

CRON-ECRM UV CTP series

Optional configurations for **commercial** and **newspaper** solutions

UVP 46" Series

Model : G



UVP-4616G UVP-4624G UVP-4632G UVP-4648G UVP-4664G UVP-4696G

Imaging

Resolution	1800/2400/2540/2800dpi (option: 3000/3600dpi*) / 1200/1270/1500/1800dpi					
Throughput	9 / 15	13 / 21	17 / 26	23 / 35	29 / 42	38 / 52
	2400dpi (width: 1030mm) / 1200dpi (width: 800mm)					
Dot recovery	1%-99%					
Registration accuracy	0.01mm					

Plates

Max. plate size	1160mm×940mm
Min. plate size	450mm×370mm
Applicable plate	UV Plate
Plate thickness	0.15 ~ 0.30mm

Technology

Laser channels	16	24	32	48	64	96
Laser wavelength	405nm					

System

Automatic positioning system with high resolution by three points method	Built-in
Air cooling and purifying system	Built-in
Vacuum system	Built-in
Automatic loading system	Optional; Single Cassette Loader (SCL) or Multi-cassette Loader (MCL)
FM screening and hybrid screening	Available

Power & Working condition

Power supply	1-phase AC 220V±5% 50/60Hz
Power	5.3 KVA
Operation temperature	18~26°C
Range humidity	40 ~ 60%

Size & Weight

Machine dimensions	W×L×H= 1140mm×1895mm×1070mm
Machine net weight	1240 kg

CRON-ECRM reserves the right to amend and correct the information.

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UV CTP 46" Model G

CRON 46" G Series CTP is a classical 8 Page CTP capable of imaging at up to 3600dpi resolution with an image format from 450 x 370 mm up to 1160 x 940 mm.

The new Optical Carriage design with integrated optics and lasers reduce power loss and assures optimum image quality at all times. The new integrated system also means that maintenance is much simpler.

Choises for commercial and newspaper solutions



Accurate, high quality imaging and performance

- **V-Shaped guide rail** ensures perfect spot focus across the drum and **the linear magnetic drive** ensures friction-free movement controlled down to 0.1 μm .
- **Unique 3-point loading** system and non-contact sensor positioning ensures smooth and efficient plate loading with plate to plate register accuracy greater than 0.01 mm.
- **Dual balanced drum** enables high speed vibration-free performance and low maintenance.
- Patented **auto clamp closing** technology and drum vacuum ensures accurate plate positioning at all times together with safe operation.

Flexible configurations for varying customer requirements

- A choice of laser diode configurations and upgrade options: 16, 24, 32, 48, 64 and up to 96 channels available.
- Unique ability to re-configure CTP between UV and Thermal technology by replacing Laser optical system.
- Superior optical design means that CTP can be configured for Commercial or Newspaper applications and output resolutions.
- Accept standard **1-bit tiff files**, compatible with most pre-press workflows.
- CRON-ECRM CTPs have a **smaller foot print** than most other CTP systems allowing them to be used in more confined working environments.

Productivity

- With a maximum of **96 laser diode channels** speeds of up to 52 plates per hour are possible for high throughput Commercial and Newspaper applications.
- Unique plate handling technology minimizes time to load and unload plates and optimizes throughput.

Excellent image quality

- Digital image position control to an accuracy of 0.5 μm .
- **Digital laser focusing system** with automatic temperature and focus compensation.
- A 2.0MHz optical correction system and zoom technology enabling resolutions up to 3600 dpi with high speed and class winning precision.
- Precision imaging and high quality optics ensure class leading quality and ability to realize **10 μm FM screening**.
- Optical carriage contains both the Scanning optical system and laser diodes reducing power loss and enabling greater control over image quality.

Easy of use and maintenance

- Complete digital control: from plate loading to imaging, punching and processing entirely controlled by **LaBoo** software.
- Efficient and high power single channel laser system with low energy loss extends laser diode life
- Optical and laser system installed in a single compact carriage unit for easy maintenance.
- **Linear magnetic rail scanning system**. The new wear-resistant self-lubricating material ensures that the rail system is extremely durable and needs almost no maintenance.
- **Individual laser diodes** can be changed separately reducing maintenance costs and provides redundancy with no loss of production in the event of a diode failure.
- A comprehensive product warranty and extended cover for key components ensures worry-free operation.

Environmentally friendly

- **Chemical Reduction System**: CRON's unique UV-CTP digital processing technology (**CRD**) enables automatic processor liquid replenishment based on parameter settings and conductivity measurements. Savings of 40% of chemistry consumption is possible.

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