RoHS ISO 14001 CERTIFICATE ISO 9001 CERTIFICATE CE TÜV SÜD C NRTL US

CRON

CRON CTP

High Resolution   Fully Automatic CTP

V 2020−05

Simplicity · Stability · Speciality

CRON CTP | Product Manual

Fully Automatic CTP

ABOUT US

A thousand years ago, in the early Song Dynasty, Bisheng invented man's first generation of the printing process, promoting man's heritage and development. Now, also in the same legendary place, CRON is taking on the burden and inheriting the printing culture, its mission, embarking on the long journey of change and innovation in the printing industry.

CRON has been committed to the optimization and innovation of traditional printing since its establishment in 1992. CRON's mission is to bring sustained benefits to printing enterprises through creative design and excellent manufacturer processes.

Now, CRON employs a top-quality scientific research team with a high level of advanced technological experience in international applications and the ability for independent innovation. The team has obtained almost one hundred patents.

With more than 20 years innovation and development, CRON became the first company to draft the national standard for CTP. CRON is also the only certified CTP training center in China. As a leader in the global CTP field, CRON has the largest CTP production base in the world, with an annual capacity of more than 1000 units. To date, CRON has installed more than 7000 units across the globe and supplied products and services to almost one hundred countries and regions.

CRON insists on the purpose of "take the scientific and technological innovation as the driving force, take the quality of survival, make progress every day" from the beginning to the end. CRON improves its product system and forms the four core product lines, which are offset CTP system, HDI flexo CTP, Emerald environmentally friendly plate, and EZC intelligent printing system, to meet the requests of industry 4.0.

From Germany to the USA and Malaysia, CRON has opened branch offices around the world and, at the same time, extended its R&D and production base, service, and parts bases. CRON has earned praise from worldwide users and brought new power to the promotion of the printing industry.

CRON will stay true to its mission, hold its belief, and move diligently ahead.

GLOBALIZATION OF CRON

CRON-EUROPE
CRON Hong Kong
CRON ASIA
CRON-ECRM
CRON

Hangzhou CRON Machinery & Electronics Co., Ltd. - CTP and other related equipment
Jimu - eco-friendly CTP Plates | CRON intelligent technology - researching printing technology
CRON Europe | CRON-ECRM | CRON Graphics (Malaysia)
CRON Hong Kong | CRON Shenzhen | CRON Beijing

Extraordinary CTP

With 20-years of offset equipment manufacturing experience, CRON has created an extraordinary CTP by adopting innovative technology, unique design and high quality craftsmanship.

Class leading drum surface flatness
The high precision drum has a surfaceflatness that is accurate to within 5µm, producing pin sharp focus and a perfectimage.

V-shape guide rail
Classical V-shape guide rail is durable, the unique intelligent auto lubricant system makes the maintenance easy, stable, and the dot more accurate.

Digital control
The whole set of machine adopting digital control system contributes to higher accuracy and easier upgrade.
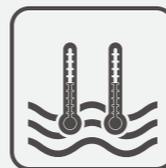
Online punching
Reduces the need for registration on press. With the accuracy of the start of imaging and precision internal punching, we maximize the accuracy and reduce registration issues on press.

Drum anti-air/vacuum-leakage
The patented technology-anti-air-leak drum makes sure the pressure is maintained, plates exchange is easierwith better efficiency.
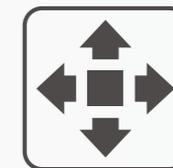
Constant temperature double cooling system
The Laser box temperature is kept constant and stable by using a combination of liquid and air cooling. This ensures that the laser box maintains temperature to an accuracy of ± 0.5ºC. As a result, laser lifetime is extended, stable laser power is maintained andhighest quality dot reproduction is assured.

Big volume cassette
CRON's autoloader options include a 200 or 500 plate cassette with automatic paper removal for high volume users. Additional laser guides and centering plate guides ensure that plates are accurately positioned for maximum efficiency.

Multi-direction plate feeding
The online punch bridge affords plate movement in any one 4 directions. It is easy to set up and can even be configured for a multiple CTP network.

Triple dynamic drum balance
The patented triple dynamic balancing drum technology allows the drum to load plates at any thickness, any formation and any material.

SMFO Laser technology
The laser imaging system uses SMFO technology allowing increased output resolution and image quality. Individual lasers can be changed or moved so that the cost of laser maintenance is greatly reduced.

Multi-cassette
The 3 or 5 cassette autoloaders allow multiple plate sizes on-line for unattended operation. Programmable paper/plate suction cups and air blasts allow the use of a mix of plate types and formats. Interleaf paper removal is efficient and reliable.

Dedusting system
A highly efficient de-dusting vacuum pump helps to remove plate ablation dust and reduces the affect of dust on the laser system, helping to reduce maintenance.

Linear magnetic drive scanning
State-of-the art linear magnetic drive scanning system promises high speed high resolution, zero friction and maintenance free. which allows the motion control more accurate, results for the imaged plate better.

Side-gauge 3 point positioning system
Patented side gauge three point positioning technology allows image-to-plate positioning accuracy to within 0.01 mm. giving trouble-free registration on press.

Automatic plate and slip separating technology
The unique plate and slip-sheet separation technology works with any plate format. Programmable sensors together with programmable air and vacuum control allows it to operate with a wide range of plates and interleaf paper.

Laboo remote service
The Laboo system which controls the CTP support remote internet service from local dealer engineers or from any CRON office around the world, so that remote diagnostics are available anywhere, anytime.

CRON CTP
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The CRON H model CTP keeps the advantages of traditional technology; integrated automatic loading, quality imaging, onlinepunching and other functions in one package. It is simple, stable, refined and efficient. The H model has been created for "intelligent printing" and is the first choice for high quality printers, 3D and security printing.

Models

26H | 36H | 46H

60H | 72H

Autoloader

The new H model series uses a new integrated version of the loader system with a standard 50/100 plate automatic loader. it can be upgraded to a 200/500 plate or multi cassette version at a later date. The innovative side gauge and nozzle design together with a straight plate path makes loading easier and smoother. Automatic paper removal and plate loading not only greatly improve efficiency, but also effectively reduce labor costs.

Optional built-in on-line punching

The built-in on-line punch is accurate to within 0.01mm allowing registrationon press with out adjustment. Punch debris is automatically removed to avoid any damage to the drum.

Highly integrated CTP system

It is a fully automatic 3-in-1 system incorporating plate loading, imaging and punching. Compared with similar products, it can save an amazing one third of the space. The simple and refined design is a guarantee of stable quality.

Product Features

Class leading drum surface flatness	Triple dynamic drum balance	Drum anti-air /vacuum-leakage	Digital control	Linear magnetic drive scanning
High volume cassette	Multi-cassette	Automatic plate and slip separating technology	Online punching	LaBoo remote service
V-shape guide rail.	SMFO Laser technology	Constant temperature, double cooling system	Side-gauge 3 point positioning system	

RoHS

ISO 14001 CERTIFICATE

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CE

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TP-4696H

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H Series Commercial CTP Technical Specifications

Built-in 50/100 plate automatic loader

Laser type: Thermal or UV(only UV: X+ or I+)
Plate: Regular Plate / Eco-friendly Plate
Environment: 18 - 28℃, RH: 40% - 60% (non-condensing)

Resolution: 1800/2400/2540/2800 dpi (Expandable: 4800/5800/9600dpi - 46H Expandable: 10160dpi)
Plate thickness: 0.13 - 0.30 mm

36H Commercial Resolution Specification

Model	3632H	3648H	3664H	3696H
Plate	Max. 925×675 mm / Min. 240×240 mm			
Laser channel	32	48	64	96
Speed	25 p/h	33 p/h	40 p/h	48 p/h
	2400dpi / 745 mm			
Power supply	Single-phase AC 220V ±5% 50/60Hz Rated Power 5.6 kW			
Dimensions	L×W×H: 1065x1626x1070 mm			
Net weight	1150 kg			

46H Commercial Resolution Specification

Model	4648H	4664H	4672H	4696H	46128H
Plate	Max. 1163×940 mm / Min. 280×280 mm (Min 280x300 mm with punching function)				
Laser channel	48	64	72	96	128
Speed	24 p/h	29 p/h	32 p/h	39 p/h	47 p/h
	2400dpi / 1030 mm				
Power supply	Single-phase AC 220V ±5% 50/60Hz Rated Power 5.6 kW				
Dimensions	L×W×H: 1220×1900×1100 mm				
Net weight	1280 kg				

60H Commercial Resolution Specification

Model	6048H	6064H	6096H	Only UVP-60128H
Plate	Max. 1524×1200 mm / Min. 450×370 mm (Plate thickness: 0.13 ~0.40 mm)			
Laser channel	48	64	96	128
Speed	16 p/h	21 p/h	28 p/h	35 p/h
	2400dpi / 1200 mm			
Power supply	3-phase AC 380V ±5% 50/60 Hz Rated Power 6.6 KW			
Dimensions	L×W×H: 1300×2289×1173 mm			
Net weight	1650kg			

26H Commercial Resolution Specification

Model	2624H	2632H	2648H	2664H
Plate	Max. 670×570 mm / Min. 240×240 mm			
Laser channel	24	32	48	64
Speed	30 p/h	36 p/h	47 p/h	54 p/h
	2400dpi / 510 mm			
Power supply	Single-phase AC 220V ±5% 50/60Hz Rated Power 5.3 kW			
Dimensions	L×W×H: 1100×1400×1055 mm			
Net weight	815 kg			

72H Commercial Resolution Specification

Model	7248H	7264H	7296H	Only UVP-72128H
Plate	Max. 1850×1422 mm (Expandable:1860×1422 mm) / Min. 650×550 mm (Plate thickness: 0.13~0.40 mm）			
Laser channel	48	64	96	128
Speed	11 p/h	13 p/h	18 p/h	22 p/h
	2400dpi / 1620 mm			
Power supply	3-phase AC 380V ±5% 50/60Hz Rated Power 9 KW			
Dimensions	W×L×H: 2700×1350×975 mm			
Net weight	2500 kg			

The Classic Design – G+ Series CTP

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The updated G+ series CTP adheres to the traditional advantages of CRON CTP. Through technological innovation, it uses the advantages of automation, stability, and compatibility to the limit. The new generation G+ series CTP can totally satisfy customers requirements for a high quality dot and for stable, reliable and long-lasting operation. In addition to all of these features it is the most cost-effective CTP available today.

New plate loading and positioning system

The new side-gauge registration system allows smooth accurate movement of the plate at all times. A new independent pressure wheel structure allows the plate loading pressure to automatically adjust to the plate being used, giving smooth plate loading whatever the plate width.

New design of Drum and Dynamic Balance

Low maintenance cost as a result of precision balancing
No intervention required for the fully automatic balancing system

Environmentally friendly and energy saving vacuum system

A high flow vacuum system provides more even plate suction and saves more than 30% of the energy used previously.

Laser scanning system is maintenance-free

Automatic lubrication of the guide rail makes maintenance-free a reality. The linear magnetic drive is extremely precise, with superb stabilty and accuracy. No lead screw, no grease, no banding, no abrasion, no friction and no wear.

Higher resolution

New higher output resolutuon options are available. Resolutions of 4800dpi/5080dp9600dpi are now optional. These new additional resolutions meet the requirements of security printing and 3D printing.

Web remote operation

Web remote operation allows customers to view or operate their CRON CTP remotely. Remote data collection and analysis allows the service center to detect faults and make adjustments without the need to visit the site, saving time and cost.

Product Features

Class leading drum surface flatness	Triple dynamic drum balance	Drum anti-air /vacuum-leakage	Digital control	Linear magnetic drive scanning
V-shape guide rail	SMFO Laser technology	Constant temperature, double cooling system	Side-gauge 3 point positioning system	

RoHS

G+ Series CTP Technical Specifications

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Automatic plate loader is optional (MCL versions with 50 plates and SCL versions with 200 & 500 plates)
A built-in punching capability supports the installation of up to three sets of punch combinations (The gap between each punch unit should be no less than 100 mm). Optional dual head punch configurations can satisfy need for closer punch die spacing like a Komori & Heidelberg press combination. The optional integrated punching improves punching accuracy and productive efficiency

Laser type: Thermal or UV(only UV: X+ or I+)
Plate: Regular Plate / Eco-friendly Plate
Environment: 18 - 28℃, RH: 40% - 60% (non-condensing)

Resolution: 1800/2400/2540/2800dpi (Expandable: 4800/5800/9600dpi)
Plate thickness: 0.13 - 0.30 mm

26G+ Commercial Resolution Specification

Model	2624G+	2632G+	2648G+	2664G+
Plate	Max. 670×570 mm / Min. 240×240 mm			
Laser channel	24	32	48	64
Speed	30 p/h	36 p/h	47 p/h	54 p/h
	2400dpi / 510 mm			
Power supply	Single-phase AC 220V ±5% 50/60Hz Rated Power 4.2 kW			
Dimensions	L×W×H: 910×1400×1080 mm			
Net weight	800 kg			

36G+ Commercial Resolution Specification

Model	3632G+	3648G+	3664G+	3696G+
Plate	Max. 925×675 mm / Min. 240×240 mm			
Laser channel	32	48	64	96
Speed	25 p/h	33 p/h	40 p/h	51 p/h
	2400dpi / 745mm			
Power supply	Single-phase AC 220V ±5% 50/60Hz Rated Power 4.5 kW			
Dimensions	L×W×H: 930×1650×1070 mm			
Net weight	1080 kg			

46G+ Commercial Resolution Specification

Model	4648G+	4664G+	4672G+	4696G+	46128G+
Plate	Max. 1163×940 mm / Min. 280×280 mm				
Laser channel	48	64	72	96	128
Speed	24 p/h	29 p/h	32 p/h	39 p/h	47 p/h
	2400dpi / 1030 mm				
Powersupply	Single-phase AC 220V ±5% 50/60Hz Rated Power 4.5 kW				
Dimensions	L×W×H: 1100×1900×1150 mm				
Net weight	1260 kg				

60G+ Commercial Resolution Specification

Model	6048G+	6064G+	6096G+	Only UVP-60128G+
Plate	Max. 1524×1200 mm / Min. 450×370 mm		(Plate thickness: 0.13 ~ 0.40 mm)	
Laser channel	48	64	96	128
Speed	16 p/h	21 p/h	28 p/h	35 p/h
	2400dpi / 1200 mm			
Power supply	3-phase AC 380V ±5% 50/60Hz Rated Power 5.3 KW			
Dimensions	L×W×H: 1150×2300×1180 mm			
Net weight	1630 kg			

72G+ Commercial Resolution Specification

Model	7248G+	7264G+	7296G+	Only UVP-72128G+
Plate	Max. 1850×1422 mm (Expandable:1860×1422 mm) / Min. 650×550 mm (Plate thickness: 0.13 ~ 0.40 mm)			
Laser channel	48	64	96	128
Speed	11 p/h	13 p/h	18 p/h	22 p/h
	2400dpi / 1620 mm			
Power supply	3-phase AC 380V ±5% 50/60Hz Rated Power 8 KW			
Dimensions	W×L×H: 2700×1200×975 mm			
Net weight	2450kg			

G+ Series Newspaper & Commercial Dual−purpose Specifications

CRON newspaper CTP is a classic in the field of high speed offset plate making. The maximum speed of 70 plates/hour allows Newspapers to meet their deadlines while still being able to achieve the quality and stability expected from a CRON CTP.
CRON Dual-purpose CTP's are able to meet the quality requirements of both Newspaper and Commercial applications which is a number one consideration for Newspapers with Commercial requirements or Newspapers who print magazines and inserts.

The Automatic plate loader is optional (MCL versions with 50 plates and SCL versions with 200 & 500 plates).
A built-in punching capability supports the installation of up to three sets of punch combinations (The gap between each punch unit should be no less than 100 mm). Optional dual head punch configurations can satisfy need for closer punch die spacing like a Komori & Heidelberg press combination.

Laser type: Thermal or UV(only UV: X+ or I+)

Dual-purpose resolution: 1500/1800/2400/2540dpi   Expandable: 1200dpi

Newspaper and Thermal free chemistry newspaper resolution: 1200 or (1270)dpi
Expandable: 1500/1800dpi

Environment: 18 - 28℃, RH: 40% - 60% (non-condensing)

Plate: Regular Plate / Eco-friendly Plate

Plate thickness: 0.13-0.30 mm

36G+ Newspaper and Dual-purpose Specifications

■ Newspaper ■ Thermal free chemistry newspaper ■ Dual-purpose

Model	3632G+	3648G+	3664G+	3696G+
Plate	Max. 925×675 mm / Min. 240×240 mm			
Laser channel	32	48	64	96
Speed	40 | 35 | 25	51 | 45 | 33	59 | 53 | 40	70 | 64 | 51
		1200dpi / 745 mm | 1500dpi / 745 mm | 2400dpi / 745 mm		
Power supply	Single-phase AC 220V ±5% 50/60Hz Rated Power 4.5 kW			
Dimensions	L×W×H: 930×1650×1070 mm			
Net weight	1080 kg			

46G+ Newspaper and Dual-purpose Specifications

■ Newspaper ■ Thermal free chemistry newspaper ■ Dual-purpose

Model	4648G+	4664G+	4672G+	4696G+	46128G+
Plate	Max. 1163×940 mm / Min. 280×280 mm				
Laser channel	48	64	72	96	128
Speed	50 | 44 | 32		58 | 51 | 39		65 | 59 | 47
		1200dpi / 1030 mm | 1500dpi / 1030 mm | 2400dpi / 1030 mm			
Power supply	Single-phase AC 220V ±5% 50/60Hz Rated Power 4.5 kW				
Dimensions	L×W×H: 1100×1900×1150 mm				
Net weight	1260 kg				

G+ Series Accessory Equipments

Autoloader

CRON AL series auto loader achieves plate de-leafing and platefeeding automatically. Single or multi-cassette auto loaders areoptional Once plates are loaded the maximum capacity of 500 plates allows all day unattended operation of the CTP.

Multi auto loader allows up to 5 different formats of plates. Multi-plate cassettes switch automatically for different plate formats, which satisfies different plate feeding requirements. CRON AL series auto loader greatly helps the level of automation, decreasing plate waste and saving on labor cost.

Online Punching Bridge

CRON BGP series online punching bridge is exclusive to CRON and brings with it great system flexibility. Equipped with a unique precision side gauge rail, the BGP produces repeatable punching accuracy to within10um, which ensures precise punching position and no registration problems. Several sets of punches may be incorporated to cater for different press format and punch configurations.

By connecting with other CRON online punch bridges, a network of different plate types, plate formats, plate processors and punch systems may be realized.

Model	AL26-200N(H)	AL26-50M3(H)	AL36-200N(H)	AL36-500(H)	AL36-50M3(H)
Cassettes	1	3	1	1	3
Max. plate storage per cassette	200	50	200	500	50
Max. plate storage	200	150	200	500	150
Air pressure	<-20KPa, -25KPa, -30KPa (paper suction)				
Air pressure	-70±2KPa (plate suction)				
Air pressure	0.3MPa (paper removal)				
Max. plate size (mm)	670×570	670×570	925×675	925×675	925×675
Min. plate size (mm)	240×240	240×240	240×240	240×240	240×240

Model	AL46-200N(H)	AL46-500(H)	AL46-50M3(H)	AL46-50M5(H)	AL46-50M3L(H)	AL46-50M5L(H)	AL72-100(H)
Cassettes	1	1	3	5	3	5	1
Max. plate storage per cassette	200	500	50	50	50	50	100
Max. plate storage	200	500	150	250	150	250	100
Air pressure	<-20KPa, -25KPa, -30KPa (paper suction)						
Air pressure	-70±2KPa (plate suction)						
Air pressure	0.3MPa (paper removal)						
Max. plate size (mm)	1160×940	1160×940	1160×825	1160×825	1163×940	1163×940	1850×1422
Min. plate size (mm)	280×280	280×280	280×280	280×280	280×280	280×280	650×550

Model	BGP-36-D4	BGP-46-D4	BGP-72-D4	BG-26-D4	BG-36-D4	BG-46-D4	BG-72-D4
Reapt positioning accuracy	0.01 mm			0.01 mm			
Air supply mode	Air supply by external pump (>0.3 MPa)			Bulit-in air supply (>0.3 MPa)			
Plate output direction	4 directions			4 directions			
Punching die standard	BACHER punching system customer request			not available			
Punching mode	Pneumatic punching			not available			
Control mode	Online 4 - direction control			Online 4 - direction control			
Plate thickness	0.13 - 0.40 mm			0.13 - 0.40 mm			
Power supply	Single-phase AC 220±5% 50/60Hz			Single-phase AC 220±5% 50/60Hz			
Rated power	800 W			800 W			
Environment requirement	Environment: 18 ~ 30℃ RH: 40%~60%(non-condensing)			Environment: 18 ~ 30℃ RH: 40%~60%(non-condensing)			
Software support	LaBoo 5.X			LaBoo 5.X			
Net weight	180 kg	200 kg	230 kg	280 kg	180 kg	200 kg	230 kg	280 kg

Model	26 Series BGP	36 Series BGP	46 Series BGP	72 Series BGP
Punch dies quantity	1~3 (the gap between each punch unit should be no less than 100mm)			
Max. plate size (mm)	670×570	925×675	1160×940	1850×1422
Min. plate size (mm)	240×240	240×240	280×280	650×550
Dimension (mm)	1500×950×1050	1800×1170×1050	2050×1420×1050	2415×2050x1200

BLACK WOOD

BLACKWOOD

The Leading Environmental-friendly Concept. The Leader with Environmentally-friendly Concepts.
Hangzhou CRON Machinery & Electronics Co, Ltd., the manufacturer of Blackwood plates, always pays close attention to environment-friendly concepts and focuses on the R&D of environmental-friendly plates. We have advanced production technology. Environmental-friendly UV CTP and thermal CTP have been developed successfully. The CRON company has taken a firm step on the environmental-friendly transition.

QUALITY ASSURANCE

The new low chemistry UV plate is unique. It minimizes the consumption of chemicals and water for UV exposed plates. With a simple wash out bath, plates are press-ready in seconds and exhibit exacting dot reproduction, from-1-98%, for either stochastic creening (20 micron) or conventional screening up to 200 lpi, Run length is up to 50,000 without baking (20,000 for UV ink). The developing solution of this "wash out" bath is non-toxic and non-corrosive.
The new process-less Thermal plate is compatible with all thermal platesetters and requires no processing or post-imaging wash out, Mounted directly on the press after imaging, it delivers exceptional printing characteristics with a 1-99% tonal range in both conventional (200 lpi) and stochastic screening (20 micron), fast run up, minimum dampening solution and a low carbon footprint. Run length is up to 150,000 without baking, which will be launched in 2019.

Model	Emerald UV	Emerald TP
Thickness	0.15-0.4 mm	0.15-0.4 mm
Exposure Energy	40mj/cm^2 , UV 405 nm	120mj/cm^2 , TP 810~830 nm
Resolution	1-98% / 300 lpi	1-99% / 350 lpi
Run Length	>50,000 impressions※	>150,000 impressions※
Shelf Life	12 months	12 months
Safe Light	2~4 hours	4 hours
Surface Plate	light blue color	light gray color

※unbaked with normal inks

BLACKWOOD

HUV Plate

UV plate uses fine aluminum base with complex grain and dense oxidized layer as its substrate is processed with a special method. It ensures adhesive thermal coating on aluminum surface and makes plate processing excellent for run length and accurate dot reproduction to guarantee high quality printing.

Plate Style	HUV-PXX Digital Printing Plate	HUV-PXXX Digital Printing Plate	HUV-U UV ink Printing Plate
Spectral Sensitivity	405 nm	405 nm	405 nm
Thickness	0.15 ~ 0.40 mm	0.15 ~ 0.40 mm	0.15 ~ 0.40 mm
Exposure Energy	35 ~ 40 mj/cm^2	40 ~ 45 mj/cm^2	30 ~ 35 mj/cm^2
Resoulution	1 ~ 99% / 400 lpi	1 ~ 99% / 400 lpi	1 ~ 99% / 400 lpi
Run Length	>100,000	>100,000	>150,000
Developer	HUV-PM Developer	HUV-PM Developer	HUV-PM Developer
Developing Temperature	25 ± 1℃	25 ± 1℃	25 ± 1℃
Developing Time	20 ~ 30s	20 ~ 30s	20 ~ 30s
Storage Conditions	Temperature 5~30℃, Humidity 40~80%	Temperature 5~30℃, Humidity 40~80%	Temperature 5~30℃, Humidity 40~80%
Shelf Life	18 months	18 months	18 months
Application Type	Commercial, Packaging Printing	Newspaper, Publication, Printing	Newspaper, UV ink printing

※NOTE: Run length will be affected by press, ink and paper conditions.

HTP thermal printing plate

HTP Digital Plate has high sensitivity characteristic, strong adaption ability, stability and quality.
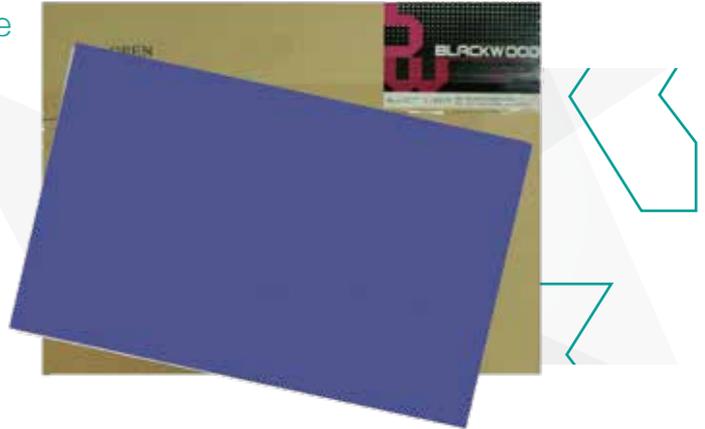Adequate to use for exquisite commercial & newspaper printing.

Plate Style	HTP-I Thermal Ctp Plate	HTP-H Thermal Ctp Plate	HTP-HR Thermal UV ink Printing Plate
Spectral Sensitivity	830 nm	830 nm	830 nm
Thickness	0.15 ~ 0.40 mm	0.15 ~ 0.40 mm	0.15 ~ 0.40 mm
Exposure Energy	120 ~ 140 mj/cm^2	110 ~ 130 mj/cm^2	100 ~ 120 mj/cm^2
Resoulution	1~99% / 400 lpi	1~99% / 400 lpi	1 ~ 99% / 400 lpi
Run Length	>100,000	>100,000	>100,000
Developer	DP-M	DP-M	DP-M
Developing Temperature	24±1℃	24 ± 1℃	24±1℃
Developing Time	25~35s	25~35s	20~30s
Storage Conditions	Temperature 5~30℃, Humidity 40~80%	Temperature 5~30℃, Humidity 40~80%	Temperature 5~30℃, Humidity 40~80%
Shelf Life	18 months	18 months	18 months
Application Type	Commercial, Packaging and newspaper Printing	Commercial, Packaging and newspaper Printing	Commercial, Packaging and UV ink Printing

※NOTE: Run length will be affected by press, ink and paper conditions.

Perfect Service System

As well as the regional parts centers we have built a global 24*7 hours service system, allowing users to enjoy professional, timely and attentive service.

Parts stock in
different regions

Online customer service
over the world

Elite engineering team

7×24h nonstop

24/7 customer service

Helpdesk

CRON set up its internet-based Helpdesk in 2015. More than 300 CRON engineers now serve customers with real-time support via CRON Headquarters.

Field service engineers

More than 300 engineers around the world provide efficient service for all clients.

Parts centers in Europe & North America

CRON has recently set up regional parts centers so that our customers are able to obtain key components within 24 hours.