

CRON-ECRM Thermal CTP series

Optional configurations for commercial and newspaper solutions

TP 46" Series

Model : F



TP-4616F TP-4624F TP-4632F TP-4648F TP-4664F TP-4696F

Imaging

| | | | | | | |
|-----------------------|---|---------|---------|---------|---------|---------|
| Resolution | 1800/2400/2540/2800dpi (option: 3000/3600dpi*) / 1200/1270/1500/1800dpi | | | | | |
| Throughput | 9 / 16 | 13 / 23 | 17 / 29 | 23 / 38 | 29 / 45 | 38 / 55 |
| | 2400dpi (width: 1030mm) / 1500dpi (width: 800mm) | | | | | |
| Dot recovery | 1%-99% | | | | | |
| Registration accuracy | 0.01mm | | | | | |

Plates

| | |
|------------------|---------------|
| Max. plate size | 1160mm×940mm |
| Min. plate size | 450mm×370mm |
| 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= 1140mm×1895mm×1070mm |
| Machine net weight | 1240 kg |

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

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TP CTP 46" Model F

CRON-ECRM 46" F 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.

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 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

- 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 55 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.

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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