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**CRON**



High Resolution Fully Automatic CTP

V 2020-9



Simplicity, Stability, Speciality

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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 CP. 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 8000 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 part 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.

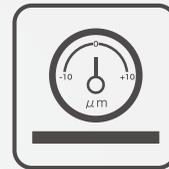
## GLOBALIZATION OF CRON



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

# Extraordinary CTP

With 20-year offset equipment manufacturing experience, CRON creates the extraordinary CTP by adopting innovative technology, unique design and delicate craftsmanship.



### Class leading drum surface flatness

The surface flatness for the delicately built vacuum of is within 5 $\mu$ m, which realizes the accurate focus and perfect image.



### V-shape guide rail

Classical V gauge 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

Online punching demands no second positioning. The exposure and holes punching realize at the same time, which ultimately solve the bad registration problem.



### Drum anti-air/vacuum-leakage

The patented technology - anti-air-leak drum makes sure the pressure sustainable, the plates exchange easier and efficiency better.



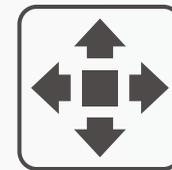
### Constant temperature, double cooling system

Laser box adopts the temperature stable system which allows the water cool and wind cool, it in turn assures that the laser box functions well at any circumstance upon the temperature  $\pm 0.5^{\circ}\text{C}$ . As a result, the life span for the laser box extends, the energy more stable and the dot recovery better.



### Big volume cassette

It can be upgraded to be 200/500 sheets multi-cassette, once laying plates, all day relax.



### Multi-direction plate feeding

Online punching bridge affording plate output in 4 directions allows 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 system uses SMFO technology which helps to improve the resolution. Individual lasers can be changed or moved so that the cost of laser maintenance is greatly reduced.



### Multi-cassette

It can be upgraded to be multi-cassette system - 5 cassette at most, which caters for the plate auto loading demands for several printing presses at one time.



### Dedusting system

Advanced dedust pump helps clean the machine with high effectiveness, which ultimately solve the dust problem while imaging plates.



### 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 the repeat positioning accuracy to be 0.01mm - easy registration.



### Automatic plate and slip separating technology

The unique plate and slip separating technology is suitable for slips at any thickness.



### LaBoo remote service

Laboo system affords remote internet service from CRON, which helps diagnose system problems at no time.

# First Choice For High-end Printing H model CTP

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

## Optional

26H | 36H | 46H

60H | 72H

## Autoloader

The new H model series uses a new 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.

## Built-in on-line punching

The built-in on-line punching is accurate to within 0.01mm. Registering without adjustment. Punch debris is automatically removed to avoid any damage to the drum.

## Highly integrated

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



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# H Series Commercial CTP Technical Specifications



Built-in 50/100 plate automatic loader

Laser type: UV or Thermal      Laser Model (only UV): X+/I+      Resolution:2400/2540/2800dpi (3000/3600/4000/5080/9600 optional)  
 Plate: Regular Plate / Eco-friendly Plate      Plate thickness: 0.13~0.30mm      Environment: 18~28 C , RH: 40%~60% (non-condensing)

## 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 (Punch)	30(28)/h	36(34)/h	46(42)/h	54(49)/h
			2400dpi/510mm	
Speed (Punch)	25(24)/h	31(29)/h	40(38)/h	48(44)/h
			2400dpi/650mm	
Power supply	1-phase AC 220V±5% 50/60Hz Rated Power 5.4KW			
Dimensions	W×L×H: 1400×1110×1055 mm			
Net weight	1070kg			

## 36H Commercial Resolution Specification

Model	3632H	3648H	3664H	3696H
Plate	Max. 925×675 mm / Min. 240×320 mm			
Laser channel	32	48	64	96
Speed (Punch)	25(24)/h	34(32)/h	41(38)/h	51(47)/h
			2400dpi/745mm	
Power supply	1-phase AC 220V±5% 50/60Hz Rated Power 5.6KW			
Dimensions	W×L×H: 1650×980×1065 mm			
Net weight	1150kg			

## 46H Commercial Resolution Specification

Model	4648H	4664H	4672H	4696H	Only UVP-46128H
Plate	Max. 1160×940 mm / Min. 280×280 mm (Min 280×300mm with punching function) (Plate thickness :0.13 ~0.40 mm)				
Laser channel	48	64	72	96	128
Speed (Punch)	23(22)/h	29(27)/h	32(31)/h	38(35)/h	45(41)/h
			2400dpi/1030mm		
Power supply	1-phase AC 220V±5% 50/60Hz Rated Power 5.6KW				
Dimensions	W×L×H: 1900×1220×1100 mm				
Net weight	1330kg				

## 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 (Punch)	19(18)/h	24(23)/h	32(30)/h	39(37)/h
			2400dpi/1030mm	
Speed (Punch)	14(14)/h	18(18)/h	26(24)/h	32(30)/h
			2400dpi/1410mm	
Power supply	3-phase AC 380V±5% 50/60Hz Rated Power 6.6KW			
Dimensions	W×L×H: 2289×1300×1173 mm			
Net weight	1660kg			

## 72H Commercial Resolution Specification

Model	7248H	7264H	7296H	Only UVP-72128H
Plate	Max. 1850×1422 mm / Min. 650×550 mm (Plate thickness :0.13 ~0.40 mm)			
Laser channel	48	64	96	128
Speed (Punch)	16(16)/h	21(20)/h	28(26)/h	34(32)/h
			2400dpi/1030mm	
Speed (Punch)	11(11)/h	14(14)/h	20(19)/h	25(24)/h
			2400dpi/1620mm	
Power supply	3-phase AC 380V±5% 50/60Hz Rated Power 10KW			
Dimensions	W×L×H: 2700×1650×1000 mm			
Net weight	2300kg			

# H Series Newspaper & Commercial Dual-purpose CTP



The CRON CTP for Newspapers is a high-speed plate-making machine with a maximum throughput of up to 82 plates per hour meeting the requirements of most Newspaper clients.

CRON dual-purpose CTPs are able to meet the quality requirements for both Newspaper and Commercial applications. This is an important factor when considering Newspapers' requirements for magazines and inserts.

The Automatic plate loader (50 plates) is provided.

A built-in punching capability supports the installation of up to three sets of punch-dies. (The gap between each punch unit should be no less than 100mm). The optional external online punching bridge provides additional production and efficiency options

Laser type: UV or Thermal	Laser Model (only UV): X+/I+	Newspaper purpose resolution:	1200/1500/1800dpi
Plate: Regular Plate / Eco-friendly Plate	Plate thickness: 0.13~0.30mm	Dual-purpose resolution:	1500/1800/2400/2540dpi

## 36H Newspaper and Dual-purpose Specifications

■ Newspaper ■ Dual-purpose

Model	3632H	3648H	3664H	3696H
Plate	Max. 925×675 mm / Min. 240×320 mm			
Laser channel	32	48	64	96
Speed (Punch)	39   34   26	51   44   35 1200dpi / 800mm   1500dpi / 800mm	60   53   43 2400dpi / 745mm	73   66   55
Power supply	1-phase AC 220V±5% 50/60Hz Rated Power 5.3KW			
Dimensions	W×L×H: 1650×980×1065 mm			
Net weight	1150 kg			

## 46H Newspaper and Dual-purpose Specifications

■ Newspaper ■ Dual-purpose

Model	4648H	4664H	4672H	4696H	Only UVP-46128H
Plate	Max. 1160×940 mm / Min. 280×280 mm				
Laser channel	48	64	72	96	128
Speed (Punch)	45   39   23	53   47   29 1200dpi / 800mm   1500dpi / 800mm	57   51   32 2400dpi / 1030 mm	65   58   38	72   58   47
Power supply	1 phase AC 220V±5% 50/60Hz Rated Power 5.6KW				
Dimensions	W×L×H: 1900×1220×1100 mm				
Net weight	1330kg				

# The Classic Design - G+ Series CTP

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 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 dynamic drum balance design.

The new side-gauge 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.

## 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 super stability and accuracy. No lead screw, no grease, no banding, no abrasion, no friction and no wear.

## Higher resolution

New, higher output resolutions are available. Resolutions of 4800dpi/5080dpi/9600dpi 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.

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# G+ Series CTP Technical Specifications



Automatic plate loader is optional (50, 200 & 500 plates).

Built-in punching function supports up to 3 sets of punch dies installation.

(The gap between each punch unit should be no less than 100mm)

Optional external online punching bridge improves punching accuracy and productive efficiency.

Laser type: UV or Thermal      Laser Model (only UV): X+/I+      Resolution:2400/2540/2800dpi (3000/3600/4000/5080/9600optional)

Plate compatibility: All UV plate series      Plate thickness: 0.13~0.30mm      Environment: 18~28 C , RH: 40%~60% (non-condensing)

support 200-500 sheets

## 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 (Punch)	30(28)/h	36(34)/h	46(42)/h	54(49)/h
	2400dpi/510mm			
Power supply	1-phase AC 220V±5% 50/60Hz Rated Power 4.3KW			
Dimensions	W×L×H: 1400×910×1080 mm			
Net weight	920kg			

## 36G+ Commercial Resolution Specification

Model	3632G+	3648G+	3664G+	3696G+
Plate	Max. 925×675 mm / Min. 240×320 mm			
Laser channel	32	48	64	96
Speed (Punch)	25(24)/h	34(32)/h	41(38)/h	51(47)/h
	2400dpi/745mm			
Power supply	1-phase AC 220V±5% 50/60Hz Rated Power 4.5KW			
Dimensions	W×L×H: 1650×980×1065 mm			
Net weight	1080kg			

## 46G+ Commercial Resolution Specification

Model	4648G+	4664G+	4672G+	4696G+	Only UVP-46128G+
Plate	Max. 1160×940 mm / Min. 280×280 mm				( Plate thickness: 0.13 ~ 0.40 mm)
Laser channel	48	64		96	128
Speed (Punch)	23(22)/h	29(27)/h	32(31)/h	38(35)/h	45(41)/h
	2400dpi/1030mm				
Power supply	1-phase AC 220V±5% 50/60Hz Rated Power 4.5KW				
Dimensions	W×L×H: 1900×1100×1150 mm				
Net weight	1280kg				

## 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 (Punch)	19(18)/h	24(23)/h	32(30)/h	39(37)/h	
	2400dpi/1030mm				
Power supply	3-phase AC 380V±5% 50/60Hz Rated Power 5.3KW				
Dimensions	W×L×H: 2300×1150×1180 mm				
Net weight	1620kg				

## 72G+ Commercial Resolution Specification

Model	7248G+	7264G+	7296G+	Only UVP-72128G+	
Plate	Max. 1850×1422 mm / Min. 650×550 mm				( Plate thickness: 0.13 ~ 0.40 mm)
Laser channel	48	64	96	128	
Speed (Punch)	11(11)/h	14(14)/h	20(19)/h	25(24)/h	
	2400dpi/1620mm				
Power supply	3-phase AC 380V±5% 50/60Hz Rated Power 10KW				
Dimensions	W×L×H: 2700×1650×1000 mm				
Net weight	2300kg				

# 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 82 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 CTPs 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 (50, 200 & 500 plates ).

A built-in punching capability supports the installation of up to three sets of punch-dies. (The gap between each punch unit should be no less than 100mm). The optional external online punching bridge provides additional production and efficiency options

Laser type: UV or Thermal      Laser Model (only UV): X+/I+      Newspaper purpose resolution: 1200/1500/1800dpi

Plate: Regular Plate / Eco-friendly Plate      Plate thickness: 0.13 ~0.30mm      Dual-purpose resolution: 1500/1800/2400/2540dpi(optional)

Environment: 18~28 °C , RH: 40%~60% (non-condensing)

## 36G+ Newspaper and Dual-purpose Specifications

■ Newspaper ■ Dual-purpose

Model	3632G+	3648G+	3664G+	3696G+
Plate	Max. 925×675 mm / Min. 240×320 mm			
Laser channel	32	48	64	96
Speed	39   34   26	51   44   35 1200dpi / 800mm   1500dpi / 800mm	60   53   43 2400dpi / 745mm	73   66   55
Power supply	1-phase AC 220V±5% 50/60Hz Rated Power 4.3KW			
Dimensions	W×L×H: 1650×980×1065 mm			
Net weight	1080 kg			

## 46G+ Newspaper and Dual-purpose Specifications

■ Newspaper ■ Dual-purpose

Model	4648G+	4664G+	4672G+	4696G+	Only UVP-46128G+
Plate	Max. 1160×940 mm / Min. 280×280 mm				
Laser channel	48	64	72	96	128
Speed	45   39   23	53   47   29 1200dpi / 800mm   1500dpi / 800mm	57   51   32 2400dpi / 1030 mm	65   58   38	72   58   47
Power supply	1-phase AC 220V±5% 50/60Hz Rated Power 4.5KW				
Dimensions	W×L×H: 1900×1220×1100 mm				
Net weight	1280kg				



# G+ Series Accessory Equipments

## Autoloader

CRON AL series auto loader achieves plate de-leafing and platefeeding automatically. Single or multi-cassette auto loaders are optional. 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 within 10µm, 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	AL-26-200N(H)	AL-26-50-M3(H)	AL-36-200N(H)	AL-36-500(H)	AL-36-50-M3(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	670×570	670×570	925×675	925×675	925×675
Min. plate size	240×240	240×240	240×320	240×320	240×320

Model	AL-46-200N(H)	AL-46-500(H)	AL-46-50-M3	AL-46-50-M5	AL-72-100*
Cassettes	1	1	3	5	1
Max. plate storage per cassette	200	500	50	50	100
Max. plate storage	200	500	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	1163×940	1163×940	1163×940	1163×940	1850×1422
Min. plate size	450×370	450×370	450×370	450×370	650×550

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	0.01mm				0.01mm			
Air supply mode	Air supply by external pump (>0.3MPa)				Bulit-in air supply (>0.3MPa)			
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	1-phase AC 220±5% 50/60Hz				1-phase AC 220±5% 50/60Hz			
Rated power	800W				800W			
Environment requirement	Environment: 18~30 °C RH: 40%~60% (non-condensing)				Environment: 18~30 °C RH: 40%~60% (non-condensing)			
Software support	LaBoo 5.X				LaBoo 5.X			
Net weight	180kg	200kg	230kg	280kg	180kg	200kg	230kg	280kg

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	1163×940	1850×1422
Min. Plate size (mm)	240×240	240×320	450×370	650×550
Dimension	1500×950×1050mm	1800×1170×1050mm	2050×1420×1050mm	2415×2050×1200mm