch option

Up to 3 sets of plate punches enables accurate online press plate punching for improved plate registration.



Single autoloader AL up to 100 plates

## Productive

### Fast plate output for maximum productivity

There are three models in the Luxel T-6500CTP series to cover a wide range of production requirements. Maximum productivity is achieved with the flagship Luxel T-6500CTP X which is capable of delivering up to 33 plates per hour or the equivalent of 8 sets of 4 colour plates per hour. E and S models can achieve 11 and 21 plates per hour respectively.

### Highest quality plate imaging

Luxel T-6500CTP platesetters use the latest fiber laser diode imaging technology that is usually associated with larger, more expensive platesetters. This delivers new levels of plate consistency and overall image quality which is particularly important with high resolution and fine screen printing.

## Flexible

### Full and flexible plate automation

Luxel T-6500CTP platesetters are available in several plate handling configurations including manual plate load/unload, semi with manual load and auto unload via an optional built-in-bridge. Further options of a single (AL) autoloader and full multi (ML) autoloader provide full plate handling flexibility to offer the best solution for any requirements, with potential savings in time and labour costs.

### Wide range of supported plate sizes

With the small plate option Luxel T-6500 CTP platesetters can handle plates from 270 x 330mm (manual load). Further plate size flexibility is achieved with a maximum plate size of 830 x 680mm (manual load). The wide range of compatible sizes ensures the platesetter can handle plate making needs for most printers up to 4pp format.

### Range of output resolutions

A number of different resolutions are possible providing complete flexibility. Standard output resolutions from 1200dpi up to 2540dpi are possible. The ability to choose a specific output resolution is available via a simple menu based setup process and does not require specific engineering support.

## Upgradable

### Automation

Luxel T-6500CTP platesetters are backward compatible with the previous Luxel T-6000 single and multi autoloader units (AI IV) via connection kits. This allows the platesetter to be upgraded without the added cost of replacing a current autoloader unit making any change very cost efficient.

### Productivity upgrades

Should plate production demands increase, it is possible to upgrade a platesetter from the E to S specification plate output taking plate production from 11 to 21 plates per hour. All this is achieved with a simple upgrade option and no complex engineering modifications.

### Connectivity

A Gigabit Ethernet connection eliminates the need for a costly PIF board or converter box. The platesetters are fully compatible with Fujifilm's XMF workflow V6.2 or higher or other Workflow options via XMF Gateway V6.2



*Multi-autoloader ML up to 300 plates*

## Technical specification

Luxel T-6500CTP		T-6500CTP E	T-6500CTP S	T-6500CTP X	Remarks
<b>Recording System</b>		External drum			
<b>Plate size (mm)</b>	<b>Max</b>	830 x 660			1
	<b>Min</b>	324 x 330			1, 2
	<b>Option</b>	Min: 270 x 330			2
<b>Plate thickness (mm)</b>		0.15 - 0.3			
<b>Maximum output size (mm)</b>		830 x 636			1, 3
<b>Loading direction</b>		Both horizontal and vertical loading are possible			4
<b>Exposure head</b>	<b>Light source</b>	Fiber laser diode			
	<b>Channel</b>	16	32	64	5
	<b>Power</b>	240 mW/ch			
	<b>Wavelength</b>	830 nm			
<b>Resolution</b>		1200, 2400, 2438, 2540			
<b>Exposure system</b>		Spiral exposure			
<b>Productivity</b>		11	21	33	6
<b>Drum rotation speed</b>		Max. 1000 rpm			
<b>I/F</b>		Gigabit Ethernet			
<b>Plate loading</b>	<b>Standard</b>	Manual (front loading), including feed tray			
	<b>Option</b>	T-6000AL IV/T-6000ML IV T-6000AL V/T-6000ML V			7
<b>Plate unloading</b>	<b>Standard</b>	Front discharge			
	<b>Option</b>	Built-in bridge			9
<b>Registration</b>		Plate edge detection			11
<b>Reference punch (escape punch)</b>	<b>Standard</b>	n/a			
	<b>Option</b>	Escape punch			2
<b>Press punch</b>	<b>Option</b>	Max: 6 units			8
<b>Standard acquisition</b>		FCC, CSA, VCCI, FDA, WEEE, RoHS, CTUVus, (EN1010, EN60825) EMC, CE mark, KC mark			
<b>Dimensions (W x D x H)</b>		1985 x 1315 x 1300mm (Including blower and feed-tray)			
<b>Weight</b>	<b>Main unit</b>	830kg			
	<b>Blower</b>	Built-in			
<b>Power requirement</b>		Single-phase 200-240V, 15A, 3.6kW (Including blower and autoloader)			
<b>Environment</b>		Recommended; 21 to 25 degree (required: 18 to 26 degree) Relative humidity: 40 to 70% (no condensation)			10
<b>User interface language</b>		English, Japanese			

### Remarks

\*1 Factory option for maximum plate size: Maximum plate size increase to 830 x 680 mm (max exposure size: 830 x 656 mm). Note: plates larger than 830 x 660 mm are not compatible with autoloader

\*2 Reduced minimum plate size option: With this minimum size plate option, register punch units are fitted with punch pitch limitation of 302 mm.

\*3 Leading and trailing edge clamps are 12 mm.

\*4 When using the following plates, seek technical advice:  
Vertical loading: all cases.  
Horizontal loading: Aspect ratio is more than 1:2.

\*5 Field upgrade:  
E to S: available (replacement recording head)  
S to X: not available

\*6 Productivity may vary depending on the sensitivity of media. All values are 2400 dpi with plate size of 724 x 615 mm.

\*7 SA-L/MA-L T-6000 IV can be used for Luxel T-6500 series, but connection kit is required.  
Specification of SA-L/MA-L T-6000 IV and SA-L/MA-L T-6000V is from 304 x 370 to 830 x 660 mm.  
MA-L/SA-L T-6000 III or older autoloader cannot be connected.

\*8 Punch unit is compatible with Luxel T-6300 series. Special press punch option is the same as Luxel T-6XXX series.

\*9 AT-T4000 cannot be connected. When connected with direct stacker after CTP device, built-in bridge is required.

\*10 When installed where the altitude is higher than 1500m 'high altitude blower (BU-800E)' will be required. In this case, original internal blower cannot be used.

\*11 In case of X >= 324 mm, plate does not have notch.

### For further information:

Please contact your local Fujifilm partner.

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