众佳赢 UPGMAT

联强集团 UP GROUP

# OFFSET CTP-SOLUTION



上海众佳赢包装材料有限公司
UPG MAT Packaging Materials Co., Ltd.,


众佳赢 UPGMAT

**UPG MAT PACKAGING MATERIALS CO., LTD.,**

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# UPG MAT Packaging Materials Co., Ltd. — Offset Printing Plates, Redefining the Realm of Printing!

In this era of vibrant colors and information explosion, every detail carries the story and essence of a brand. UPG MAT Packaging Materials Co., Ltd., as a leader in the industry, deeply understands the significance of high-quality offset printing plates for perfectly presenting a brand image. We don't just supply materials; we are the solid support for the realization of your creativity.

## The Cornerstone of Quality, Precise Representation

Our offset printing plates adopt internationally leading raw materials and production techniques, ensuring that every printing can accurately capture every nuance of the design. Whether it's the delicate dot reproduction or the rich solid colors, they can all come to life on paper in the most authentic and vivid forms, making your works stand out among numerous packages and directly touch the hearts of consumers.

## Durability, Always as Good as New

Going beyond the ordinary is our commitment to quality. The offset printing plates of UPG MAT have undergone special strengthening treatments. They not only possess excellent abrasion and scratch resistance but also can maintain color stability under various extreme conditions and remain as good as new over time. This means that your product packaging can not only attract attention at first glance but also continuously convey brand value in the long run and win the long-term trust of consumers.

## Environmental Protection Concept, Green First

While pursuing excellent quality, UPG MAT never forgets the social responsibilities it shoulders. Our offset printing plates fully comply with environmental protection standards and use recyclable materials to reduce the impact on the environment. Choosing UPG MAT means choosing a green packaging path of sustainable development, enabling your brand to win not only a good reputation but also respect in the market.

## Customization Service, Tailor-made

Every brand has its unique personality and story. UPG MAT offers one-on-one customized services and creates exclusive offset printing plate solutions tailored to your needs. From material selection to process optimization, every step strives to perfectly match your brand style, making each printing a unique brand statement.

## Conclusion

At UPG MAT Packaging Materials Co., Ltd., we believe that high-quality offset printing plates are the bridge connecting creativity and the market. They not only carry the soul of the design but also directly reflect the brand value. Choose UPG MAT, and let's join hands to open a new chapter in the art of printing, jointly redefine the realm of printing, and enable your brand to win at the starting line and succeed in the future in the fierce market competition!

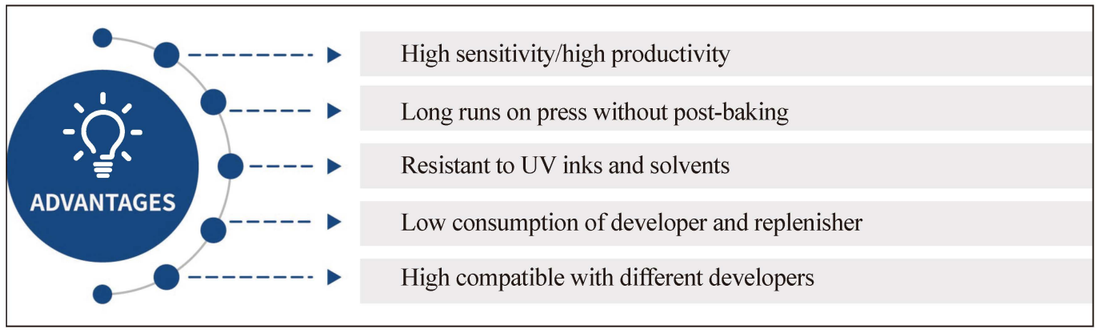
## Export Markets

| Southeast Asia | European | Africa | America |
|---|---|---|---|
| Thailand， Indonesia, Singapore,Malaysia,Brunei, the Philippines, Japan,Korea, Vietnam, Cambodia, India, SriLanka,Npal,Dubai,KuwaitSaudi,Syria,Lebanon, Maldives, Bahrain, Jordan, Sudan,Monglia,Myanmar, Pakistan, lran, Turkey and Bangladesh. | Britain, France, Germany, Italy, Holland, Spain, Portugal, Georgians, Slovakia Finland, Poland. the Czech Republic, Russia, Ukraine, Belarus, Kazakhstan, Uzbekistan, Sweden, Bosnia. Herzegovina and Albania. | South Africa, Kenya, Ethiopia, Egypt, Morocco, Algeria, Tunisia, Madagascar, Mauritius, Nigeria, lvory Coast, Ghana, Mali, Liberia and Cameroon. | The United States, Canada, Mexico, Panama, Costa Rica, Brazil, Argentina, Columbia, Bolivia, Uruguay, Paraguay, Chile, Peru, Ecuador and Honduras. |

# CTP-SL Thermal CTP Plate

The CTP-SL Thermal CTP plates are highly sensitive,making them an ideal choice for customers who require efficiient publishing without compromising quality.





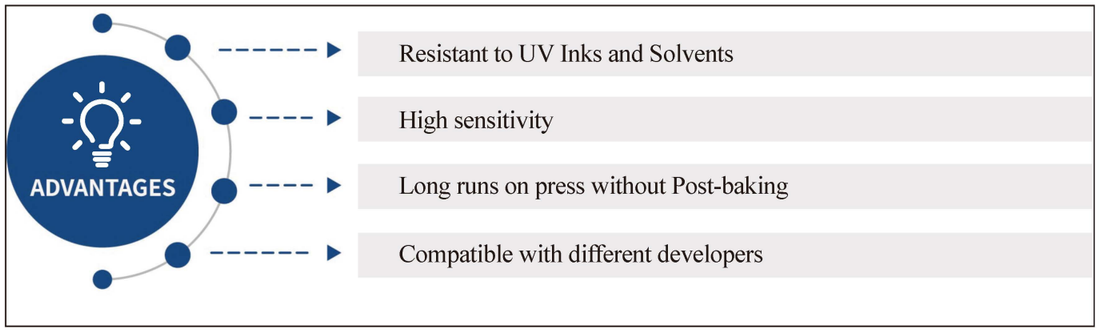

| Type: | Positive Thermal CTP Plate |
|---|---|
| Spectral Sensitivity: | 800-830nm |
| Exposure Energy: | 100~130 mj/cm² |
| Resolution: | 200 lpi ( 1~99%) |
| Run-Length: | 50,000~100,000 (UV-Ink )/100,000,~200,000 ( Conventional Ink ) |
| *Run-Length varies with its printing conditions and imaging content | |



# CTP-G Thermal CTP Platea

The CTP-G is highly versatile for packaging and commercial printing,and compatible with major developers in the market.



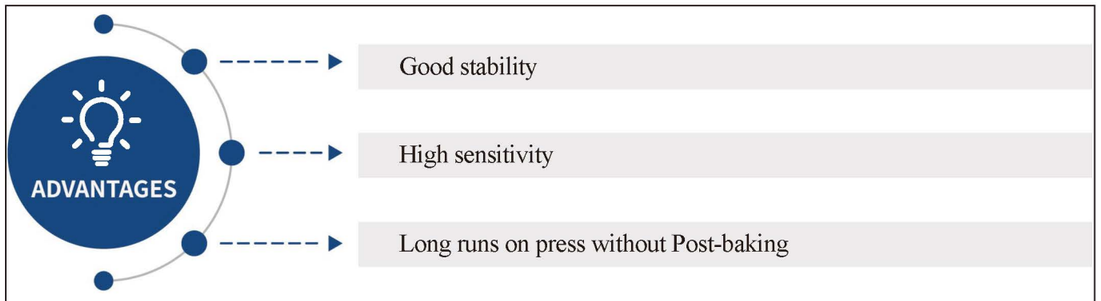



| Type: Positive | Thermal CTP Plate |
|---|---|
| Spectral Sensitivity: | 800-830nm |
| Exposure Energy: | 120~130 mj/cm² |
| Resolution: | 200 lpi ( 1~99%) |
| Run-Length: | 50,000~100,000 (UV-Ink )/100,000,~200,000 ( Conventional Ink ) |
| *Run-Length varies with its printing conditions and imaging content | |

# UV-CTP Positive UV-CTP Plate

After a series of upgrading, positive UV-CTP Plate has realized the traits of consistency,high sensitivity, accurate lattice point and long run-length,which meet the requirements from various Plate setters and customers.





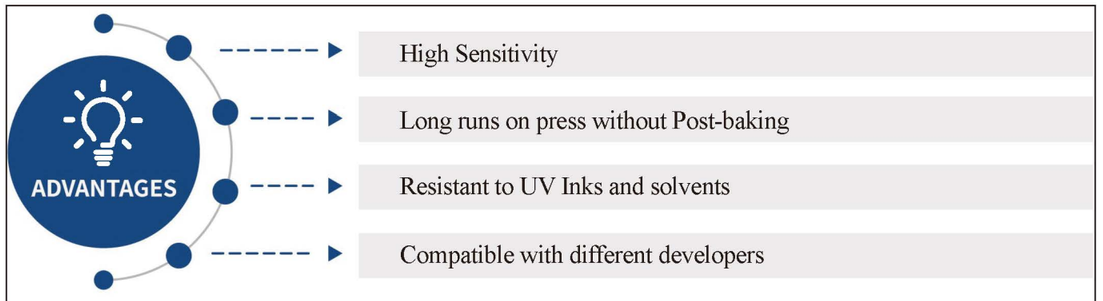

| Type: | Positive UV CTP Plate |
|---|---|
| Color: | Green |
| Spectral Sensitivity: | 400~410nm |
| Exposure Energy: | 50~60 mj/cm² |
| Resolution: | 200lpi(2~98%) |
| Safelight: | Yellow Light |
| Developing Time: | 20~30 seconds (Solution: Water=1:4,23±2°C) |
| Run-Length: | 50,000~100,000 (Unbaked) |
| *Run-Length varies with its printing conditions and imaging content | |



# UV-CTP-SII Positive UV-CTP Plate

UV-CTP-SII is dedicated to high Level customers whoare using UV-CTP Plates.lt has high sensitivity, moremun lengths, and can working with the UV Ink printing

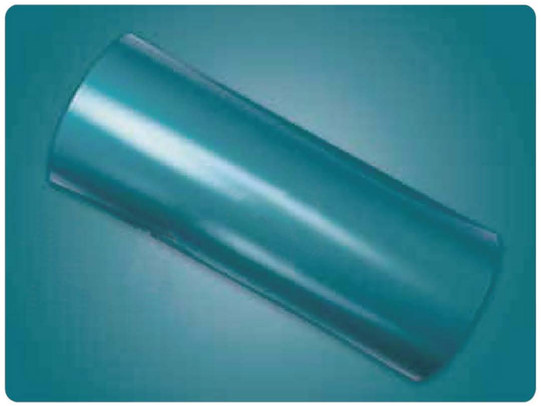


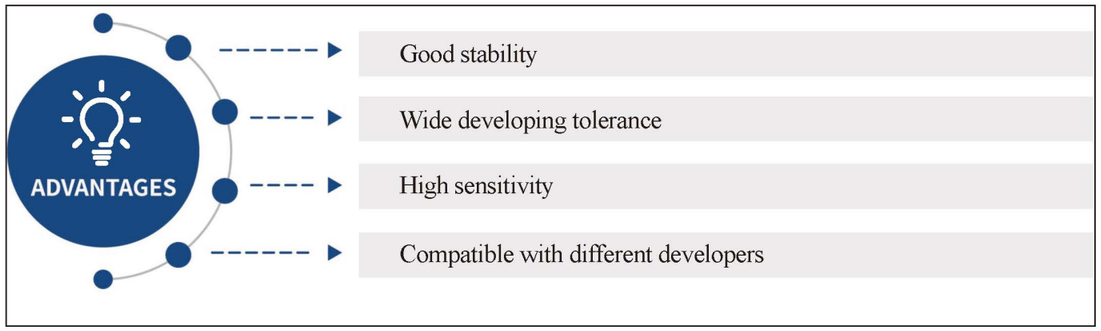



| Type: | Positive UV CTP Plate |
|---|---|
| Spectral Sensitivity: | 400~410nm |
| Exposure Energy: | 40~50 mj/cm² |
| Resolution: | 200lpi(2~98%) |
| Developing Time: | 20~30 seconds (Solution:Water=1:4,23±2°C) |
| Run-Length: | 50,000~100,000(UV-Ink)/100,000-200,000(Conventional Ink, Unbaked) |
| *Run-Length varies with its printing conditions and imaging content | |

# Positive PS Plate

With its features of stable performance,high sensitivity,wide developing tolerance and long run-length,positive PS Plates has been in good grace of customers it's lanched.






| Type: | Positive PS Plate |
|---|---|
| Spectral Sensitivity: | 320~450nm |
| Exposure Duration: | 30 seconds aprox 20 pulses (3kw lodine-Gallium Lamp, from 1 m, UGRA PCW82 control strip the third section un-inking) *Duration varies with its printing conditions and materials. |
| Resolution: | 200lpi(2~98%) |
| Safelight: | Yellow Light |
| Developing Time: | 20~30 seconds (Solution: Water=1:7,23±2°C) |
| Run-Length: | 50,000~100,000 (Unbaked) |



# LQ-PD-S Developer




## Advantages:

1、Long Developing cycle: 15 Days ( or 1500m²);

2、No crystallization;

Remarks: LQ-PD-S is divided into developer (white cover;conductivity: 98-100MS/cm) and replenisher (red cover; conductivity: 103-105MS/cm).




# LQ-UV-CTP Developer

## Advantages:

1、Longer developing life (6 Days, or 1000m² )

2、No-precipitation

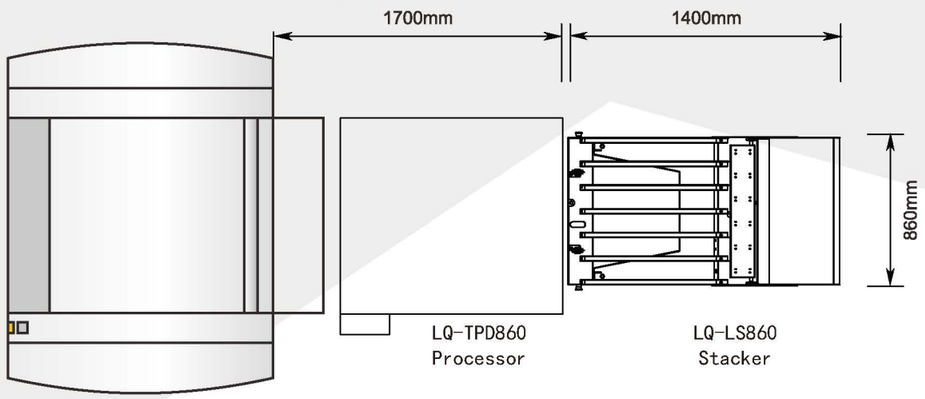
3、Sharp dots

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# LQ-TPD (Series)

## Automatic Thermal CTP Plate Processor








Computer-controlled automatic thermal CTP Plate processor LQ-TPD series are included steps as follow: Developing, Washing, Gumming, Drying. Unique solution cycle ways and accurate temperature control, guarantee accurate and uniform Lattice reappearance.

## Speciality:

1.Computer-controlled process, suitable for 0.15-0.4mm all kinds of CTP Plate.
2. Solution of the liquid temperature PID control, accuracy up to±0.5°C.
3. Scientific solution of the circulatory system to ensure uniform temperature.
4. Developing speed, brush rotate speed is all digitally processed,stepless gear is also available.
5. Temperature setting and actual temperature clearly displayed,alarming and error-displaying also available.
6.Accurate developing liquid supply system, liquid guaranteed stable.
7.Special water-saving design, water running only when plate is moving, no more whole-process water consuming.
8.Automatic rubber roller smoothing, avoiding rubber roller drying out after long-time standing by.
9. Automatic rubber roller cleaning, avoiding rubber roller harden after long-time break.
10.Automatic alarm to remind the replacement filter system to ensure the quality of reappearance.
11.The transmission parts are with super wear-resistant materials ensuring continuous use for three years without replacing any parts.

## Select Accessories:

1.Automatic water circulation processing system.
2.Smart developer automatic replenishment system.
3.Inline automatic punching and bending machine.

## Specifications:

| Model | LQ-TPD860 | LQ-TPD1100 | LQ-TPD1250 | LQ-TPD1450 | LQ-TPD1650 |
|---|---|---|---|---|---|
| Max.plate width | 860mm | 1150mm | 1300mm | 1500mm | 1700mm |
| Dev.liter | 40L | 60L | 60L | 90L | 96L |
| Min.plate length | 300mm | | | | |
| Plate thickness | 0.15-0.4mm | | | | |
| Dev.temp | 15-40°C | | | | |
| Drv.temp | 30-60°C | | | | |
| Dev.speed(sec) | 20-60(sec) | | | | |
| Brush.speed | 20-150(rpm) | | | | |
| Power | 1Φ/AC220V130A | | | | |
| Net.weight | 380Kg | 470Kg | 520Kg | 700Kg | 850Kg |
| LxWxH (mm) | 1700x1240x1050 | 1900x1480x1050 | 2100x1760x1050 | 1560x1885x1050 | 1730x1885x1050 |

※LQ-TPD1100-C, Amang them,"C" represents a bridge with belt ransmision,which is foldable and convenient for mainienance and upkeep ofthe machine.
※LQ-TPD1250-T, Among them,"T" represents an extended loading platform, which facilitates manual loading.

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# LQ-LTP (Series)

## Corner Conveyor

Turn the lateral plate from the CTP Plate-making machine 90° into the processor which can reduce the width and cost, both with the function of machine bridge and to coordinate the height and speed difference between the processor and plate-making machine. One CTP plate-making machine can be connected to three processors through the conveyor at the same time, improving the overall efficiency.



### Speciality:

1.Continuously variable speed in two directions, adaptability
2. Pneumatic lift plate, light and fast.
3.Two-stage height adjustment, meet the height difference between the processor and plate-making machine.
4.Automatically determine the position of the plate to avoid the overlapping plate into the processor.

### Select Accessories:

1.Two or three directions to connect the processor model.
2.Determine the plate size and send plates by the size.
3. Accept orders of special specifications or special requirements.

### Specifications:

| Model | LQ-LTP860 | LQ-LTP1250 | LQ-LTP1650 |
|---|---|---|---|
| Max.plate width | 860x1100mm | 1200x1500mn | 1425x1650mn |
| Min.plate length | 400x220mm | 400x220mm | 400x220mm |
| Speed | 0-6.5m/mim | 0-6.5m/mim | 0-6.5m/mim |
| LxWxH (mm) | 1645x1300x950mm | 1911x1700x950mm | 2450x1900x950mm |
| Power | 1Φ220V/2A 50/60HZ | | |



# Littho Plate Automatic Stacker


LQ-LS860


LQ-LR860


LQ-PSR940U


LQ-LR1650

### Specifications:

| Model | LQ-LRB60(V) | LQ-LR1100(H) | LQ-LR1250 | LQ-LR1350 |
|---|---|---|---|---|
| Max.plate width | 1100x860mm | 1100x860mm | 1500x1250mm | 1630x1350mm |
| Min.plate length | 400mm | 400mm | 400mm | 400mm |
| Speed | 0-3m/min | 0-3m/min | 0-3m/min | 0-3m/min |
| LxWxH (mm) | 1588x872x1430mm | 1720x1260x1265mm | 2028x1210x1635mm | 2230x1250x1795mm |
| Power | 1Φ220V/2A 50/60Hz | | | |

| Model | LQ-LR1450(H) | LQ-LR1650(L) | LQ-DLR1650(H) | LQ-LR1680 | LQ-LR2080 |
|---|---|---|---|---|---|
| Max.plate width | 1250x1450mm | 1650x1325mm | 1650x1325mm | 1860x1425mm | 2080x1600mm |
| Min.plate length | 400mm | 400mm | 400mm | 500mm | 500mm |
| Speed | 0-3m/min | 0-3m/min | 0-3m/min | 0-3m/min | 0-3m/min |
| LxWxH (mm) | 1600x1450x1420mm | 2530x1700x1780mm | 1680x1780x1660mm | 2530x1900x1780mm | 2680x2100x1780mm |
| Power | 1Φ220V/2A 50/60Hz | | | | |

※LQ-LR1250-L, Among them,"L" represents the enlacaed model, which can be verically collected as 1630*1260 plates

# LQ-APB860 Fully Automatic Inline Punching And Bending Machine



Application:lt is designed and developed for the customers with CTP machine to achieve the fully automatic plate making process,result in great labor saving and high efficiency improvement.

## Speciality:

1. Fully automatic inline working, no monitoring
2. Available to achieve punching and bending for different plate sizes by one machine
3. Self plate stacking rely on size difference of plates
4. Customized designed according to different requirement of customers on functions
5. Connect with several units of CTP machines simultaneously to enjoy the high efficiency of inline punching,bending and stacking
6. Flexible operation interface,easy functions and data set up
7. Equip with faulty identification and notification

## Specifications:

| Item | Automatic inline punching and bending system | Max plate size | Processing capacity Plate/h |
|---|---|---|---|
| Punching and bending | LQ-APB860-N | 1160*960mm | 80 sheets/hour |
| Only punching | LQ-AP860-N | 1160*960mm | 100 sheets/hour |
| Only bending | LQ-AB860-N | 1160*960mm | 120 sheets/hour |
| Large fomart punching | LQ-AP1300-N | 1500*1200mm | 80 sheets/hour |
| Ultra-large fomart punching | LQ-AP1650-N | 1650*1380mm | 60 sheets/hour |

※Note:We can customize APB1300/1650with bending function

1. Available to choose cross and longitudinal plate feeding,w means big edge feeding in(cross).
2. "N" means the number of plate stacker to be connected,1 or without number means only one stacker.

# LQ-CCD780P (Series)



# Plate Punching And Bending Machine

## Speciality:

1. CCD lens with 40 times of enlargements and reticle, so location clearer and simpler.
2. Fore-and aft, right-and-left, diagonal angel of PS, plate can be adjusted simultaneously. Plus micro-adjust settings are equipped.
3. Stable pneumatic punching method, easy and convenient.
4. Punching one time, imprinting once upon machine, time of exchanging plates economical.
5. Exactitude location,remarkably improving the printing quality.
6. Efficiency of the imprinter enhanced in large scale, so personnel labor intensity reduced.
7. Printing ink and paper saved, many a little makes a mickle.
8. Suiting any model of offset printing press.
9. That different type of hole realized on one machine, is more economical.

## Select Accessories:

1.Optional P.S. plate bending system with bending right-angle or arc-angle.
2. Tabletop inspiration installment, enhancing the stability of bending punching plate.
3. Electrical focusing installment, procedure controlled.

## Specifications:

| Model | LQ-CCD780P | LQ-CCD780P |
|---|---|---|
| Feature | punching | Punching+ Beb ding plate |
| Plate size | 26”/28”/32”/40”/44”/50” | |
| Power supply | Power supply | |
| Net weight | 260Kg | 320Kg |



# Baking Oven



## Speciality:

1. The plate is without deforming after baking so that it makes high precision of color registration.
2. The run length of plate will be greatly improved and it is also compatible with UV ink printing with regular plate.
3. It can work on both inline and offline condition.
4. It adopts PID automatic temperature replenishment and control system which guarantees the even and stable temperature.
5. It is equipped with air exhaust pipe which can keep the ambient temperature into a centain range.
6. Unique design of hot air exhaust system which creat a quick cooling effect of the machine.
7. It adopts free maintainess technology, no need to add anti-high temperature lubrication oil.
8. Multi layer heat preser vation design, to invoid of thermal loss.

## Specifications:

| Model | LQ-BK1300 |
|---|---|
| Max.Width | 1300mm |
| Baking temp | 230-270℃ |
| Baking time | 6min |
| Speed | 40pcs/hour |
| Power supply | 3Φ/AC380V/13KW |
| LxWxH | 2750x1940x2170mm |
| Net weight | 890Kg |

# Selection of Customer Solutions









# Thermal & UV CTP LQ830



## Technical Parameters

| Model | LQ830T/U-I | LQ830T/U -II | LQ830T/U -III |
|---|---|---|---|
| Laser system | 830/405nm LD,32 channels | 830/405nm LD,48 channels | 830/405nm LD,64 channels |
| Resolution | 2400dpi | | |
| Output speed (745mm×605mm) | 15p/h | 25p/h | 30p/h |
| Exposure Structure | External drum | | |
| Plate size | Max. 830mm×660mm; Min. 450 mm×340mm | | |
| Plate thickness | Thermal（830nm）0.15～0.4mm/UV（405nm）0.15～0.4mm | | |
| Max hanged line | 300lpi | | |
| FM dots output | 15μm | | |
| Repeatability | ± 0.005mm | | |
| Power supply | AC 220V/50/60Hz 5kW Peak（Single phase） | | |
| External dimension | L×W×H =1950mm×1120mm×1130mm 1200kg | | |