CRON CTP

Simplicity | Stability | Integrity

HANGZHOU CRON MACHINERY & ELECTRONICS CO., LTD.

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Hangzhou CRON Machinery & Electronics Co., Ltd.

Hangzhou CRON Machinery & Electronics Co., Ltd. is the largest CTP manufacturer in China and national level of high-technology company. CRON dedicates in R&D, manufacturing and printing technology service and is the only manufacturer with technology is capable to produce thermal, UV, violet laser, flexo, iron-printing purpose and VLF CTP products for packaging. CRON established a world-class professional R&D team holding advanced technology and own patents that supports products improvements. CRON obtains more than 20 national accreditations and technology patents and is considered as the leader of CTP industry in China.

CRON develops specific technology for its CTP products with world' s advanced technical edge, including Magnetic Linear Drive, high stability drum system, unique dual-balance, multi-resolution imaging optical system, fully automatic CTP network feature and high accuracy laser control patent for flexo imaging.

CRON products were sold in over 70 countries with total Installation reaches 3000 all around the world based on company' s motto: simplicity stability and integrity. CRON also builds up its own global service network for offering the best CTP products and services all around the world.

CRON Europe

CRON Europe was founded in 2013 with CTP assembling line and spare parts storage to offer high quality CRON CTP products with rigorous German standard and more convenient and timely service within Europe, Russia, Middle East and Africa.

CRON-ECRM

CRON unites world' s famous CTP manufacturing company, ECRM, to found a joint-venture company as one of CRON' s global R&D centers to create more advanced technologies for CTP industry.

CRON Graphics (Malaysia)

CRON Graphics (Malaysia) was established in 2014 as one of CRON' s international service companies. The company dedicates to offer CTP technical service in South-East Asia and Color Management standardization service and building up CRON global service network.

Zhejiang JIMU

From 2015, JIMU begins to produce the "BLACKWOOD" CTP digital plate(UV & Thermal plates) with its automatic and high speed production line and its annual output capability of 20 million square meters for growing plate business in international market.

CRON CTP

World' s most stable CTP platesetter built-up by CRON' s most advanced technology ensures your lowest production cost, highest production efficiency, best imaging quality and longest machine lifetime to win the competition and become a top leader in the industry.

Autoloader

CRON autoloader series enables automatic plate loading and paper separation with options of single cassette and multi-cassette. Maximum loads of single cassette can reach 500 plates to ensure easy one-go in whole day operation. Multi-cassette autoloader can be loaded with maximum 5 sizes of plates within one time and system will automatically change the cassette to satisfy requirement of several plates sizes of press machines. With increasing of labor cost condition, CRON fully automatic autoloader helps printing companies to realize manpower-free production line and reduce labor cost, increase production efficiency, decrease plate wastes.

BGP

Cron BGP Online Punching Bridge is World' s sole external online punching device,with greatly production flexibility.BGP equipped with same high precise side gauge with CTP which repeated positioning accuracy is 10 micron,ensuring precisely punching position,-no need to register in printer to save printing time.Multiple punch set is available,satisfying for different size printers punching requirement.Four plate sending direction utilize space rationally.Available to match small size processor to save costs,or build up network system with other BGPs.Cron BGP Online Punching Bridge make big difference to Convention Digital Printing(CDP)

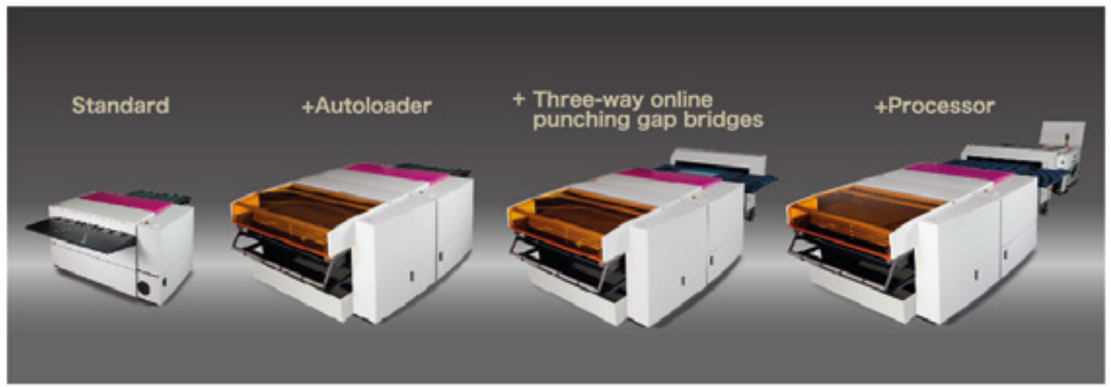
CRD

CRON's patent: CRD digital processing system, real-time dynamic monitoring of developing fluid condition, and combined with the developing fluid temperature, plate quantity, duration time and other factors, make intelligent analysis on developing ability and automatic replenishment.

- Ensure stability of processing fluid
- Ensure precisely restore of dots
- Improve production efficiency
- Reduce plates waste
- Empty-barrel alarm model
- automatically calculate the complementary quantity and make supplementation

ROI maximized based on module structure

To offer customer with highest return on investment (ROI), CRON CTP system is equipped with module structure technology as every process of production line can be upgraded from manual mode to automatic mode easily. CRON automatic CTP production line is composed by autoloader, CTP platesetter, online punch bridge, processor, CRD and automatic stacker. With CRONY workflow, the production enables manpower-free condition in workshop to save labor cost and better dots quality. Additionally CDP technology offered by CRON professional color management team, which is specific designed and tested for your press machine, digitalized the entire production process. Operator can experience the amazing result from image file to print-finished paper with just one press on the button.
CRON always dedicates to offer fully automatic, low cost, high efficiency, waste-free and high return to all of our clients.



The highest quality, the least effort

By providing a modular upgrade capability, CRON can help you save manpower in the production process. The Autoloader options provide bulk load cassettes with 200 or 500 plate capacity and auto separation of interleaf paper and plate. The 3 cassette Autoloader can automatically load 3 different sizes of plate, each cassette with a capacity of 50 plates. With the 3 or 4 direction online punching bridges and unique punch hole positioning technology, high accuracy punching is guaranteed reducing press make-ready times and paper waste. The plate processor, when equipped with a CRON CRD intelligent plate processing control system guarantees chemistry stability which means that chemistry changes, even when processing high plate volumes are reduced significantly.

CRON' s range of options can be combined and upgraded in many different ways. The range of Autoloaders, Punch-Bridges and other options with varying specifications can be combined into one harmonious system enabling one person to control the whole process including plate processing, both conventional and chemistry free. As a result you will be surprised to find that labor costs and plate wastage are reduced significantly and image quality on plate is improved! All of this made possible by a modular CTP system that can be customized to your specific needs allowing rapid production of finished plates from plate pack to stacker. Reduced costs and increased quality improve your competitive edge and help you to grow your business.

Innovations such as the water-cooled laser system have helped to greatly extend the life of CRON CTP systems. In addition CRON' s LaBoo CTP control software simplifies the complete management of plate production. LaBoo is easy to use, simple to understand and has an intuitive user-interface enabling operators to see real time display of plate production. Complete control of the plate making process including control of the network and plate making process through to printing on press is essential. Fully automatic plate production with unattended operation is made possible with the latest CRON LaBoo software.

CRON is dedicated to providing high quality products with high levels of technical innovation for its many users. After many years of research and development by its dedicated team CRON CTP is able to realize amazingly fast plate production with resolutions up to 3600 dpi. With its technical advantage and original CDP integrated systems CRON is able to bring you into a more magnificent, colorful world.

The most valuable CTP system in the world

Simplicity

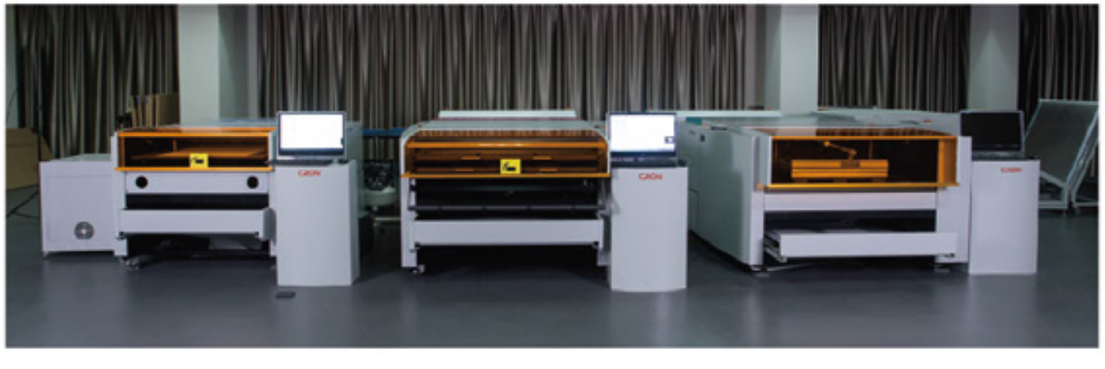
Delicate design to build up the most compact footprint CTP system in the world;
Fully automatic CTP system allows man-free for job operations and save labor costs;
Easy operation with user-friendly function and features;
Tank-separate technology offers pumper-free, silent and safe work environment;
Multi-cassette autoloader saves plate stacking time consumption.

Stability

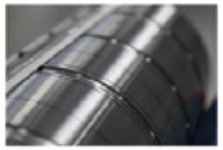
Patented triple-dynamic-balance drum system ensures stable drum rotating and imaging quality;
Maintenance-free Magnetic Linear Drive system creates high accurate scanning resolution;
High quality laser diodes and electronic control system ensures better life-time;
Paper and paper detection technology equipped on autoloader creates stable job operation;
V-shape guild rail is wear-free and very long life-time.

Integrity

Self creation and development on own Patent and accreditations;
International certified products quality;
Self R&D and manufacturing of core components to ensure production quality control;
Planeness of drum is the top of world' s class with high repeating accuracy;
International standard service team to offer worldwide effective and professional after-sale service and support;
"Cloud Service" remote diagnostics feature helps clients to solve urgent issues.

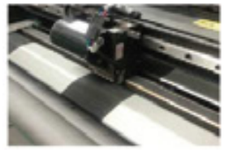


High technology creates high value



Drum surface flatness of 5μm

Ensures laser imaging accuracy and dots shape



New upgraded side-gauge system (Patent)

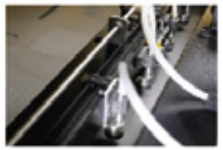
Special 3-point positioning plate loading system is based on touch-free and optical sensor technology to ensure 10um accuracy of repeat with wide range of acceptance of plate-edge cut condition.

Constant Temperature with water-coolant laser system (G model)

Stable laser diodes quality and long lifetime
Save cost and expenses

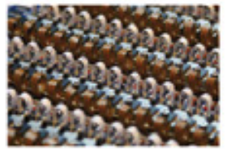
Digital control

Digitalized motor with mechanism transmission system Accurate, stable and maintenance-free of lifetime



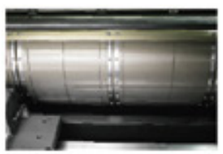
Automatic separation of plates & paper

Optional multi suction pressure suitable for wide range of categories of plates and papers



High power and multi-resolution laser system

High power laser diodes ensure long lifetime of imaging system and to satisfy variable needs of clients in market by offering multi resolution options: 1200DPI - 3600DPI.



Drum Anti-air-leak (patent)

auto pressure interchange to ensure vacuum pressure of drum tank slient and safe work environment with air-compressor-free

V-shape high accuracy guide rail (patent)

V-shape to ensure wear-free
High stable laser imaging quality

Linear Magnetic Drive Scanning (patent)

High speed with 0.01um movement control accuracy and wear-free; Maintenance-free as a revolutionary technology compares to leas screw

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Online imaging system

Optional front & Back output online structure directly convey to processor to save labor costs

CRON CTP model specifications

model UVP 66/72" Laser Wavelength 405nm
Optional G Laser Type X+ I+
Plate UV-plate Laser Power onto plate X+: 75mw I+: 90mw

Model	6648	6664	6696	7248	7264	7296
Resolution	2400/2540/2800dpi(option 3000/3600dpi")					
Channels	48	64	96	48	64	96
Production Capacity	11	14	20	10	15	18
	2400dpi / 1620mm			2400dpi / 1850mm		
Plate	MAX1670×1290mm / MIN650×550mm (66") MAX1850×1422mm / MIN650×550mm (72")					
Dimensions	1500×2700×1200mm					
Power	3-phase AC 380V 50/60Hz					

Water-coolant laser system LMD Scanning
Air-coolant purify system Vacuum System
V-shape Guid Rail Repeat Accuracy: 0.01mm

model UVP 46" Laser Wavelength 405nm
Optional F/G Laser Type X+ I+
Plate UV-plate Laser Power onto plate X+: 75mw I+: 90mw

Model	4616	4624	4632	4648	4664	4696	46128Fl+
Resolution	2400/2540/2800dpi(option 3000/3600dpi")						
Channels	16	24	32	48	64	96	128
Production Capacity	9	13	17	23	29	38	47
	2400dpi / 1030mm						
Plate	MAX1160×940mm / MIN450×370mm						
Dimensions	1140×1895×1070mm						
Power	1-phase AC 220V 50/60Hz						

Water-coolant laser system LMD Scanning
Air-coolant purify system Vacuum System
V-shape Guid Rail Repeat Accuracy: 0.01mm

model UVP 36" Laser Wavelength 405nm
Optional F/G Laser Type X+ I+
Plate UV-plate Laser Power onto plate X+: 75mw I+: 90mw

Model	3616	3624	3632	3648	3664	3696
Resolution	2400/2540/2800dpi(option 3000/3600dpi")					
Channels	16	24	32	48	64	96
Production Capacity	14	20	26	35	43	55
	2400dpi / 745mm					
Plate	MAX925×675mm / MIN320×240mm					
Dimensions	860×1625×1065mm					
Power	1-phase AC 220V 50/60Hz					

Water-coolant laser system LMD Scanning
Air-coolant purify system Vacuum System
V-shape Guid Rail Repeat Accuracy: 0.01mm

model UVP 26" Laser Wavelength 405nm
Optional F Laser Type X+ I+
Plate UV-plate Laser Power onto plate X+: 75mw I+: 90mw

Model	2616	2624	2632	2648
Resolution	2400/2540/2800dpi(option 3000/3600dpi")			
Channels	16	24	32	48
Production Capacity	19	27	34	45
	2400dpi / 650mm			
Plate	MAX670×560mm / MIN320×240mm			
Dimensions	975×1375×1065mm			
Power	1-phase AC 220V 50/60Hz			

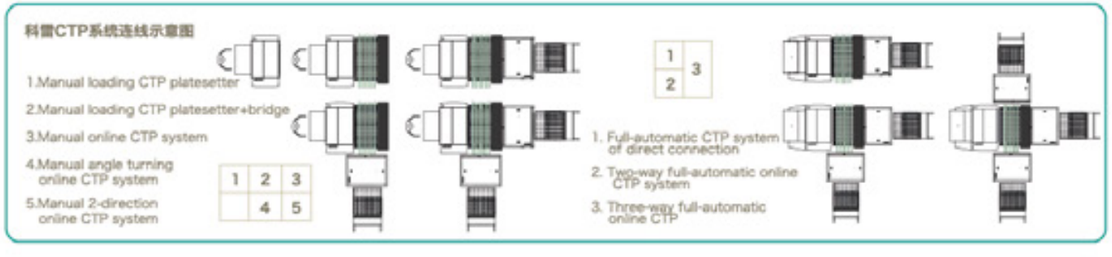
Water-coolant laser system LMD Scanning
Air-coolant purify system Vacuum System
V-shape Guid Rail Repeat Accuracy: 0.01mm

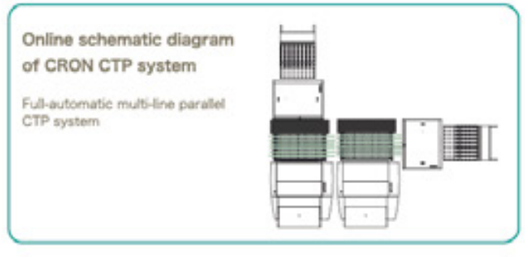
model TP 66/72" Laser Wavelength 830nm
Optional G Laser Type 830 IR
Plate Thermal/Chem-free Laser Power onto plate 400mw

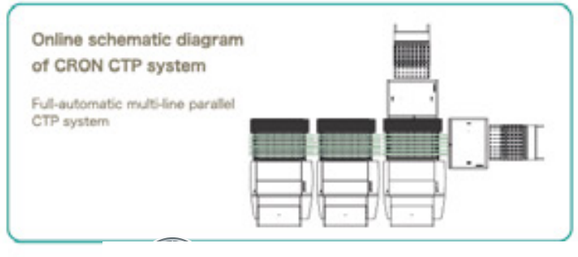
model TP 46" Laser Wavelength 830nm
Optional F/G Laser Type 830 IR
Plate Thermal/Chem-free Laser Power onto plate 400mw

model TP 36" Laser Wavelength 830nm
Optional F/G Laser Type 830 IR
Plate Thermal/Chem-free Laser Power onto plate 380mw

model TP 26" Laser Wavelength 830nm
Optional F Laser Type 830 IR
Plate Thermal/Chem-free Laser Power onto plate 350mw







Newspaper and Dual-purpose

model UVP 46" Laser Wavelength 405nm
Optional F/G Laser Type X+ I+
Plate UV-plate Laser Power onto plate X+: 75mw
I+: 90mw

Model	4616	4624	4632	4648	4664	4696
Resolution	1500/1800/2400 dpi newspaper & dual-purpose					
Channels	16	24	32	48	64	96
Production Capacity	17	24	30	39	47	58
	1800dpi / 880mm					
Plate	MAX1160×940mm / MIN450×370mm					
Dimensions	1140×1895×1070mm					
Power	1-phase AC 220V 50/60Hz					

Water-coolant laser system LMD Scanning
Air-coolant purify system Vacuum System
V-shape Guid Rail Repeat Accuracy: 0.01mm

model UVP 36" Laser Wavelength 405nm
Optional F/G Laser Type X+ I+
Plate UV-plate Laser Power onto plate X+: 75mw
I+: 90mw

Model	3616	3624	3632	3648	3664	3696
Resolution	1500/1800/2400 dpi newspaper & dual-purpose 1200/1500/1800 dpi newspaper					
Channels	16	24	32	48	64	96
Production Capacity	19 | 23	27 | 32	34 | 39	44 | 51	53 | 60	66 | 73
	1500dpi / 800mm | 1200dpi / 800mm					
Plate	MAX925×675mm / MIN320×240mm					
Dimensions	860×1625×1065mm					
Power	1-phase AC 220V 50/60Hz					

Water-coolant laser system LMD Scanning
Air-coolant purify system Vacuum System
V-shape Guid Rail Repeat Accuracy: 0.01mm

model TP 46" Laser Wavelength 830nm
Optional F/G Laser Type 830 IR
Plate Thermal/Chem-free Laser Power onto plate 400mw

model TP 36" Laser Wavelength 830nm
Optional F/G Laser Type 830 IR
Plate Thermal/Chem-free Laser Power onto plate 400mw

56" MODEL specific for metal-print

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CRON 56" CTP is specially designed and the only one for metal printing in the world with maximum plate size is 1200*1200mm. The match of drum and plate size can increase the laser scanning efficiency and save the machine cost. Clients are benefited from this model by lower cost but better imaging quality.

model UVP 56" Laser Wavelength 405nm
Optional F/G Laser Type X+ I+
Plate UV-plate Laser Power onto plate X+: 75mw
I+: 90mw

Model	5616	5624	5632	5648	5664	5696	56128(UV)
Resolution	2400/2540/2800dpi(option 3000/3600dpi*)						
Channels	16	24	32	48	64	96	128(UV)
Production Capacity	6	9	12	17	22	30	37
	2400dpi / 1200mm						
Plate	MAX 1200 X 1200mm / MIN 450 X 370mm						
Dimensions	1180×1942×1172mm						
Power	1-phase AC 220V 50/60Hz						

Water-coolant laser system V-shape Guid Rail Vacuum System
Air-coolant purify system LMD Scanning Repeat Accuracy: 0.01mm

model TP 56" Laser Wavelength 830nm
Optional F/G Laser Type 830 IR
Plate Thermal/Chem-free Laser Power onto plate 400mw

Autoloader

Cron AL Auto loader achieve plate automatically feeding in plate making process.Single or Multiple Cassettes loader options.Single Cassette Auto loader max-plate volume could reach 500 sheets; Multiple Cassettes Auto loader support max-5 different size of plates put in at same time.Switching cassettes automatically,satisfying different size printers plate requirement.Cron AL serial Auto loader increase company production automation and efficiency,achieving full-automatic plate making process,decreasing plate consumed,saving labor costs.

※ available soon

Model	AL66/72-100	※ AL66/72-50M2	AL46-200	AL46-50M3	AL46-50M5	AL46-500
Cassettes	1	2	1	3	5	1
Max. loading QTY per CS	100	50	200	50	50	500
Max. loading QTY	100	100	200	150	250	500
Air pressure (Paper Suction)	-12±2KPa		-10±2KPa、-20±2KPa、-30±2KPa			
Air pressure (Plate Suction)	-70±3 KPa		-70±3 KPa			
Air pressure (paper Removing)	0.3 MPa		0.3 MPa			
Plate specifications	1850 mm X 1422 mm | 650 mm X 550 mm		1160 mm X 940 mm | 450 mm X 370 mm			
Types of Plate	UV | TP		UV | TP			

Model	AL36-200	AL36-50M3	※ AL36-50M5	※ AL36-500	AL26-200	AL26-50M3
Cassettes	1	3	5	1	1	3
Max. loading QTY per CS	200	50	50	500	100	50
Max. loading QTY	200	150	250	500	200	150
Air pressure (Paper Suction)	-10±2KPa、-20±2KPa、-30±2KPa				-12±2KPa	
Air pressure (Plate Suction)	-70±3 KPa				-70±3 KPa	
Air pressure (paper Removing)	0.3 MPa				0.3 MPa	
Plate specifications	925 mm X 670 mm | 320 mm X 240 mm				670 mm X 560 mm | 320 mm X 240 mm	
Types of Plate	UV | TP				UV | TP	

General data

Power supply	1-phase AC 220V±5% 50/60Hz
Power	1.5 KW

Online punch bridge

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Cron BGP Online Punching Bridge is World's sole external online punching device,punching precisely、supporting multi-punch set、four direction plate sending and build up network system easily,with greatly production flexibility.

BGP equipped with same high precise side gauge with CTP which repeated positioning accuracy is 10 micron,ensuring precisely punching position,no need to register in printer to save printing time.Multiple punch set is available,satisfying for different size printers punching requirement.Four plate sending direction utilize space rationally.Available to match small size processor to save costs,or build up network system with other BGPs.

Cron BGP Online Punching Bridge make big difference to Convention Digital Printing(CDP)

Model	BGP-26-D4	BGP-36-D4	BGP-46-D4	BGP-72-D4	BG-26-D4	BG-36-D4	BG-46-D4	BG-72-D4
Repeat positioning accuracy	0.01 mm							
Air supply mode	External air supply(>0.3mpa)							
Plate output direction	4 directions(selectable)							
Punching die standard	Bacher punching system/customer request				N / A			
Punching mode	Air pressure punching				N / A			
Control mode	Online							
Power supply	Single phase ac 220±5% 50/60hz							
Power	800 W							
Enviroment requirement	Temp.:18-25℃;relative humidity:20-70%(no condensation)							
Software	LaBoo 5.X							

Model	BGP-26-D3	BGP-36-D3	BGP-46-D3	BGP-72-D3	BG-26-D3	BG-36-D3	BG-46-D3	BG-72-D3
Plate output direction	3 directions(selectable)							
Software	LaBoo 4.X							
Control mode	Single machine							
Other datas	Refer to D4							

Plates

Max.Plate size	670 X 560 mm	925 X 670 mm	925 X 670 mm	1160 X 940 mm	1160 X 940 mm	1850 X 1422 mm
Min.Plate size	240 X 320 mm	240 X 320 mm	240 X 320 mm	450 X 370 mm	450 X 370 mm	650 X 550 mm
Plate thickness	0.15-0.40 mm	0.15-0.40 mm	0.15-0.40 mm	0.15-0.40 mm	0.15-0.40 mm	0.15-0.40 mm

Size & Weight

Model	Dimension (L×W×H)	Net weight	Model	Dimension (L×W×H)	Net weight
BGP-26	1500 X 950 X 1050 mm	200 kg	BGP-46-D3	2050 X 1420 X 1050 mm	200 kg
BGP-36-D3	1800 X 1170 X 1050 mm	200 kg	BGP-46-D4	2050 X 1420 X 1050 mm	200 kg
BGP-36-D4	1800 X 1170 X 1050 mm	200 kg	BGP-72	2415 X 2050 X 1200 mm	200 kg

Color Management & Standardisation Services

PDF Files

Proofing

Measure

RIP

WORKFLOW (CiP3)

Auto-loader

CRON CTP

Three way
Online Punch Bridge

Processor
(CRD Digital Processing Control System)

Printing Standardisation Test

Closed-loop control

On line Density
Measurement & Closed-loop Adjustment

Measure

CRON Standardisation Process

Laboo 5.0 software

Laboo 5.0 is developed by CRON Machinery & Electronics Co., Ltd. It supplies management system for the workflow of CRON CTP, including multi-cassettes autoloader, CTP plate-imaging management, punching-bridge network, CTP collaboration and coordination of CTPs network.
Laboo is not only a control software, it is also an image output system which based on single bit TIF image. It added the function of cloud services and remote diagnosis, from which, customers benefit less investment and reduction of operating cost.

- Remote technical issue diagnosis/Data reset
- Touch screen operation
- Multiple job sorting way
- Multiple the BGP plate direction setting/ multi-line parallel CTP system
- Recognize plate two-dimension codes/ read plate operation requirements.
- Auto loader plate suction & air blowing 3 levels setting(for different size/thickness interleaving paper and plate)


Command Operation


Auto loader setting


Punch bridge setting

CRON CTP

AlephGraphics ha sido una de las empresas pioneras en la introducción del CtP o Computer to Plate (directo a plancha), en el mercado latinoamericano desde el año 2000.

A comienzos de 2009, **AlephGraphics** incorpora a su portafolio la marca de CtPs **CRON** de China, completando así toda la gama de tecnologías de directo a plancha: violeta, termal y UV convencional.

Hoy día, la fábrica CRON ha alcanzado tal grado de desarrollo que ya tiene un bien ganado prestigio a nivel mundial, con oficinas propias no sólo en Asia si no también en Alemania y Estados Unidos y presencia fuerte en las Ferias de Drupa de Alemania. Desde aquellos comienzos hasta hoy, **Aleph Graphics** ha acompañado el crecimiento de la marca CRON cosechando numerosos destaques de venta en el continente americano.

En 2016, **CRON** lanza al mercado la CRON HDI, -el CtP directo a plancha flexo- y como no podía ser de otra manera, **AlephGraphics** ha comenzado su promoción e introducción en el mercado flexo latinoamericano.

2012 — MEJOR DISTRIBUIDOR DE CTP CRON UV EN LAS AMÉRICAS

2014 — DESTACADO DESEMPEÑO EN VENTAS DE CTP CRON

2015 — MAYOR VENDEDOR DE CRON CTP DE LATINOAMÉRICA