

让工业印刷变得
简单 环保 高效
Industrial printing can be
simple environment-
friendly and efficient



工业平板喷墨 打印设备

INDUSTRIAL FLATBED
INKJET PRINTER

RUI CHUANG DIAN QI



洛阳市锐创电气设备有限公司

LUOYANG RUICHUANG ELECTRICAL EQUIPMENT CO., LTD

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洛阳市锐创电气设备有限公司

LUOYANG RUICHUANG ELECTRICAL EQUIPMENT CO., LTD

洛阳市锐创电气设备有限公司成立于2002年，是一家以高低压成套配电设备、自动化生产线及智能数控设备（数控发泡密封涂胶设备、工业平板打印设备、螺柱焊接系统、激光焊接系统、激光切割机等）、智慧电力云平台、工业机器人应用的设计、生产、安装、调试、维修、培训为一体的综合性制造施工总承包的高科技企业。

Luoyang Ruichuang Electrical Equipment Co., Ltd. was established in 2002. It is a high-tech enterprise that provides comprehensive manufacturing and construction services, integrating the design, production, installation, commissioning, maintenance and training of high and low voltage complete sets of power distribution equipment, automated production lines and intelligent CNC equipment (CNC foam sealing equipment, industrial flatbed printing equipment, stud welding systems, laser welding systems, laser cutting machines, etc.), smart power cloud platforms, and industrial robot applications.



拥有ISO9001，ISO14001，CE以及多项国家专利证书

Having ISO9001, ISO14001, CE and multiple national patent certificates

公司秉承着“锐意进取，创新超越”的企业精神，一直在产品研发上不断投入，使得产品更新及技术先进性一直位于国内领先，已经形成从工程/产品设计、基础原材料到成套产品全过程的生产及服务。

Adhering to the enterprise spirit of "forging ahead with determination, innovating and surpassing", our company has been continuously investing in product research and development, making its product updates and technological advancement always in the leading position in China, and has formed a full process of production and service from engineering/product design, basic raw materials to complete sets of products the whole process of production and service.

绚丽色彩在这一刻绽放，让工业印刷变得简单、环保、高效。

Brilliant colors bloom at this moment, making industrial printing simple, environmentally friendly and efficient.

基于多年钣金行业制作加工经验，我们公司研发出满足钣金行业特点和需要的工业平板喷墨打印机，无需制版，全程电脑操作，全彩图像一次完成，可在各种材料（金属、陶瓷、水晶、皮革、有机玻璃、布料、石材、亚克力、塑料、木制品等）表面进行彩色喷绘。

Based on many years of experience in sheet metal manufacturing and processing, our company has developed an industrial flatbed inkjet printer that meets the characteristics and needs of the sheet metal industry. It does not require plate making, and the entire process is computer-operated. Full-color images can be completed in one go, and can be used for color printing on the surfaces of various materials (metal, ceramics, crystal, leather, plexiglass, cloth, stone, acrylic, plastic, wood products, etc.).

适用于钣金件、PVC、亚克力、玻璃等多种材质的高速高分辨率打印，满足工业制造的多样化需求；可应用于机箱机柜、通信、电子电器、广告、包装、装修等行业。

It is suitable for high-speed and high-resolution printing of various materials such as sheet metal, PVC, acrylic, glass, etc., meeting the diverse needs of industrial manufacturing; it can be used in chassis cabinets, communications, electronic appliances, advertising, packaging, decoration and other industries.

采用工业级打印喷头，可实现快速定位打印，图案高清打印、小字打印；打印速度快、精度高、寿命长、印刷幅面大，具有大批量生产性能、稳定易操作、效果持久不易脱色、可适应各种环境等优势。省时省墨，经济实用，效率高，适合小批量多品种加工，可替代丝网印刷。

It uses industrial-grade print heads, which can achieve fast positioning printing, high-definition pattern printing, and small-character printing; it has fast printing speed, high precision, long life, and large printing format. It has the advantages of mass production performance, stable and easy operation, long-lasting effect, not easy to fade, and can adapt to various environments. It saves time and ink, is economical and practical, and has high efficiency. It is suitable for small-batch and multi-variety processing and can replace screen printing.



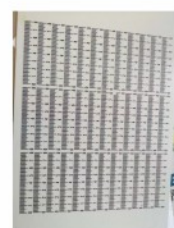
应用实例 APPLICATIONS



消防控制面板
Fire control panel



亚克力标识牌
Acrylic signboard



喷塑面板刻度尺
Plastic spraying panel scale



通讯机柜门
Communication cabinet door



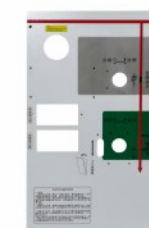
塑胶地毯
Plastic carpet



公司logo
Company logo



标牌
Signboard



负荷开关指示牌
Load switch direction board



仿木纹钢质门
Imitation wood grain steel door



发电机面板
Generator panel



出线柜门
Outgoing electrical cabinet door



充电桩附件
Charging pile accessories



柜子面板
Cabinet panel



金属外壳
Metal shell



警示牌
Warning board



加油机
Oiling machine



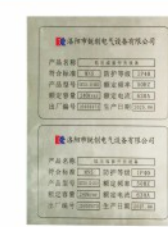
3D仿木雕
3D Imitation wood carving



山水画
Landscape painting



厨房玻璃背景墙
Kitchen glass background wall



铭牌
Nameplate



充电桩
Charging pile



挡板
Baffle plate



电梯检测仪外壳
Elevator detector enclosure



礼品盒
Gift box



电信机顶盒
Telecom set-top box



窗帘
Curtain



室内木门
Wooden doors internal



机柜眉头
Cabinet sign



在线除气过滤设备
Online degassing&filtering unit



电气柜壳体
Electric cabinet panel



高压环网柜
High-voltage ring main unit

技术优势 TECHNOLOGY ADVANTAGES



使用成本低 /LOW COST OF USE

耗材仅须专用墨水，用量很少几乎没有浪费，而且价格低于丝印油墨，同时没有制网版费。
The consumables only require special ink, which is used in very small amounts with almost no waste, and the price is lower than silk-screen ink, and there is no screen-making fee.



环保无污染 /ENVIRONMENTALLY FRIENDLY

墨水通过环境安全检测，不含VOC，对环境无污染。
The ink has passed environmental safety testing, without VOC, no pollution to the environment.



人工成本低 /LOW LABOUR COSTS

电脑操作，无需专业技能，无人员依赖，一个工人就可完成操作。
Computer operated, no need for professional skills, no personnel dependence, one worker can complete the operation.



操作简单便捷 /SIMPLE AND EASY OPERATION

无须制版，普通电脑操作，配有专业色彩管理软件，可随时随地改色，图片可直接存档，下次打印直接调取，几分钟即可打印，所有颜色一次完成。

No plate making, ordinary computer operation, equipped with professional colour management software, you can change the colour at any time, the picture can be directly archived, the next print is directly retrieved, a few minutes to print, all the colours in one print.

而传统丝网印刷，工人操作对位、加墨、洗版工序繁琐，而且味道刺鼻。

The traditional screen printing, the workers operate the alignment, inking, washing process is cumbersome, and the smell is pungent.



印刷效果好 /EXCELLENT PRINT RESULTS

适用于多种材质，全彩图像，一次完成，颜色丰富，清晰度高，3D效果、浮雕效果、渐变色均可打印，废品率为零，耐腐蚀性强，效果持久。

Applicable to a variety of materials, full-colour images, one-time completion, rich colours, high clarity, 3D effects, embossed effects, and gradient colour can all be printed, zero scrap rate, corrosion resistance, long-lasting effect.



生产效率高 /HIGH EFFICIENCY

系统可自动排版设置图片的尺寸、间距，一次排版多张图片，批量打印多块工件，快捷高效。紫外光固化技术可使打印的图案瞬间固化，打完即可包装，节省仓储面积60%~80%。

The system can automatically typeset the size and spacing of pictures, multiple pictures can be typeset at a time, mass printing, fast and efficient. UV curing technology can make the printing solidify instantly, and packaging can be finished immediately after that, saving 60%~80% of storage area.

型号说明 MODEL DESCRIPTION

RC-P-□-□/□

打印平台	Printing Platform
喷头品牌及数量	Printhead Brand and Amount
打印尺寸	Printing Size
喷墨打印机系列	Printer Series
锐创公司	Ruichuang Company

具体选型请参考下表 / Please refer to the table below for machine model selection

打印尺寸 Printing Size	2500 × 1500mm (2515)
	1600 × 1300mm (1613)
	其它尺寸可按要求定制 Other size can be customised on request
喷头品牌及数量 Printhead Brand and Amount	2-8个理光G5喷头 2-8*Ricoh(4R5)
	2-8个理光G6喷头 2-8*Ricoh(4R6)
	2个爱普生七代喷头 2*Epson(2E7)
	2-4个爱普生I3200喷头 2-4*Epson(2E3)
	2-4个爱普生TX800喷头 2-4*Epson(2E8)
打印平台 Printing Platform	喷头数量可按要求定制 Number of printhead can be customized as required
	玻璃单平台 Glass Single Platform(GS)
	吸风单平台 Suction Single Platform(SS)
	电动升降单平台 Electric Lifting Platform(EL)
	手动双平台 Manual Double Platform(MD)

注：具体应用与技术要求请与我司销售代表沟通。
Note: Please discuss the applications & technology requirements with our sales representative.

机型介绍
MODELS INTRODUCTION

标准单平台喷墨机
STANDARD SINGLE PLATFORM PRINTER



机架采用整体焊接式钢构机架，100×100mm方管整体焊接，保证钢架结构牢固稳定不变形。平台底座结构采用高精度龙门铣床铣平，精度更高。

The frame adopts an integrally welded steel frame, and the 100*100mm square tube is integrally welded to ensure that the steel frame structure is firm, stable and not deformed. The platform base structure is milled flat by a high-precision gantry milling machine with higher precision.



双静音导轨结构设计，保证打印时移动运行稳定，提高打印精度。Z轴行程为300mm，便于大型工件放置，高工件也能方便打印。打印平台有多点调高装置，可以保证打印平面任意一点高度误差在0.2毫米以内，使得打印效果更精确。该机型印刷幅面大、速度快、精度高、耐用、故障率低，维护成本低，具有大批量生产性能稳定、可适应各种环境等优势。

The double silent guide rail structure design ensures stable movement during printing and improves printing accuracy. The Z-axis stroke is 300mm, which is convenient for placing large work-pieces, high work-pieces can also be printed conveniently. The printing platform has a multi-point height adjustment device, which can ensure that the height error of any point on the printing plane is within 0.2 mm, making the printing effect more accurate.

This model has a large printing format, fast speed, high precision, durability, low failure rate and low maintenance cost. It has the advantages of stable mass production performance and adaptability to various environments.

技术参数 / Technical Parameters

设备型号 Model	RC-P-2515-□/GS
喷头类型 Printhead	理光或爱普生喷头，可根据客户要求选配 Ricoh or Epson, upon the customer's requests
打印速度 Print Speed	由所选喷头决定 Depends on the printhead selected
打印尺寸 Print Size	2500×1500mm
打印高度 Print Height	0-300mm
打印模式 Print Mode	单向和双向 Unidirectional printing and bidirectional printing
设备外形尺寸 Machine Dimension	L4100×W2300×H1700mm
工作环境 Working Environment	工作湿度：30%-60% 工作温度：20℃-30℃ Working Humidity: 30%-60% Working Temperature: 20℃-30℃
电源要求 Power Requirement	交流220V (±10%) ; 50/60Hz; 12A可靠接地 AC 220V(±10%); 50/60HZ; 12A reliable earthing

电动升降平台喷墨机» ELECTRIC LIFTING PLATFORM PRINTER



为满足客户产品的多样性，不同成型的产品表面也需要打印的要求，我公司开发出一款高尺寸产品专用-平台可升降平板喷墨机。

In order to meet the diversity of customer products and the requirement of printing on the surface of different molded products, our company has developed a large-sized product specific platform adjustable flat inkjet printer.

该机型的打印头可以升降30cm，工作平台可上升下降55cm，即最高可满足85cm高度工件的打印要求。前后互通工作平台，方便大型工件装卸。平台升降系统通过一套伺服电机和丝杆联动机构，保证平台升降平稳准确，可以在任意位置启停，同时保证台面的水平。

通过对电机系统、机架结构及横梁系统进行优化，实现了超高工件打印的需要，不仅可满足高精度打印要求，且可避免车头抖动造成的影响。

双液晶触摸屏，一个控制墨水参数，另一个控制工作平台的高度和运动速度。

The print head of this model can be raised and lowered by 30cm, and the working platform can rise and fall by 55cm, which can meet the printing requirements of work-pieces with a height of up to 85cm. The front and rear working platforms are interconnected, which is convenient for loading and unloading large work-pieces. The platform lifting system uses a set of servo motors and screw linkage mechanisms to ensure that the platform can be raised and lowered smoothly and accurately, and can be started and stopped at any position while ensuring the level of the table.

We have optimized the motor system, frame structure and beam system to meet the needs of ultra-high work-piece printing, which can not only meet the requirements of high-precision printing, but also avoid the impact caused by the shaking of the head of the machine.

Dual LCD touch screens, one controls the parameters of the ink car, and the other controls the height and movement speed of the working platform.

» 技术参数 / Technical Parameters

设备型号 Model	RC-P-2515-□/EL
喷头类型 Printhead	理光或爱普生喷头，可根据客户要求选配 Ricoh or Epson, upon the customer's requests
打印速度 Print Speed	由所选喷头决定 Depends on the printhead selected
加工范围 Processing range	X轴: 2500mm Y轴: 1500mm Z轴: 850mm X-axis: 2500mm Y-axis: 1500mm Z-axis: 850mm
可升降区域 Liftable area	X轴: 1200mm Y轴: 1500mm Z轴: 850mm X-axis: 1200mm Y-axis: 1500mm Z-axis: 850mm
打印模式 Print Mode	单向和双向 Unidirectional printing and Bidirectional printing
设备外形尺寸 Machine Dimension	L4250 × W2320 × H1900mm
工作环境 Working Environment	工作湿度: 30%~60% 工作温度: 20℃~30℃ Working Humidity: 30%~60% Working Temperature: 20℃~30℃
电源要求 Power Requirement	交流220V (±10%) ; 50/60Hz; 12A可靠接地 AC 220V(±10%); 50/60Hz; 12A reliable earthing

双平台喷墨机» DOUBLE PLATFORM PRINTER



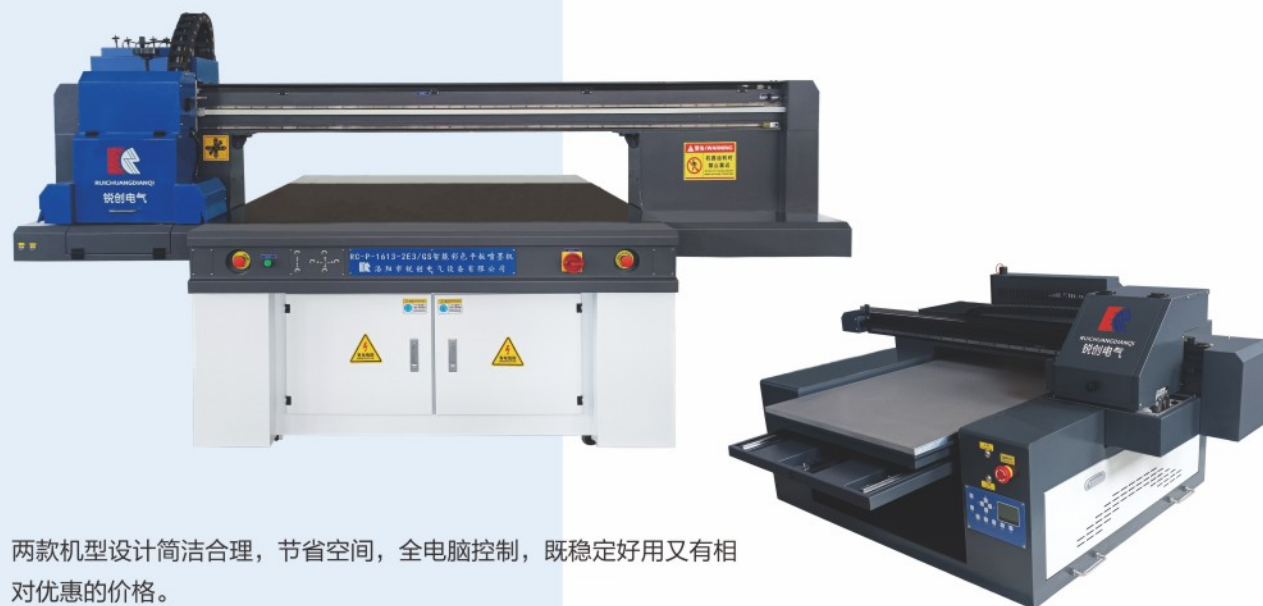
该款机型是在电动升降平台喷墨机的基础上研发的，可以有效地节约成本，满足客户对多样化产品的打印要求。上层玻璃平台为螺钉紧固设计或推拉滑道设计，便于拆卸；下层钢制平台可满足85cm高度工件的打印要求。

The model was developed based on the electric lifting platform printer, which can effectively save costs and meet customers' printing requirements for diversified products. The upper glass platform can be designed by screw fastening or sliding rail, easy to disassemble. The lower steel platform can meet the printing requirements of 85cm print height.

» 技术参数 / Technical Parameters

设备型号 Model	RC-P-2515-□/MD
喷头类型 Printhead	理光或爱普生喷头，可根据客户要求选配 Ricoh or Epson, upon the customer's requests
打印速度 Print Speed	由所选喷头决定 Depends on the printhead selected
加工范围 Processing range	X轴: 2500mm Y轴: 1500mm Z轴: 第一层玻璃平台0~300mm, 第二层钢制平台0~850mm X-axis: 2500mm Y-axis: 1500mm Z-axis: 0~300mm for the first glass platform, 0~850mm for the second steel platform
打印模式 Print Mode	单向和双向 Unidirectional printing and Bidirectional printing
设备外形尺寸 Machine Dimension	L4150 × W2270 × H2100mm
工作环境 Working Environment	工作湿度: 30%~60% 工作温度: 20℃~30℃ Working Humidity: 30%~60% Working Temperature: 20℃~30℃
电源要求 Power Requirement	交流220V (±10%) ; 50/60Hz; 12A可靠接地 AC 220V(±10%); 50/60Hz; 12A reliable earthing

经济机型打印机 »» COMPACT & ECONOMICAL PRINTER



两款机型设计简洁合理，节省空间，全电脑控制，既稳定好用又有相对优惠的价格。

The two models have a simple and reasonable design, save space, and are fully computer-controlled. They are stable and easy to use, and have relatively favorable prices.

»» 技术参数 / Technical Parameters

设备型号 Model	RC-P-1613-□/GS	RC-P-6090/2E
喷头类型 Printhead	理光或爱普生喷头，可根据客户要求选配 Ricoh or Epson, upon the customer's requests	爱普生XP600 Epson XP600
打印平台 Printing platform	玻璃 Glass	铝吸风 Aluminium suction
打印速度 Print Speed	由所选喷头决定 Depends on the printhead selected	5-8m ² /h
打印尺寸 Print Size	L1600mm × W1300mm	L600mm × W900mm
打印高度 Print Height	0-300mm	0-180mm
高度调节 Height adjustment	机头升降 Printhead lifting and lowering	平台升降，自动调节 Platform lifting and lowering, Automatic adjustment
打印模式 Print Mode	单向和双向 Unidirectional printing and Bidirectional printing	
设备外形尺寸 Machine Dimension	L2950 × W2100 × H1650mm	L1400 × W1550 × H650mm
工作环境 Working Environment	工作湿度：30%-60% 工作温度：20℃-30℃ Working Humidity: 30%-60% Working Temperature: 20℃-30℃	
电源要求 Power Requirement	交流220V (± 10%) ; 50/60Hz; 12A可靠接地 AC 220V(± 10%); 50/60HZ; 12A reliable earthing	

铝吸风平台喷墨机 »» SUCTION PLATFORM FLATBED INKJET PRINTER



该机型采用铝吸风平台，吸附不同材质，可随意调节吸风区域和风量。平台表面硬度高、耐腐蚀、吸风均匀稳定。减少喷头与介质之间的摩擦，延长喷头使用寿命。印刷幅面大、速度快、精度高、耐用，具有大批量生产性能稳定、可适应各种环境等优势。

The machine adopts aluminum suction platform, adsorb different materials, which can adjust the suction position and air volume at will. High hardness, corrosion resistance and steady air absorption. The platform can reduce effectively friction between printhead and printing media, extend the printhead life. It has large printing format, fast speed, high precision and durability, and has the advantages of stable mass production performance and adaptability to various environments.

»» 技术参数 / Technical Parameters

设备型号 Model	RC-P-2515-□/SS
喷头类型 Printhead	理光或爱普生喷头，可根据客户要求选配 Ricoh or Epson, upon the customer's requests
打印速度 Print Speed	由所选喷头决定 Depends on the printhead selected
打印尺寸 Print Size	2500mm × 1500mm
打印高度 Print Height	300mm
打印模式 Print Mode	单向和双向 Unidirectional printing and Bidirectional printing
设备外形尺寸 Machine Dimension	L4160 × W2350 × H1700mm
工作环境 Working Environment	工作湿度：30%-60% 工作温度：20℃-30℃ Working Humidity: 30%-60% Working Temperature: 20℃-30℃
电源要求 Power Requirement	交流 220V (± 10%) ; 50/60Hz; 12A 可靠接地 AC 220V(± 10%); 50/60HZ; 12A reliable earthing

理光G6工业喷头喷墨打印机 >>> RICOH G6 INDUSTRIAL INKJET PRINTER



理光G6工业型喷头打印机是锐创针对广大客户需求研发的高速工业型UV平板打印机，可配置2-8个工业理光喷头，打印速度更快（比G5喷头快接近一倍），精度更高，平台坚固耐用，尺寸灵活可定制。满足众多行业客户的打印需求！

Ricoh G6 industrial printer is a high-speed industrial UV flatbed printer developed by Ruichuang for the needs of our customers. It can be configured with 2-8 industrial Ricoh print heads, with faster printing speed (nearly twice as fast as G5 print heads) and higher accuracy. The platform is sturdy and durable, and the size is flexible and customizable. Meet the printing needs of customers in many industries!

G6喷头UV打印机，相比G5喷头UV打印机有显著的提升 G6 UV printer, compared with G5 UV printer, has a significant improvement



高墨水兼容性 /High ink compatibility

同时兼容UV/水性/溶剂墨水，墨水兼容能力强，应用面广泛，以及白彩同出，浮雕、光油效果能够一次打印完成，成像效果更逼真，且不易堵头。

Compatible with UV/water-based/solvent inks at the same time, with strong ink compatibility, wide application range, and white color output at the same time, embossing and varnish effects can be printed at one time, the imaging effect is more realistic, and not easy to block the head.



高产能 /High productivity

最高50KHz的大墨滴点频率，满足高速化需求；相比起目前市面上理光G5机型速度提升50%，同等分辨率打印模式下，节省1/2的打印时间。快速提升打印机的效率。

The ignition frequency of large ink droplets up to 50KHz meets the high-speed demand; compared with the current Ricoh G5 models on the market, the speed is increased by 50%, and the printing time of the same resolution printing mode is saved by 1/2. Quickly improve the efficiency of the printer.



高精度 /High precision

全新的可变墨技术，墨滴更小，从7PL提升到5PL；支持多级灰度打印，针对不同应用场景，提供最优化的视觉体验；提升墨滴着点精度，以及更小的墨滴，实现更平滑、更细致的打印效果。

The new variable ink technology, the ink droplets are smaller, from 7PL to 5PL; support multi-level grayscale printing, provide the most optimized visual experience for different application scenarios; improve the accuracy of ink droplets, and more Small ink droplets achieve a smoother and more detailed printing effect.



维修便利 /Easy maintenance

理光G6喷头数据线连接为可拆分，为售后维修与喷头维护保养提供了更便利的设计。

Ricoh G6 print head data cable is detachable, which provides a more convenient design for after-sales repair and print head maintenance.

改进功能如下

The improved features are as follows

直线电机 /Linear Motor

X轴传动方式由原有的伺服马达传动，改为直线电机传动，使用寿命长，功耗更低，传动性更稳，定位更精准。保证设备在高速度、高精度中的稳定打印。

The X-axis transmission mode is changed from the original servo motor drive to linear motor drive, which has long service life, lower power consumption, more stable transmission and more precise positioning. Ensure the stable printing of the equipment at high speed and high precision.



金属光栅 /Metal grating

X轴光栅尺由行业普遍使用的金属磁栅改为金属光栅、可读取20 μm栅尺，极强的抗污染能力、更高的分辨率（最高分辨率20nm）、更高的动态响应、更低的细分误差。适用于高精密机床、高速自动化设备。

The X-axis grating ruler has been changed from the commonly used metal magnetic grating in the industry to a metal grating, capable of reading 20 μm grating rulers. It features extremely strong anti-pollution ability, higher resolution (with a maximum resolution of 20nm), higher dynamic response, and lower subdivision error. It is suitable for high-precision machine tools and high-speed automated equipment.

>> 技术参数 / Technical Parameters

设备型号 Model	RC-P-2515-4R6/GS
喷头类型 Printhead	理光G6喷头 Ricoh Gen6
喷头数量 Number of Nozzles	2-8个 标配4个（1白+2彩+1光油） 2-8 PCS standard 4 PCS (1 white +2 color +1 varnish)
打印速度 Print Speed	18-28m ² /h
打印尺寸 Print Size	L2500mm × W1500mm
打印高度 Print Height	0-300mm
打印模式 Print Mode	单向和双向 Unidirectional printing and bidirectional printing
设备外形尺寸 Machine Dimension	L4150 × W2270 × H1700mm
RIP软件 RIP Software	锐印 RIPRINT
通讯接口 Communication Interface	网络接口 Network Interface
工作环境 Working Environment	工作湿度：30%-60% 工作温度：20℃~30℃ Working Humidity: 30%-60% Working Temperature: 20℃~30℃
电源要求 Power Requirement	交流220V（±10%）；50/60Hz;12A可靠接地； AC220V(±10%); 50/60HZ; 12A reliable earthing;

打印功能 >>> PRINTING FUNCTION



>> 追色功能 / Color tracking function

想打印某个背景颜色却怎么打都不像的烦恼？仅需简单的四步，你就能得到你想要的颜色，从此颜色随心掌控！

Want to print a certain background color but it doesn't look like it. In just four simple steps, you can get the color you want, and you can control the color from now on!



2530理光G6四喷头 电动升降平台

2530 Ricoh G6 four printheads
electric lifting platform

2532理光G6五喷头 铝吸风平台

2532 Ricoh G6 five printheads
aluminum suction platform



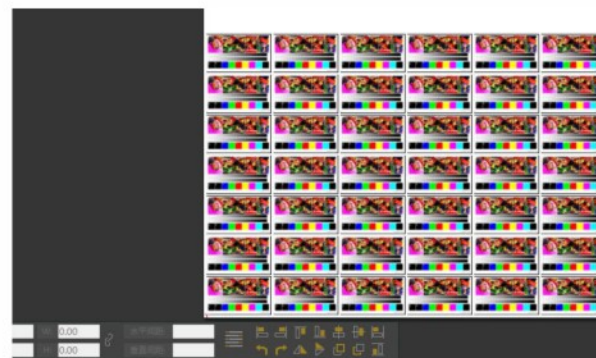
2010爱普生TX800四喷头 铝吸风手动双平台

2010 Epson TX800 Four-nozzle aluminum
suction manual dual platform

>> 工位打印 / Station Printing

当你想要打印一版图像时，不论是复制粘贴，还是横向/纵向对齐，亦或者是设置横/纵向间距等等功能，统统都有！一次搞定，烦恼全无！

When you want to print a version of the image, whether it is copy and paste, or horizontal/vertical alignment, or set horizontal/vertical spacing and other functions, all are available! Get it done once, no worries!



圆柱体打印

圆柱体打印

宽度: 0.00 mm

确定

取消

>> 圆柱/圆锥打印 / Cylinder/Cone printing

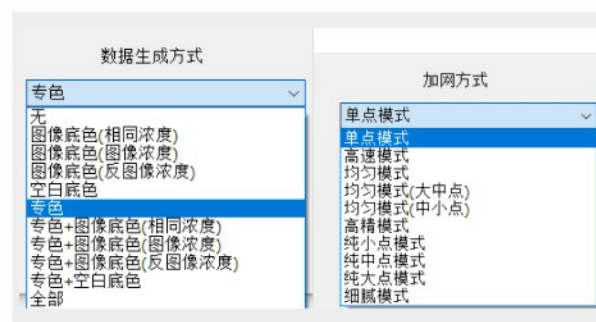
量一下需要打印的圆柱/圆锥上下周长填入即可。

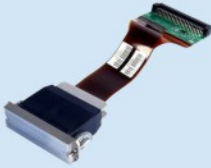
Measure the upper and lower circumference of the cylinder/cone to be printed and fill in.

>> 专色模块 / Spot color module

铺底的白墨细腻、浮雕的白墨堆高、白墨漏出来的同时光油多覆盖.....均可使用专色模块实现。

The white ink on the bottom is delicate, the embossed white ink is piled high, the white ink leaks out and the varnish is covered.....all can be achieved by using the spot color module.



图片 Picture		
型号 Model	Ricoh Gen5 (MH5420) (标配Standard)	Ricoh G6 (MH5320) (选配Option)
打印宽度 Print Width	54.1mm	54.1mm
打印速度 Print Speed/6pass	15~20m²/h	18~28m²/h
分辨率 Resolution	600dpi	600dpi
打印工艺 Print process	白彩光油同出 White&color&varnish printed at the same time	白彩光油同出 White&color&varnish printed at the same time
喷嘴数量 Nozzles Amount	1280 (4*320channels)	1280(4*320channels)
喷嘴间距 Nozzles Space	0.1693mm/Column	0.1693mm/Column
墨滴 Ink Drop	7~35pl, 可变墨滴打印 Variation points to print	5~15pl 可变墨滴打印 Variation points to print
最大点火频率 Maximum ignition frequency	30KHZ	50KHZ
支持色彩 Colors	2 colors	2 colors
适用墨水 Applicable Inks	UV/溶剂 UV/Solvent	UV/水性/溶剂 UV/Solvent/Aqueous
重量 Weight	155g	228g
喷头数量 Printhead quantity	2~8 根据客户要求配置 2~8 upon the customers' requests	2~8 根据客户要求配置 2~8 upon the customers' requests
理光喷头特点 Ricoh Printhead Features	寿命长, 精度高, 耐磨性强, 堵头率低, 功能更全面, 性能稳定, 低成本, 高效率, 低维护率, 环保, 打印速度大幅提升, 白色彩色光油同时打印, 光油可以提升图案的亮度, 效果持久; 可加装喷涂层喷头, 增加附着力, 使文字或图案可以长时间的固化在承印物的表面。 Long life, high precision, strong wear resistance, low plugging rate, more comprehensive functions, stable performance, low cost, high efficiency, low maintenance rate, environmental protection, greatly improved printing speed, white and color varnish printing at the same time, varnish can improve the brightness of the pattern, the effect is long-lasting; spray coating nozzles can be installed to increase adhesion, so that the text or pattern can be cured on the surface of the substrate for a long time.	

图片 Picture				
型号 Model	Epson I3200-U1 (标配Standard)	Epson 7th (选配Option)	Epson TX800 (选配Option)	Epson XP600 (选配Option)
打印速度 Print Speed/4 pass	12~18m²/h	6~15m²/h	5~10m²/h	5~8m²/h
打印宽度 Print Width	33.8mm	24.5mm	\	\
打印分辨率 Print Resolution	300npi/1 列 600npi/2 列	180dpi/1列 360dpi/2列	180dpi/1列 360dpi/2列	180dp/1列 360dpi/2列
打印工艺 Printing Process	白色彩色光油同时打印 (可加装喷涂层喷头) White, color, varnish printing at the same time (spray coating printhead can be added)	白色彩色同时打印 White&color printed at the same time	白色彩色光油同时打印 White, color, varnish printing at the same time	白色彩色光油同时打印 White, color, varnish printing at the same time
喷嘴数量 Number of Nozzles	3200	1440	1440	1440
墨滴 Ink Drop	2.5pl 小墨滴 可变点	3.5~5 pl 正常墨点	\	3.5pl
支持色彩 Colors	4 Colors	4 Colors	4 Colors	4 Colors
适用墨水 Applicable Inks	UV墨水 UV Ink	UV墨水/油性墨/ 溶剂墨/水性墨 UV Ink/Oil based Ink/Solvent Based Ink/Water Based Ink	UV墨水/油性墨/ 溶剂墨/水性墨 UV Ink/Oil based Ink/Solvent Based Ink/Water Based Ink	UV墨水/油性墨/ 溶剂墨/水性墨 UV Ink/Oil based Ink/Solvent Based Ink/Water Based Ink
喷头数量 Number of Printhead	1~4根据客户要求配置 1~4upon the customers' requests	2标配数量 2 standard	2~4根据客户要求配置 2~4 upon the customers' requests	2~4根据客户要求配置 2~4 upon the customers' requests
爱普生喷头特点 Epson Printhead Feature	爱普生I3200工业喷头: 工业级稳定, 打印头结构紧凑、速度快、质量好、经久耐用。 Epson I3200 Industrial Printhead: Industrial stability, compact print head structure, fast speed, good quality, durable. 可以同时达到精度和速度的要求, 整体的打印效果和速度明显提升。在价格上I3200的喷头较理光G6更加便宜, 对于生产成本来说也是一大优势。 It can meet the requirements of precision and speed at the same time, and the overall printing effect and speed are significantly improved. In terms of price, the I3200 nozzle is cheaper than the Ricoh G6, which is also a big advantage for production costs. 高分辨率: 喷嘴分辨率为(600dpi/色)可实现最多4种颜色输出。 High resolution: The nozzle resolution is (600dpi/color) to achieve up to 4 color outputs. 多灰度输出: 爱普生独有的VSDT(可变墨滴技术)可以自由控制喷射的墨滴大小, 从而减小画面颗粒感, 呈现更多画面细节、色彩过渡平滑, 饱和度高。 Multi-grayscale output: Epson's unique VSDT (Variable Drop technology) allows you to freely control the size of the droplets sprayed, thus reducing the image granularity, showing more picture detail, smooth color transition, and high saturation. 高耐久性: 因其高精密加工技术, 耐久性出色, 实现高速输出和高质量打印。 High durability: Due to its high precision machining technology, excellent durability, high-speed output and high-quality printing.			

标准配置 » STANDARD CONFIGURATIONS



» 喷头防撞装置

Anti-Collision Device for Print head

喷头左右两端安装有防撞装置，当打印过程中遇到障碍物时，系统将会启用急停，防止出现小车及喷头损坏的情况。

The left and right ends of the print head are equipped with anti-collision devices. When obstacles are encountered in the printing process, the system will enable an emergency stop to prevent damage of the car and the print head.

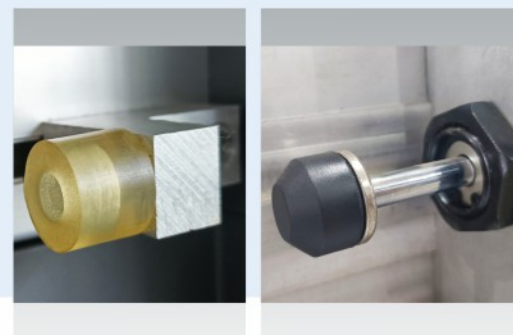


» 操作按键

Operation buttons

机器上装有上、下、前、后、左、右按键，可直接进行上下左右前后移动、方便快捷。

The machine is equipped with up, down, front, back, left, right buttons, can directly move up and down, back and forth, convenient and quick.



» 机头防撞装置

Anti-Collision Device for head

当机头行走至设备两端时，防撞装置可与机头形成缓冲，自动停机，保护机器。

When the head walks to both ends of the equipment, the anti-collision device can form a buffer with the head and automatically stop to protect the machine.



» UV LED固化灯

UV LED Curing Lamp

使用双水冷UV LED固化灯，紫外光固化技术可使打印的图案瞬间固化，打印完即可包装，节省仓储面积。

The use of dual water-cooled UV LED curing lamp, UV curing technology can make the printed pattern instant curing, printing can be packaged, saving storage area.

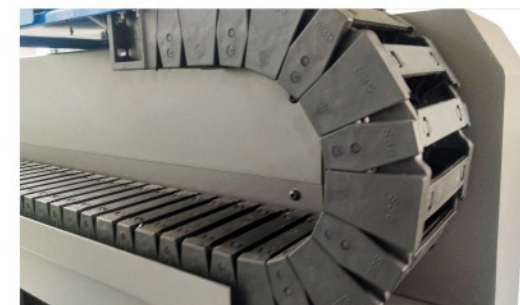


» 亚德客导轨

Airtac Guide Rail

亚德客导轨，高精度，低噪音，耐磨损，保证喷头车移动的平稳性、设备的精度及耐磨性。

Airtac Guide Rail keeps print head moving stability, with high precise, low noise, low loss.

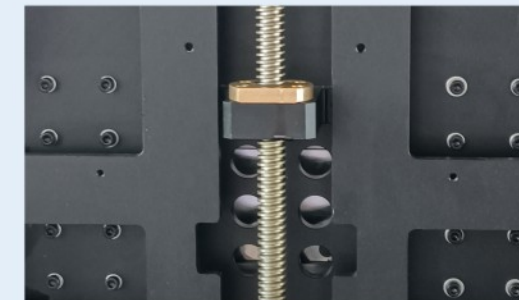


» 高速静音拖链

High-speed Mute Drag Chain

静音拖链可以减少线材耗损，减少噪音，延长使用寿命。

Mute drag chain can reduce the wear of wires, reduce running noise, extend the use life.



» 不锈钢T型丝杆

Stainless steel T-screw

不锈钢T型丝杆，耐磨损，精度高，保障精准定位。

Stainless steel T-screw, wear resistance, high precision, to ensure accurate positioning.



» 工业插头

Industrial Plug

工业插头具有防尘、防水、防溅、防腐、防误插、防脱落、耐燃、耐高温、抗老化等优越性，接插便捷，连接稳定。

Dust-proof, water-proof, splash-proof, mis-plug prevention, burn-resisting, heat-resistant, stable connection.



» 伺服电机

Servo Motor

X Y轴传动部分采用禾川伺服电机加同步带传动，持久好用，保证机械传动的精准、高速运转时打印的精度和速度。

X and Y axis drive part adopts servo motor and synchronous belt drive, durable and easy to use, to ensure the accuracy of mechanical transmission, printing precision and speed when running at high speed.

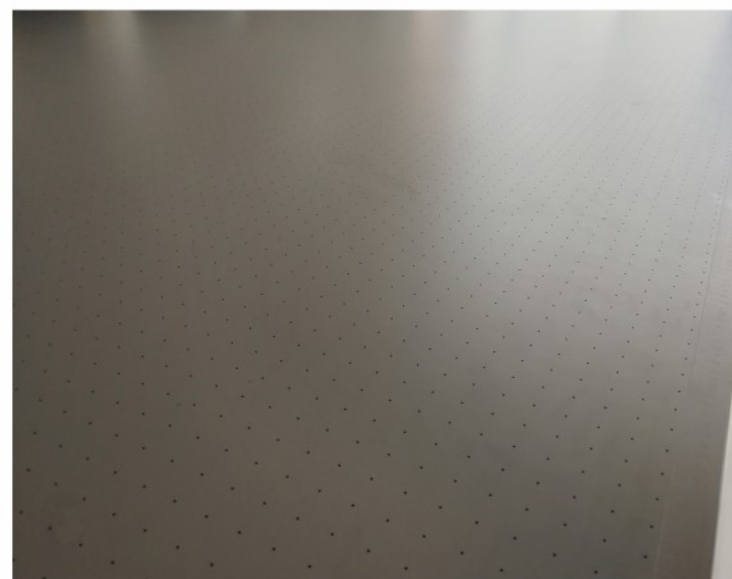
平台»
PLATFORM



» 玻璃平台（标配）
Glass platform(Standard)

清理方便，成本低廉，外形美观。

Easy to clear, cost-efficient, good looking.



» 吸风平台（选配）
Suction Platform(Optional)

吸风平台表面硬度高，耐腐蚀性强；可吸附不同材质；减少喷头与介质的摩擦，延长喷头使用寿命；风量稳定可调节；随意切换吸风区域。

The high hardness and strong corrosion resistance surface; Absorb different media to the platform; Reduce the friction between the print head and media, extend life of print head; Stable and adjustable air volume; Switch the suction area freely.

理光喷头配置单元»
CONFIGURATIONS FOR RICOH PRINTHEAD



» 供墨系统—二级墨盒供墨
Ink Supply System—Secondary ink cartridge ink supply

二级墨盒作为主墨盒和打印头之间的缓冲和调控中心，通过稳定压力、排除气泡和液位检测，确保打印头获得纯净、无间断的墨水供应。

The secondary ink cartridge serves as the buffer and control center between the main ink cartridge and the print head. By stabilizing the pressure, eliminating bubbles and detecting the liquid level, it ensures that the print head receives a pure and uninterrupted ink supply.

白墨定时搅拌循环，打印更流畅，解决了喷头堵塞的问题。

Timing Mixing and circulation function for white ink results in an effective elimination of print head clogging, more efficiency.

喷头可直接将光油喷覆在工件表面，可达到图像表面增亮的效果，使打印效果更生动，表面更光亮，效果更持久（耐腐蚀性更强）。

The Printhead can directly spray the gloss oil on the surface of the workpiece, which can achieve the effect of the image surface brightening, so that the printing effect is more vivid, the surface is brighter, and the effect is more lasting (stronger corrosion resistance).

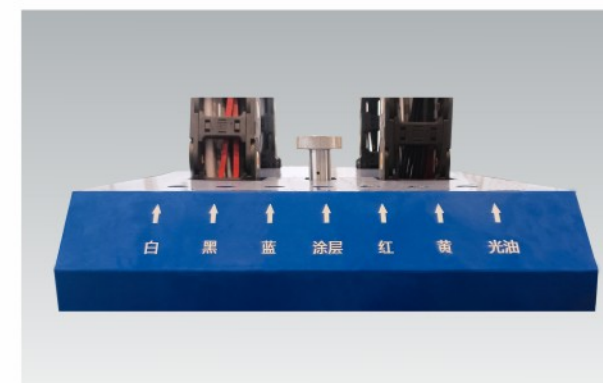
可加装喷涂层喷头，增加附着力，使文字或图案可以长时间的固化在承印物的表面；机打涂层对比人工涂层，精确度高（与墨水同形状匹配），美观度高，节省材料。

The machine can be equipped with a spray coating printhead to increase adhesion so that the text or pattern can be solidified on the surface of the substrate for a long time; compared with manual coating, machine-printed coating has high precision (matching the same shape as the ink), high aesthetics, and saves materials.

» 墨盒全自动报警系统
Ink Cartridge Auto-alarm System

自动检测液位，真空吸墨；当墨水的液位低于三分之一时，墨盒自动亮灯报警，让打印不间断，生产更流畅。

Auto-detection for liquid level ;Vacuum Ink Absorbency; When the liquid level is lower than one third of capacity, the system will auto alarm and the warning lights will lit up automatically.



» 分色压墨装置
Ink pressing according to ink color device

独立的分色压墨清洗系统，更加节约墨水。

Independent color separation ink pressing cleaning system, more ink saving.



» 温控系统

Temperature-control System

喷头分颜色自动加热冷却和喷头底板辅助加热控制，保证喷头恒温，防止飞墨。

The printhead automatically heats and cools according to the ink color, Auxiliary heating control for the printhead, can ensure the temperature of print head and ink stable, also result in the effective elimination of ink misting.



» 电磁阀控制二级墨盒

Secondary cartridge controlled by solenoid valve

采用独立的电磁阀自动控制每个二级墨盒，开机通电电磁阀自动开，关机关电时电磁阀自动关闭，智能开启与关闭墨阀，无需人工控制，有效避免墨水浪费。

An independent solenoid valve is used to automatically control each secondary ink cartridge. The solenoid valve is automatically opened when the power is turned on, and the solenoid valve is automatically closed when the power is turned off. The ink valve is opened and closed intelligently without manual control, effectively avoiding ink waste.

» 双负压自动调节系统

Double Negative Pressure Auto-regulating System

白色&彩色独立的负压调节系统可自动平衡负压，使负压变化更平稳，保证高速连续打印时供墨的稳定性。

White&Color independent Negative Pressure System can adjust the negative pressure automatically and make the pressure changes more stable, which can ensure the ink-feeding stable under the high-speed and continuous printing.



爱普生喷头相应配置 »

CONFIGURATIONS FOR EPSON PRINthead



» 供墨系统—机头墨盒供墨

Ink Supply System—The printhead ink cartridge provides ink

墨路短，有问题时排查方便，易于维修，供墨更流畅；

Short ink path, easy to troubleshoot when there is a problem, easy to maintain, more smooth ink supply;

墨盒上装有液位，液位直接连接至板卡，若缺墨则电脑操作界面上会有提示。

The ink cartridge is equipped with a liquid level, which is directly connected to the board. If there is no ink, there will be a prompt on the computer operation interface.



» 温控系统

Temperature-control System

风扇加热控制，自动加热冷却，保证喷头恒温，防止飞墨。

Fan heating control, automatic heating and cooling, to ensure the temperature of print head stable, also result in the effective elimination of ink misting.



» 墨囊

Ink Damper

墨囊供墨，在墨水进入喷头前通过墨囊进行二次过滤，延长喷头使用寿命。

Ink damper for ink supply, filtering the ink secondary with the ink damper before the ink flowing into the printhead, extend the printhead life.



» 墨垫

Ink Pad

爱普生喷头专用吸墨垫，采用进口橡胶，可吸墨、防尘，使喷头在处于微气压状态时仍可保持湿润，从而减少喷头的堵塞，延长喷头的使用寿命。

The ink pad is made of import rubber, which can keep the print head moist, and then reduce the blocking of print head.



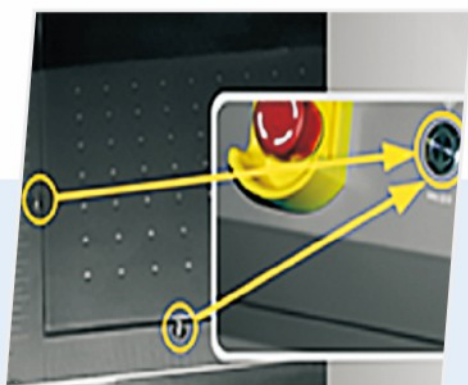
其他选配 >>> OTHER OPTIONS



>> 静电自动消除装置 Automatic Electrostatic Elimination Device

静电自动消除装置使设备在打印过程中能有效消除材料表面附着的正负电荷，避免墨滴飞墨，打印更精准。

The device can effectively eliminate the positive & negative charges adhered on the surface of the printing media, avoid 'ink flying' and 'ink misting', give your printing more accurate results.



>> 一键式气动定位 One-key Pneumatic Positioning

独特的介质定位杆，一键式气动控制使板材的装载更轻松、定位更精确，重复打印无偏差。

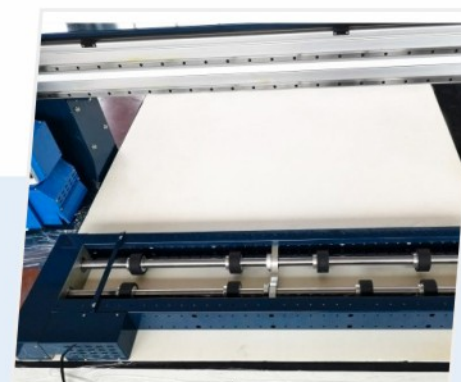
The unique positioning rod designed for printing media, one-key pneumatic control way make the printing media loading easier, positioning more accurate, and repeated printing without deviation.



>> 介质高度自动检测系统 Automatic Height-Measuring System for Printing Media

感应器通过触碰打印介质可测定打印介质的厚度，系统根据其厚度可自动调节喷头与打印介质之间的距离，从而达到喷头最佳打印距离。

Sensor can measure its thickness by touch printing media; According to the thickness measured, the system can adjust automatically the height between print head and printing media that can reach to the best printing height.



>> 打印圆柱体装置 Printing cylinder device

功能：可用于打印酒瓶、笔筒、烟囱等圆柱体类产品的侧边字以及图案。

Function: It can be used to print side words and patterns of cylinder products such as wine bottle, pen container and chimney.



>> Y轴伺服双驱加高精度丝杆传动（高配） Y-axis servo double drive plus high precision screw drive (High configuration)

双丝杆双伺服配置，保障机械传动的高精度，持久耐用，性能稳定。

Double screw rod double servo configuration, ensure the mechanical transmission of high precision, durable, stable performance.