



AUTOMATION

WITH SAVINGS AND EFFICIENCY

Experience true online CTP system that comes with complete optional auto-loading and standard online bridge right up to processing with stacker capabilities in just one click. With low investment cost of autoloader, elimination of a full time staff to manage the equipment and on its 6th generation model with consistent loading technology, efficiency is no longer a topic for improvement.

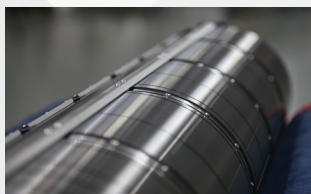
New loading technology includes front and back unloading options as well as an accurate multi level pressure suction to differentiate the plate with the protective paper.

STABILITY

UNIQUE DRUM TECHNOLOGY

Cron's key success in the CTP product stability is found on its external drum system where much ingenuity patented technologies are involved to create a masterpiece product that is unique and different to others. Using a complex Dynamic Drum Dual Balancing technology, various plates of different thickness and sizes are accurately compensated and balanced on the drum. Together with the patented head and tail clamp technology built onto the drum, this eliminate problems of additional weight compensation needed for the clamps to function and also problems of damaging the drum when clamps are repeatedly used as in many other CTP machineries.

Further to this, with a unique drum vacuum technology inside each machine, this produces the capability of activating a vacuum plate locking mechanism that enhances the loading flatness of the plate against the drum. This is important especially during high-speed imaging where the stability of the operation is critical.



With such high-tech investment onto the drum, this makes the drum to become the most expensive part on the entire machine, which is why Cron have also included the patented protective coating technologies that produces anti-scratch and anti-rust resistance on the drum.

SIMPLICITY

SIMPLE BUT PRACTICAL



Outlook of the machinery may not be important to many but design with practicality is utmost important. This is why Cron have included a three (3) point installer leg position under the CTP machine that caters for easy installation of the machine. Also, with the standard online bridge supplied (except VLF series), it doubles up and act as a stacker unit when used offline or lifted up for easy access by any engineers without the need to reallocate any machineries for servicing.

Unlike others, Cron machinery includes all pumps and even air filter to be built into the machine to eliminate noise and air pollution as well as minimize dust & heat accumulated in the machine.

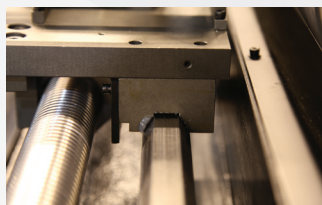
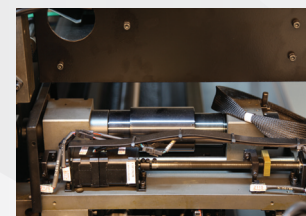
TECHNOLOGY

IMAGING TECHNOLOGIES THAT MATTERS

While many brands boast of their expensive technology prowess, Cron's focus is on technology practicality. Cron CTP technology is capable of introducing up to 128 laser channel models, however, it is not recommended for customers as a standard offering as feasibility study by Cron offers the best value for money models. Instead, Cron focuses on the implementation of true individual laser diodes, where operation downtime is reduced to a minimal as any individual channel may be disabled if the need arise.

For UV models, power consumption is kept at a minimum for normal operation that actually prolongs the lifespan of the diodes. For Thermal models, power consistency is the key, and this can even be achieved even at 400mW.

Another notable option is the multi-resolution choice available for a range of production capabilities that many brands do not offer. For the early adopters, we have the G Series models that further enhances the laser box consolidated operation structure with coolant system that improves laser power and temperature consistency.



QUALITY

QUALITY BEYOND EXPECTATION

No matter which CTP technology, Cron provides high quality and high speed imaging output results. Utilizing it's unique V-Shaped Rail Guide technology, accuracy is further enhanced with consistency and stability. Together with the award winning high quality, high volume lead-screw technology (for E Series) or the very first Linear Electric Motor Scanning System (for F & G Series) on an external drum system, Cron is now able to achieve digital accuracy of up to 0.05um.

Nothing hurts more to the customer than hidden costs of maintenance in any machinery. Cron technology comprises of mostly mechanical parts that is low in cost and is also an open system that does not require proprietary hardware and software like other brands. Most importantly is that technologies like plate clamps, rollers and etc is not classified as a costly consumable item that requires to be changed regularly but instead as a long lasting spare part which is what it should be. Because of the nature of Cron CTP structure with consistency, stability and of quality, the product lifespan can easily surpass other products that require proprietary parts that may not be available after a certain period of time.

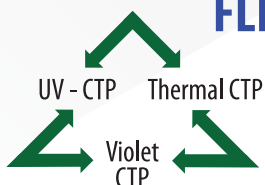
DURABILITY

DURABILITY WITH LOW MAINTENANCE



FLEXIBILITY

OPTIONS THAT CATERS FOR MARKET CHANGES



Market demands are the most difficult to follow with the ever changing requirements of each customers. Cron CTP has the options just to cater for this. Options include the interchangeable technologies between Thermal, UV and Violet. For new purchases, pre-installed fibers are available for ease of upgrades when businesses expand. Addition of laser channels is also possible for existing installations while for UV models, even change of laser type is possible. Flexibility is key to market adaptation.

Product Speed Matrix (plates/hour)	26 Series (X+)*			36 Series (X+, I+ or II)*			46 Series (X+, I+ or II)*			62/72 Series (I+)*		
	Laser Channels			Laser Channels			Laser Channels			Laser Channels		
Size and Resolution	16	32	64	32	48	96	32	48	96	48	64	96
510mm (2400dpi)	23	40	64	35	46	69	29	39	58			
745mm (2400dpi)				26	36	56	22	30	47			
800mm (1500dpi)				36	47	70	30	39	58			
1030mm (1200dpi)				22	31	50	17	23	38			
1030mm (2400dpi)										16	21	28
1620mm (2400dpi)										11	14	20
1850mm (2400dpi)**										10	13	18

*For UV Models Only ● **72 Series Only

X+ Working laser power onto the plate is 70mw. ● I+ Working laser power onto the plate is 100mw. ● II Working laser power onto the plate is 160mw.

CRON CTP Technical Specification

Technical Specification	26" Series CTP (X+)	36" Series CTP (X+, I+, II)	46" Series CTP (X+, I+, II)	66 Series CTP	72 Series CTP
Max.plate size(mm)	670x560	925x670	1160x940	1670x1290	1850x1422
Min.plate size(mm)	320x240	240x320	450x370	650x550	650x550
Positioning system	Automatic positioning system with high resolution	Automatic positioning system with high resolution	Automatic positioning system with high resolution	Automatic positioning system with high resolution	Automatic positioning system with high resolution
Air cooling & purifying system	Built-in	Built-in	Built-in	Built-in	Built-in
Vacuum system	Built-in	Built-in	Built-in	Built-in	Built-in
Automatic plate-loading system	■	Optional	Optional	Optional	Optional
Max.plate amount inside the autoloader	■	50P/100P	50P/100P	50P	50P
Imaging resolution options	1200/1270, 1500, 1800 or 1500, 1800, 2400/2540	1200/1270, 1500, 1800 or 1500, 1800, 2400/2540 or 1800, 2400/2540, 2800 or 2400/2540, 2800, 3000	1200/1270, 1500, 1800 or 1500, 1800, 2400/2540 or 1800, 2400/2540, 2800 or 2400/2540, 2800, 3000	1200/1270, 1500, 1800 or 1500, 1800, 2400/2540 or 1800, 2400/2540, 2800 or 2400/2540, 2800, 3000	1200/1270, 1500, 1800 or 1500, 1800, 2400/2540 or 1800, 2400/2540, 2800 or 2400/2540, 2800, 3000
FM screening & FAM hybrid screening	OK	OK	OK	OK	OK
Dot recovery	1-99%	1-99%	1-99%	1-99%	1-99%
Registration accuracy(mm)	0.01	0.01	0.01	0.01	0.01
Plate thickness	0.15~0.30	0.15~0.30	0.15~0.40	0.15~0.40	0.15~0.40
Operation temperature	18-25°C	18-25°C	18-25°C	18-25°C	18-25°C
Relative humidity	20~80%,no water condensation	20~80%,no water condensation	20~80%,no water condensation	20~80%,no water condensation	20~80%,no water condensation
Machine dimension(mm)	W*L*H=970*1375*1065	W*L*H=975*1625*1065	W*L*H=1140*1895*1070	W*L*H=1500*2700*1200	W*L*H=1500*2700*1200
Machine net weight(kg)	Approx. 900	Approx. 1150	Approx. 1240	Approx. 2300	Approx. 2300
Power supply requirements	AC220V±5% 50/60Hz	AC220V±5% 50/60Hz	AC220V±5% 50/60Hz	AC380V±5% 50/60Hz	AC380V±5% 50/60Hz
Power	4.6KVA	5.3KVA	5.3KVA	10KVA	10KVA

COMPLIMENTARY PRODUCTS



Auto-loader Unit

With the inclusion of the CRON Auto-Loader Unit option, efficiency improvement and cost savings is definitely achieved. With a single cassette capacity of loading 50 sheets of 0.3mm thickness plates or 100 sheets of 0.15mm thickness plates (except for VLF series), the need for a dedicated manpower for plate loading is eliminated and thus further savings is realized.



Processors

The CRON CTP unit works well with most branded plate processors in the market. With many processor sizes available in the market, careful selection of the model is crucial as not to over invest and also just as important is the fast support response from the vendor is the priority in selection of the right processor.



Chemical Replenisher Device (CRD)

With this unique little device from CRON, much wastage of time and materials are eliminated as it acts as the key to regulate the chemical conductivity in the plate processor to ensure consistent plate developing, accurate dot recovery and most of all enhance production efficiency. This is possible with CRON's state-of-the-art digital detection and automatic control technology to realize real-time and dynamically monitor the developing process based on developer temperature, volume, chemical usage and etc in order to compensate and adjust automatically.



Workflow Options

CRON offers customers with the complete CTP solution via the latest CRON Solution Software suite that can perform simple imposition, ripping and other basic capabilities. For advance users that require the full workflow suite, CRON's open system technology can work with any of the workflow solutions available in the market.