

# CRON-ECRM Thermal CTP series

Optional configurations for commercial and newspaper solutions

## TP 36" Series

Model : F



TP-3616F    TP-3624F    TP-3632F    TP-3648F    TP-3664F    TP-3696F

### Imaging

Resolution	1800/2400/2540/2800dpi (option: 3000/3600dpi*) / 1200/1270/1500/1800dpi					
Throughput	14 / 23	20 / 32	26 / 39	35 / 51	43 / 60	55 / 73
Dot recovery	2400dpi (width: 745mm) / 1270dpi (width: 800mm)					
Registration accuracy	1%-99% 0.01mm					

### Plates

Max. plate size	925mm×675mm
Min. plate size	320mm×240mm
Applicable plate	Thermal Plate
Plate thickness	0.15 ~ 0.30mm

### Technology

Laser channels	16	24	32	48	64	96
Laser wavelength	830nm					

### 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: 975mm×1625mm×1065mm
Machine net weight	1150 kg

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

# CRON-ECRM

## TP CTP 36" Model F

CRON-ECRM 36" F Series CTP is a versatile 6 Page CTP capable of imaging at up to 3600dpi resolution with an image format from 320 x 240 mm up to 925 x 675 mm.

Linear magnetic drive scanning system  
Less maintenance  
Multiple resolutions

Choices 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  $\mu\text{m}$ .
- **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

- Options 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.
- Advanced optical design means that CTP can be configured for Commercial or Newspaper applications and output resolutions.
- Compatible of standard **1-bit TIFF files**, compatible with most pre-press workflows.
- CRON-ECRM CTPs have a **compact footprint** 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 73 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  $\mu\text{m}$ .
- **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 the ability to realize **10  $\mu\text{m}$  square FM screening**.

### 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.
- **Linear magnetic drive scanning system**. The new super 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.

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