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CRON

CRON CTP

High Resolution Fully Automatic CTP

V 2024-09

Simplicity, Stability, Speciality

CRON CTP | Product Manual

Fully Automatic CTP

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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 task to further develop the printing culture. Its mission: to embark 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 1992. CRON's mission is to bring sustained benefits to printing enterprises through creative engineering and excellent manufacturing processes.

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

With nearly 30 years of innovation and development, CRON became the first company to draft the national standard for CTP in China. 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 9000 units around the world and supplied products and services to over one hundred countries.

CRON is committed to making scientific and technological innovation. Its driving force, valuing persistence and striving to make progress from the beginning to the end of every day. The company has consistently improved the technology in its four core products, namely offset CTP systems, HDI flexo CTP, Emerald environmentally friendly plate and the EZC intelligent printing system, created to exceed the requirements of the industry's fourth age.

From Germany to USA to Malaysia, CRON has opened branch offices around the world and at the same time, built its R&D and production base, parts centers and service base. CRON has earned praise from users worldwide and brings new power to the promotion of the printing industry because of its ability to innovate, its high quality and its comprehensive after-sales service.

CRON will stay true to its mission, maintain it's belief, and move diligently ahead!

GLOBALIZATION OF CRON

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

Extraordinary CTP

With nearly 30 years of offset equipment manufac-turing experience, CRON createsthe extraordinary CTP byadopting innovative technolo-gy, unique design anddelicate craftsmanship.

Class leading drum surface flatness

The high precision drum has a surface flatness that is accurate to within 5 μm, producing pin sharp focus and a perfect image.

V-shape guide rail

The classical V-shape guide rail used by CRON is durable and extremely accurate helping to produce a stable, high quality image.
The unique intelligent auto lubrication system reduces the need for maintenance and ensures smooth movement of the scanning head.

Digital control

All CRON CTP's make use of a digital control system contributing to higher accuracy and easier parts replacement and upgrades.

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

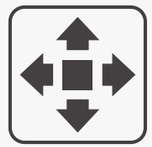
The patented technology-anti-air-leak drum makes sure the pressure is maintained, plates exchange is easier with better efficiency.

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 functions well at all times and maintains temperature to an accuracy of ± 0.5ºC. As a result, laser lifetime is extended, stable laser power is maintained and highest quality dot reproduction is assured.

High capacity plate cassette

Standard 50/100/200-sheet plate cassette, can be upgraded to 1500-sheet large-capacity cassette or multi-plate cassettes.-CRON's autoloader options include a 200 or 500 plate cassettes 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 bridge or punch bridge affords plate movement in any one of 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 of any thickness, any format 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 us 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

A state-of-the-art linear magnetic drive scanning system provides high speed, high resolution imaging with zero friction. This eliminates imaging artefacts and is maintenance free giving more accurate motion control and eliminating banding and other imaging problems associated with other systems.

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 supports remote internet service from local dealer engineers or from any CRON office around the world, so that remote diagnostics are available anywhere, anytime.

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- Unique design dual-drum system.
  70 plates per hour.
- 1500-plate automatic plate loader, no intervention.
- Highly integrated, small footprint space occupy, higher productivity.

The original dual-drum system and new plate feeding mode contributing to the output of 70 plates per hour, honors itself as one of the fastest CTPs in the industry.

Dual-drum rapid CTP adhering to the consistent technical advantages of CRON products realizes square dot imaging by adopting optical technology. Linear magnetic drive scanning system promises zero contact, no friction; the most classic V-shaped guide rail and automatic lubrication function; all these truly realize maintenance-free. And the best constant focal length, stables and sharpens the outputting dots.

Optional AL46-H1500-1500-sheets automatic plate palette loader or other optional autoloader models. up to 5 sets of built-in punching device highly benefits top-end printing enterprises by saving them 40% energy consumption, 45% floor space, 50% investment cost. 1 unit of dual-drum rapid CTP is two times the value of others, the preferred choice for printing enterprises aiming to pursue on a top-end intelligent production course.

Product Features

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DD870+AL46-H1500
Dual-Drum Rapid CTP

Model	DD858	DD870
Plate Size Range	Max. 1163×940 mm / Min. 450x370 mm	
Maximum imaging size	1163×928 mm	
Compatible Plate	Processed plate / Processless plate / Chemistry Free Plate / Low chemistry plate	
Plate Thickness	0.13 ~ 0.30 mm	
Laser Channel	96	128
Laser Diode Type (options)	Thermal or UV (X+ / I+)	
Resolution (DPI)	2400/2540/2800 dpi （Upgradable DPI： 4800/5080/9600 dpi）	
Speed (with Punch)	55 p/h 2400 dpi/1030 mm	70 p/h
Power Requirements	Single-phase AC 220 V ±5% 50/60 Hz Rated Power 9 kW	
Positioning Accuracy	± 0.01 mm	
Workflow Connectivity	Standard: Laboo software(included) connects to most third-party workflow systems Optional: Control PC with touch panel	
Dimensions	W×L×H: 2500x4330x1370 mm	
Operating Environment	18 ~ 28 ℃ ; RH: 40% - 60% (non-condensing)	
Equipment Net Weight	3190 kg	

Remarks： CRON reserves the rights to modify or change the design and technical parameters without notifying in advance

High-end Printing H model CTP

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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.

Optiona

26H | 36H | 46Hn

46H+ | 60Hn | 72Hn

Autoloader

The new H model series uses a new version of the loader system.Standard 50/100/200 plates fully automatic plate loading system.
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 0.01 mm. Registering without adjustment. Punch debris is automatically removed to avoid any damage to the drum. up to 5 sets of punch molds can be installed(the gap between each punch unit should be no less than 55 mm),variety options optimize for customer production needs, and fully auto- mated.

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

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

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The model shown in picture is 46Hn CTP
(The picture is for reference only)

Model shown in picture is 46H⁺ CTP
(The picture is for reference only)

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NEW –Very large format　New upgrade

The model shown in picture is 72Hn
(The picture is for reference only)

01 1850*1422 mm Very large format

02 Upgrade to a standard 100-sheet automatic plate loader

03 Integrated automatic plate loading, laser imaging and online punching in one

04 Optional thermal or UV laser types, suitable for conventional and environmentally friendly plates on the market

05 Maximum up to 10,160 dpi high-definition imaging

06 Fully automatic plate making up to 34 Plate/hr (including punching)

H Series Commercial CTP Technical Specifications

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Laser type: UV or Thermal Laser Model (only UV): X+/I+ Resolution: 1800/2400/2540/2800 dpi (Upgradable to 3000/3600/4000/5080/9600/10160 dpi)
Plate: Regular Plate/Eco-friendly Plate Plate thickness: 0.13~0.30 mm Environment: 18~28℃ RH：40%-60%(non-condensing)
Plate Feeding Mode: Automatic Paper Removal: Automatic

26H Commercial Series Specification

Model	2624H	2632H	2648H	2664H
Plate Size	Max. 670×570 mm / Min. 240×240 mm			
Maximum imaging size	670×558 mm			
Laser channel	24	32	48	64
Speed (Punch)	30(29) p/h	37(35) p/h	48(45) p/h	50(50) p/h
	2400 dpi/510 mm			
Speed (Punch)	25(24) p/h	31(30) p/h	41(39) p/h	49(46) p/h
	2400 dpi/650 mm			
	Production capacity in the table:TP ≤ 200 mj/cm², UVP-X+ ≤ 45 mj/cm², UVP-I+ ≤ 55 mj/cm²			
Plate Capacity	50 sheets			
Power supply	Single-phase AC 220 V±5% 50/60 Hz Rated Power 5.3 kW			
Dimensions	W×L×H: 1400×1495×1055 mm			
Net weight	815 kg			

36H Commercial Series Specification

Model	3632H	3648H	3664H	3696H	36128H
Plate Size	Max. 925×675 mm / Min. 240×240 mm				
Maximum imaging size	925×663 mm				
Laser channel	32	48	64	96	128
Speed (Punch)	25(24) p/h	34(32) p/h	41(39) p/h	50(49) p/h	60(56) p/h
	2400 dpi/745 mm				
	Production capacity in the table:TP ≤ 200 mj/cm², UVP-X+ ≤ 40 mj/cm², UVP-I+ ≤ 45 mj/cm²				
Plate Capacity	50 sheets				
Power supply	Single-phase AC 220 V±5% 50/60 Hz Rated Power 5.6 kW				
Dimensions	W×L×H: 1626×1605×1070 mm				
Net weight	1150 kg				

46Hn Commercial Series Specification

Model	4648Hn	4672Hn	4696Hn	46128Hn
Plate Size	Max. 1163×940 mm / Min. 320×300 mm			
Maximum imaging size	1163×928 mm			
Laser channel	48	72	96	128
Speed (Punch)	24(23) p/h	33(32) p/h	40(38) p/h	48(46) p/h
	2400 dpi/1030 mm			
	Production capacity in the table:TP ≤ 175 mj/cm², UVP-X+ ≤ 35 mj/cm², UVP-I+ ≤ 45 mj/cm²			
Plate Capacity	100 sheets			
Power supply	Single-phase 220 V ±5% 50/60 Hz Rated Power 5.6 kW			
Dimensions	W×L×H: 1900×2700×1150 mm			
Net weight	1300 kg			

Remarks：CRON reserves the rights to modify or change the design and technical parameters without notifying in advance

46H⁺ Commercial Series Specification

Model	4648H⁺	4664H⁺	4672H⁺	4696H⁺	46128H⁺
Plate Size	Max. 1163×940 mm / Min. 370x370 mm				
Maximum imaging size	1163×928 mm				
Laser channel	48	64	72	96	128
Speed (Punch)	24(24) p/h	30(29) p/h	32(32) p/h	40(39) p/h	48(46) p/h
	2400 dpi/1030 mm				
	Production capacity in the table:TP ≤ 175 mj/cm², UVP-X+ ≤ 35 mj/cm², UVP-I+ ≤ 45 mj/cm²				
Plate Capacity	200 sheets				
Power supply	Single-phase AC 220 V ±5% 50/60 Hz Rated Power 5.6 kW				
Dimensions	W×L×H: 2200×3080×1330 mm（With PC）				
Net weight	1620 kg				

60Hn Commercial Series Specification

Model	6048Hn	6064Hn	6096Hn	60128Hn
Plate Size	Max. 1524×1200 mm / Min. 450×370 mm (Plate thickness: 0.13-0.40 mm)			
Maximum imaging size	1524×1185 mm			
Laser channel	48	64	96	128
Speed (Punch)	18(18) p/h	23(22) p/h	30(29) p/h	36(35) p/h
	2400 dpi/1030 mm			
Speed (Punch)	14(14) p/h	18(17) p/h	24(24) p/h	30(29) p/h
	2400 dpi/1410 mm			
	Production capacity in the table:TP ≤ 185 mj/cm², UVP-X+ ≤ 35 mj/cm², UVP-I+ ≤ 50 mj/cm²			
Plate Capacity	100 sheets			
Power supply	3- phase AC 380 V±5% 50/60 Hz Rated Power 6.6 kW			
Dimensions	W×L×H: 2280×2981×1195 mm			
Net weight	1800 kg			

72Hn Commercial Series Specification（Resolution: 1800/2400/2540 dpi）

Model	7248Hn	7264Hn	7296Hn	72128Hn
Plate Size	Max. 1850×1422 mm（Extended format：1860×1422 mm）/ Min. 650×550 mm (Plate thickness: 0.13 ~0.40 mm)			
Maximum imaging size	1850×1407 mm（Extended format：1860×1407 mm）			
Laser channel	48	64	96	128
Speed (Punch)	16(16) p/h	21(20) p/h	28(27) p/h	34(32) p/h
	2400 dpi/1030 mm			
Speed (Punch)	11(11) p/h	14(14) p/h	20(19) p/h	25(24) p/h
	2400 dpi/1620 mm			
	Production capacity in the table:TP ≤ 180 mj/cm², UVP-X+ ≤ 35 mj/cm², UVP-I+ ≤ 45 mj/cm²			
Plate Capacity	100 sheets			
Power supply	3-phase AC380 V±5% 50/60 Hz, Rated Power 9 kW			
Dimensions	W×L×H: 2695×2810×980 mm			
Net weight	2700 kg			

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H Series Newspaper & Commercial Dual-purpose CTP

The CRON H series Newspaper model is a model that can cater for high-speed newspaper plate making CTP, which meets the requirements of the timeliness of newspaper plate making requirements.
The dual-purpose model of CRON CTP can meet both the requirements of high-speed plate making for newspaper printing and commercial high resolutions plate making at the same time, and is also the preferred model for the transformation of the newspaper industry.

Laser type: UV or Thermal Laser
Model (only UV): I+
Newspaper purpose resolution: 1200/1500/1800 dpi
Plate: Regular Plate/Eco-friendly Plate
Plate thickness: 0.13-0.30 mm
Dual-purpose resolution: 1200/1500/1800/2400/2540 dpi（Four consecutive resolution options are available）
Environment: 18~28℃
RH: 40%-60%(non-condensing)
Plate Feeding Mode: Automatic
Paper Removal: Automatic

36H Newspaper and Dual-purpose Specifications

Newspaper | Dual-purpose

Model	3632H	3648H	3664H	3696H	36128H
Plate Size	Max. 925x675 mm / Min. 240x240 mm				
Maximum imaging size	925×663 mm				
Laser channel	32	48	64	96	128
Speed (Punch)	39 | 33 | 25 (24)	50 | 44 | 34 (32)	50 | 50 | 41 (39)	50 | 50 | 50 (49)	60 | 60 | 60 (56)
	1200 dpi / 800 mm | 1500 dpi / 800 mm | 2400 dpi / 745 mm				
	Production capacity in the table:TP ≤ 200 mj/cm², UVP-I+ ≤ 45 mj/cm²				
Plate Capacity	50 sheets				
Power supply	Single-phase AC 220 V±5% 50/60 Hz Rated Power 5.6 kW				
Dimensions	W×L×H: 1626×1605×1070 mm				
Net weight	1150 kg				

46Hn Newspaper & Commercial dual-purpose specifications

Newspaper | Dual-purpose

Model	4648Hn	4672Hn	4696Hn	46128Hn
Plate Size	Max. 1163×940 mm / Min. 320×300 mm			
Maximum imaging size	1163×928 mm			
Laser channel	48	72	96	128
Speed (Punch)	47 | 40 | 24 (23)	50 | 50 | 33 (32)	50 | 50 | 40 (38)	60 | 60 | 48 (46)
	1200 dpi / 800 mm | 1500 dpi / 800 mm | 2400 dpi / 1030 mm			
	Production capacity in the table:TP ≤ 175 mj/cm², UVP-I+ ≤ 45 mj/cm²			
Plate Capacity	100 sheets			
Power supply	Single-phase AC 220 V±5% 50/60 Hz Rated Power 5.6 kW			
Dimensions	W×L×H: 1900×2700×1150 mm			
Net weight	1300 kg			

46H⁺ Newspaper and Commercial Dual-purpose Specifications

Newspaper | Dual-purpose

Model	4648H⁺	4664H⁺	4672H⁺	4696H⁺	46128H⁺
Plate Size	Max. 1163×940 mm / Min. 370×370 mm				
Maximum imaging size	1163×928 mm				
Laser channel	48	64	72	96	128
Speed (Punch)	47 | 41 | 24 (24)	56 | 49 | 30 (29)	59 | 53 | 33 (32)	60 | 60 | 40 (39)	60 | 60 | 48 (46)
	1200 dpi / 800 mm | 1500 dpi / 800 mm | 2400 dpi / 1030 mm				
	Production capacity in the table:TP ≤ 175 mj/cm², UVP-I+ ≤ 45 mj/cm²				
Plate Capacity	200 sheets				
Power supply	Single-phase AC 220 V±5% 50/60 Hz Rated Power 5.6 kW				
Dimensions	W×L×H: 2200x3080x1330 mm（with PC）				
Net weight	1620 kg				

Remarks: CRON reserves the rights to modify or change the design and technical parameters without notifying in advance

The Classic Design G+ Series CTP

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The updated G+ series CTP adheres to the traditional advantages of CRON CTP. In addition to all of these features it is the most cost-effective CTP available today.

Automatic plate loader unit is optional (available for 50/100/200 /500/1500 plates capacity).
Built-in punching function supports up to 5 sets of punch dies installation. (The gap between each punch unit should be no less than 55 mm)
Optional external online punching bridge improves punching accuracy and productive efficiency.

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 format.

New dynamic drum balance design

The patented triple dynamic drum balance technology allows the drum to load any plate thickness or format giving smooth vibration-free drum rotation, maximizing image quality.

Environment friendly and energy saving vacuum system

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

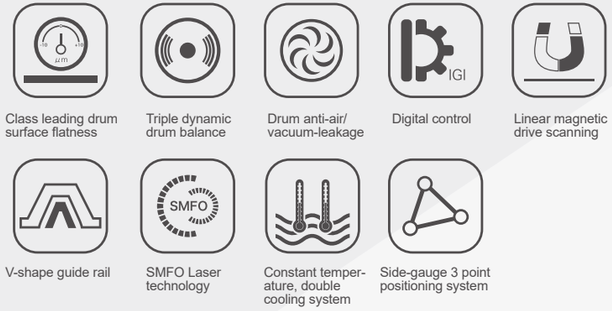
Laser scanning system is maintenance-free

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.

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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Model shown in picture is 46G+ CTP
(The picture is for reference only)

Model shown in picture is 60G+ CTP
(The picture is for reference only)

G+ Series Commercial CTP Technical Specifications

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Laser type: UV or Thermal | Laser Model (only UV): X+/I+ | Resolution: 1800/2400/2540/2800 dpi (4800/5080/9600 dpi optional)
Plate compatibility: All UV plate series | Plate thickness: 0.13~0.30 mm | Environment: 18~28°C | RH: 40%~60%(non-condensing)
Plate Feeding Mode: Manual | Paper Removal: Manual

26G+Commercial CTP Specification

Model	2624G+	2632G+	2648G+	2664G+
Plate Size	Max. 670×570 mm / Min. 240×240 mm			
Maximum imaging size	670×558 mm			
Laser channel	24	32	48	64
Speed (Punch)	30(29) p/h	37(35) p/h	48(45) p/h	56(53) p/h
	2400 dpi/510 mm			
	Production capacity in the table:TP ≤ 200 mj/cm², UVP-X+ ≤ 45 mj/cm², UVP-I+ ≤ 55 mj/cm²			
Plate Capacity	Single sheet			
Power supply	Single-phase AC 220 V±5% 50/60 Hz Rated Power 4.2 kW			
Dimensions	W×L×H: 1400×1285×1080 mm			
Net weight	815 kg			

36G+Commercial CTP Specification

Model	3632G+	3648G+	3664G+	3696G+	36128G+
Plate Size	Max. 925×675 mm / Min. 240×240 mm				
Maximum imaging size	925×663 mm				
Laser channel	32	48	64	96	128
Speed (Punch)	25(24) p/h	34(32) p/h	41(39) p/h	52(49) p/h	60(56) p/h
	2400 dpi/745 mm				
	Production capacity in the table:TP ≤ 200 mj/cm², UVP-X+ ≤ 40 mj/cm², UVP-I+ ≤ 45 mj/cm²				
Plate Capacity	Single sheet				
Power supply	Single-phase AC 220 V±5% 50/60 Hz Rated Power 4.5 kW				
Dimensions	W×L×H: 1650×1430×1070 mm				
Net weight	1080 kg				

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46G+Commercial CTP Specification

Model	4648G+	4672G+	4696G+	46128G+
Plate Size	Max. 1163×940 mm / Min. 300×300 mm			
Maximum imaging size	1163×928 mm			
Laser channel	48	72	96	128
Speed (Punch)	24(23) p/h	32(31) p/h	39(38) p/h	47(45) p/h
	2400 dpi/1030 mm			
	Production capacity in the table:TP ≤ 175 mj/cm², UVP-X+ ≤ 35 mj/cm², UVP-I+ ≤ 45 mj/cm²			
Plate Capacity	Single sheet			
Power supply	Single-phase AC 220 V ±5% 50/60 Hz Rated Power 4.5 kW			
Dimensions	W×L×H: 1930x1755x1150 mm			
Net weight	1150 kg			

60G+Commercial CTP Specification

Model	6048G+	6064G+	6096G+	60128G+
Plate Size	Max. 1524×1200 mm / Min. 450×370 mm (Plate thickness: 0.13~0.40 mm)			
Maximum imaging size	1524×1185 mm			
Laser channel	48	64	96	128
Speed (Punch)	18(18) p/h	23(22) p/h	30(29) p/h	36(35) p/h
	2400 dpi/1030 mm			
Speed (Punch)	14(14) p/h	18(17) p/h	24(24) p/h	30(29) p/h
	2400 dpi/1410 mm			
	Production capacity in the table:TP ≤ 185 mj/cm², UVP-X+ ≤ 35 mj/cm², UVP-I+ ≤ 50 mj/cm²			
Plate Capacity	Single sheet			
Power supply	3- phase AC 380 V±5% 50/60 Hz Rated Power 5.3 kW			
Dimensions	W×L×H: 2300×2360×1180 mm			
Net weight	1560 kg			

72G+Commercial CTP Specification (Resolution: 1800/2400/2540 dpi)

Model	7248G+	7264G+	7296G+	72128G+
Plate Size	Max. 1850×1422 mm（Extended format：1860×1422 mm）/ Min. 650×550 mm (Plate thickness: 0.13~0.40 mm)			
Maximum imaging size	1850×1407 mm（Extended format：1860×1407 mm）			
Laser channel	48	64	96	128
Speed (Punch)	16(16) p/h	21(20) p/h	28(27) p/h	34(32) p/h
	2400 dpi/1030 mm			
Speed (Punch)	11(11) p/h	14(14) p/h	20(19) p/h	25(24) p/h
	2400 dpi/1620 mm			
	Production capacity in the table:TP ≤ 180 mj/cm², UVP-X+ ≤ 35 mj/cm², UVP-I+ ≤ 45 mj/cm²			
Plate Capacity	Single sheet			
Power supply	3- phase AC 380 V±5% 50/60 Hz Rated Power 8 kW			
Dimensions	W×L×H: 2700×1754×1000 mm			
Net weight	2480 kg			

Remarks: CRON reserves the rights to modify or change the design and technical parameters without notifying in advance

G+ Series Newspaper & Commercial Dual-purpose Specifications

CRON CTP
Simplicity · Stability · Speciality

CRON newspaper CTP is a classic in the field of high speed offset plate making. The maximum speed of 80plates/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.

Laser type: UV or Thermal Laser
Plate: Regular Plate/Eco-friendly Plate options are available)
Environment: 18~28℃
Model (only UV): I+
Plate thickness: 0.13~0.30 mm
RH: 40%-60%(non-condensing)
Newspaper purpose resolution: 1200/1500/1800 dpi
Dual-purpose resolution: 1200/1500/1800/2400/2540 dpi (Four consecutive resolution

36G+ Newspaper and Dual-purpose Specifications

Newspaper Dual-purpose

Model	3632G+	3648G+	3664G+	3696G+	36128G+
Plate Size	Max. 925×675 mm / Min. 240×240 mm				
Maximum imaging size	925×663 mm				
Laser channel	32	48	64	96	128
Speed (Punch)	39 | 33 | 25 (24) 1200 dpi / 800 mm | 1500 dpi / 800 mm | 2400 dpi / 745 mm Production capacity in the table:TP ≤ 200 mj/cm², UVP-I+ ≤ 45 mj/cm²	50 | 44 | 34 (32)	58 | 52 | 41 (39)	63 | 63 | 52 (49)	63 | 63 | 60 (56) 84 (76) | 77(71) (High speed model with loading bridge)
Plate Capacity	Single sheet				
Power supply	Single-phase AC 220 V±5% 50/60 Hz Rated Power 4.5 kW				
Dimensions	W×L×H:1650×1430×1070 mm [1650*1510*1070 mm (High speed model)]				
Net weight	1080 kg				

46G+ Newspaper and Dual-purpose Specifications

Newspaper Dual-purpose

Model	4648G+	4672G+	4696G+	46128G+
Plate Size	Max. 1163×940 mm / Min. 300×300 mm			
Maximum imaging size	1163×928 mm			
Laser channel	48	72	96	128
Speed (Punch)	46 | 40 | 24 (23) 1200 dpi / 800 mm | 1500 dpi / 800 mm | 2400 dpi / 1030 mm Production capacity in the table:TP ≤ 175 mj/cm², UVP-I+ ≤ 45 mj/cm²	57 | 51 | 32 (31)	59 | 59 | 39 (38)	59 | 59 | 47 (45)
Plate Capacity	Single sheet			
Power supply	Single-phase AC 220 V±5% 50/60 Hz Rated Power 4.5 kW			
Dimensions	WxLxH: 1930x1350x1150 mm			
Net weight	1150 kg			

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Automatic Plate Feeder -The 3/5-Cassettes

CRON CTP
Simplicity, Stability, Speciality

The 3-Cassettes Automatic Plate Feeder offers plate capacity of up to 3 x 50 sheets, and supports 3 types of plate format at the same time; the 5-Cassettes Automatic Plate Feeder offers plate capacity of up to 5 x 50 sheets and supports up to 5 types of plate formats. Different plate formats are put in at the same time, and the plate cassette is automatically switched to meet the plate feeding requirements of printing presses of various formats.

In today's increasing labor costs, the CRON AL Series Automatic Plate Feeders help companies increase the degree of production automation, accomplish unattended automatic plate making process, improve production efficiency, reduce plate loss, and save labor costs.

3 Cassettes Automatic Plate Feeder

Model	AL26-50M3 (H)	AL36-50M3 (H)	AL46-50M3L (H)	AL46-50M5L (H)
Cassettes	3	3	3	5
Max. plate storage per cassette	50	50	50	50
Max. plate storage	150	150	150	250
Air pressure	< -20 kPa、-25 kPa、-30 kPa		-60 kPa	
Air pressure	-70 ± 2 kPa			
Air pressure	0.3 MPa			
Max. plate size	670 × 570	925 × 675	1163 x 940	1163 x 940
Min. plate size	240 × 240	240 × 240	280 × 280	280 × 280
Dimenions (WxLxH)	1360*1100*1040	1600*1200*1100	1850*1225*1100	1850*1225*1100
Net weight	480 kg	600 kg	670 kg	770 kg

Remarks: CRON reserves the rights to modify or change the design and technical parameters without notifying in advance

Automatic Plate Feeder —Single-plate Cassette

CRON CTP
Simplicity, Stability, Speciality

CRON AL Series Automatic Plate Feeder can accomplish plate loading and unloading automation during plate-making process unattended; with optional of single plate cassette or multi-plate cassettes plate feeder.

The maximum capacity of the Single-plate Cassette Automatic Plate Feeder can reach 200/500 sheets.

In today's increasing labor costs, the CRON AL Series Automatic Plate Feeders help companies increase the degree of production automation, accomplish unattended automatic plate making process, improve production efficiency, reduce plate loss, and save labor costs.

AL-46-H200 Automatic Plate Feeder

Model	AL26-200N (H)	AL36-200N (H)	AL36-500 (H)
Cassettes	1	1	1
Max. plate storage per cassette	200	200	500
Max. plate storage	200	200	500
Air pressure		<-20 kPa、-25 kPa、-30 kPa	
Air pressure		-70 ± 2 kPa	
Air pressure		0.3 MPa	
Max. plate size	670 × 570	925 × 675	925 × 675
Min. plate size	240 × 240	240 × 240	240 × 240
Dimenions (WxLxH)	1360*960*1040	1600*1100*1100	1600*1100*1100
Net weight	430 kg	560 kg	560 kg

Model	AL46-H200
Cassettes	1
Max. plate storage per cassette	200
Max. plate storage	200
Air pressure	-60 kPa
Air pressure	-60 ± 2 kPa
Air pressure	/
Max. plate size	1163 x 940
Min. plate size	370x370
Dimenions (WxLxH)	1930*1170*1150
Net weight	580 kg

Remarks: CRON reserves the rights to modify or change the design and technical parameters without notifying in advance

Automatic Plate Feeder | AL46-H1500

CRON CTP
Simplicity, Stability, Speciality

The newly designed paper plate separation mechanism and plate suction mechanism have a higher tolerance for plate flatness and paper thickness; the plate feeding structure increases the slip paper reel off driver, and automatic slip paper removal is smoother and more efficient.

1500 sheets of large-capacity automatic plate feeding, In the situation of high-speed plate-making production, printing companies can easily accomplish unattended operation without any hustle.

Cassettes	Max. plate storage per cassette	Max. plate storage	Air pressure	Air pressure	Air pressure	Max. plate size	Min. plate size	Dimenions (WxLxH)	Net weight
1	1500	1500	<-25 kPa、-30 kPa、-40 kPa	-60 ± 2 kPa	/	1163 x 940	370x370	1910*1750*1260	620 kg

Other Accessory Equipments

CRON CTP
Simplicity, Stability, Speciality

CRON BGP series online punching bridge is exclusive to CRON and brings with it great system flexibility. Equipped with a unique precision side gaugerail, 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.

BGP Online Punching Bridge

Model	BGP26-D4	BGP36-D4	BGP46-D4	BGP72-D2	BG26-D4	BG36-D4	BG46-D4	BG72-D4
Reapt positioning accuracy	0.01 mm				0.01 mm			
Air supply mode	External air compressor for air supply (>0.3 MPa)				External air compressor for 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				0.13-0.40			
Power supply	Single-phase AC 220 V±5% 50/60 Hz				Single-phase AC 220 V±5% 50/60 Hz			
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 100 mm)			
Max. plate size（mm）	670 × 570	925 × 675	1163 x 940	1860 x 1422
Min. Plate size（mm）	240 × 240	240 × 240	280 × 280	650 × 550
Dimension	1500 × 950 × 1050 mm	1800 × 1170 × 1050 mm	2050 × 1420 × 1050 mm	2860x2050x970 mm

Remarks：CRON reserves the rights to modify or change the design and technical parameters without notifying in advance

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	40 mj/cm^2 , UV 405 nm	120 mj/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

Remarks：CRON reserves the rights to modify or change the design and technical parameters without notifying in advance

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
Resolution	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	20~30 s	20~30 s	20~30 s
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.

Remarks: CRON reserves the rights to modify or change the design and technical parameters without notifying in advance

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.

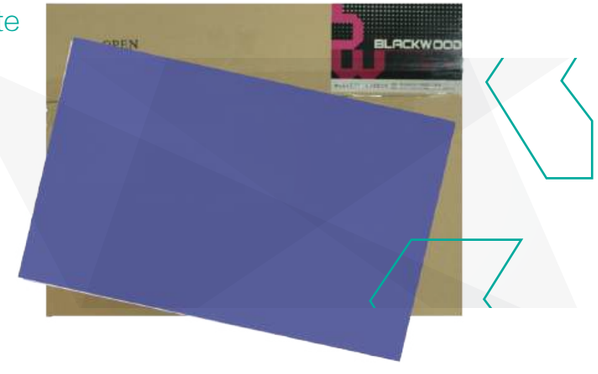

Plate style	HTP-I Thermal Ctp Plate	HTP-H Thermal Ctp Plate	HTP-HR Thermal UV ink Printing Plate
Spectral sensitivity	830 nm	830 nm	830 nm
Thickness	0.15 ~ 0.40 mm	0.15 ~ 0.40 mm	0.15 ~ 0.40 mm
Exposure energy	120 ~ 140 mj/cm^2	110 ~ 130 mj/cm^2	100 ~ 120 mj/cm^2
Resolution	1~99% / 400 lpi	1~99% / 400 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	25~35 s	25~35 s	20~30 s
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.

Remarks: CRON reserves the rights to modify or change the design and technical parameters without notifying in advance