



懂喷墨 也懂你
YOUR INDUSTRIAL PRINTING SOLUTION

SCB800

小规格高速瓦楞数字印刷机

SMALL SIZE HIGH SPEED CORRUGATED DIGITAL PRINTING MACHINE

秀色 SHOWCASING IN VIVID COLORS

数字印刷带来色彩纷呈

出彩 OUTSTANDING IN COLOR

数字印刷灵便性弥补传统印刷的不足
和创造新的盈利区间

DIGITAL PRINTING BRIDGES TRADITIONAL GAPS,
CREATES NEW PROFIT POTENTIAL.



公司简介 COMPANY PROFILE

广州精陶机电设备有限公司 (以下简称精陶) 成立于 2012 年, 专门从事工业数字设备研发与制造的高新技术企业, 致力于推动数码喷墨技术在陶瓷、建材、包装行业的发展, 为行业产业升级提供先进的工业数字应用解决方案。

在工业数字化印刷整体解决方案方面, 积累了丰富的经验, 如基于工业打印的技术开发、制造和用户服务等, 在工业生产线、工艺流程的理解和技术实践的基础上, 结合数字打印技术, 开发了陶瓷、建材、包装等领域, 还提供针对性的色彩管理系统、自主知识产权的数字喷墨控制系统和定制化的服务方案。

精陶拥有包含美国、日本、欧洲和中国等 175 项专利, 先后获得了“高新技术企业”、“广州市企业研究开发机构”、“第 7 届创新创业大赛国赛优质企业”、“国家知识产权优质企业”、“广东省专精特新中小企业”等殊荣。已通过的国际国内认证有: 知识产权贯标、两化融合贯标、海关 AEO 认证、ISO9001:2000、14001、45001 体系认证, CE 认证。

精陶的价值观是为制造业提供智能化数字喷墨装备解决方案, 并积极服务好客户。

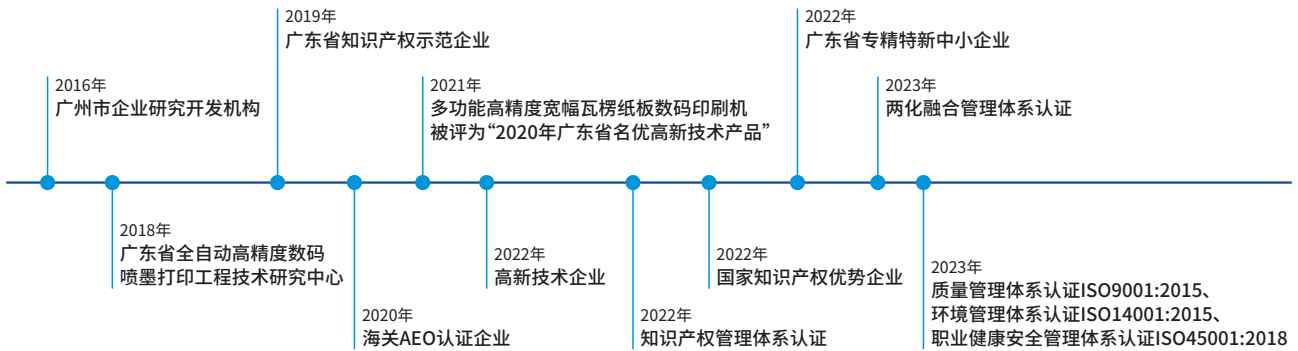
懂喷墨, 也懂你! 精陶与您同舟共济, 携手同行, 共同探索数字喷墨打印技术未来发展之路。

GUANGZHOU KINGTAU MACHINERY & ELECTRONICS EQUIPMENT CO., LTD (KINGTAU) was established in 2012. As a high-tech enterprise specializing in the research and development as well as manufacturing of industrial digital equipment, KINGTAU is dedicated to advancing the development of digital inkjet technology in the ceramic, building materials, and packaging industries. We provide tailored color management systems, proprietary digital inkjet control systems, and comprehensive customized industrial digital application solutions.

KINGTAU holds 175 patents and has been awarded certifications including Intellectual Property Management System Standard Certification, Integration of Informatization and Industrialization Standard Certification, Customs AEO Certification, ISO9001:2000, ISO14001, ISO45001 System Certification, and CE Certification.

Committed to the value proposition of customer-centricity, KINGTAU endeavors to provide intelligent digital inkjet equipment solutions for the manufacturing industry. We eagerly collaborate with like-minded individuals to explore the future development path of digital inkjet printing technology.

KT—YOUR INDUSTRIAL PRINTING SOLUTION!



A

购买优势

ADVANTAGES OF PURCHASE

- 针对牛卡纸小规格纸箱印刷;
For cow cardboard small size carton printing.
- 根据用户需求可供两个版本选择:单色版和彩色版,印刷速度60米/分钟;
Two versions are available according to user requirements: monochrome and color, with a printing speed of 60 m/min.
- 搭载两个214mm印刷模块,最大印刷428mm,可在送纸宽度内任意位置组合或分开印刷;
Equipped with two 214mm printing modules, the maximum printing of 428mm, can be combined or separated in any position within the width of the paper feed.
- 配置前缘免压送纸部和印刷部,设备占地不到8平方米;
Equipped with leading edge non-pressure paper feed and printing department, the equipment covers less than 8 square meters.
- 同一版面多个可变数据(流水码、二维码等)同时印刷;
Multiple variable data (pipeline code, two-dimensional code, etc.) are printed simultaneously on the same page.
- 本地服务团队,使用无后顾之忧。
Local service team, use no worries.

B

使用低成本

LOW-COST OPERATION

- 设备操作及维护简单,对工人要求低;
Simple equipment operation and maintenance, low requirements for workers.
- 长寿命喷头,喷射次数超过0.5兆亿次;
Long-life printheads, capable of over 0.5 trillion jettings.
- 墨水循环系统无需闪喷,不到3%的墨水浪费;
Ink circulation system with no need for flash spraying, resulting in less than 3% ink wastage.
- 恒温墨水循环系统无需值守,长假期自动待机;
Constant temperature ink circulation system requires no attendance, Automatic standby for long holidays.
- 四道喷头防撞系统,守护喷头安全;
Four print head anti-collision system, safeguarding printhead.
- 纸面除尘系统减少喷头清洗时间;
Paper surface dust removal system reduces printhead cleaning time.
- 快捷换单系统,换单时间不超过25秒;
Quick-change order system, with order change time not exceeding 25 seconds.
- 15°C~32°C的宽环境温度要求,极大节约空调电费;
Wide ambient temperature range requirement of 15°C to 32°C, greatly saving air conditioning electricity costs.
- 7×24小时全天候连续生产,稳定可靠高效。
7×24 Hours continuous production, stable, reliable, and efficient.

C

印刷效果

PRINTING QUALITY

- 水性颜料墨水(防水墨)无需覆膜/光油,耐水、耐晒、耐磨;
Water-based pigment ink (waterproof ink) requires no lamination/varnish, resistant to water, sunlight, and abrasion.
- 精陶的水性颜料墨水(防水墨)不亚于水性染料墨水(不防水墨)的色彩饱和度和亮度;
KINGTAU's water-based pigment ink (waterproof ink) matches the color saturation and brightness of water-based dye ink (non-waterproof ink).
- 高频率的墨点喷射及覆盖能力,几乎看不到拉丝、露白。
High-frequency ink droplet ejection and coverage capability, nearly eliminating streaking and white gaps.



KINGTAU

- ★ 1: 未尽之处请咨询当地销售、工程人员, 本资料印刷时间为2024年9月, 厂家基于技术升级的目的恕不另行通知。
For further inquiries, please consult your local sales or engineering personnel. This document was printed in September 2024, and the manufacturer reserves the right to upgrade technology without prior notice.
- ★ 2: 本手册中提及的其他公司的商标和产品, 例如: SPT, 仅为信息展示需要, 精陶不拥其商标权。
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设备参数 EQUIPMENT PARAMETERS

设备名称 Model	SCB800
印刷方式 Printing method	通过式印刷 Single Pass Printing
喷头类型 Printhead type	工业压电陶瓷打印头 (SPT-RC1536) Industrial piezoelectric ceramic printhead (SPT-RC1536)
色彩组合 Color	最多支持4色 (CMYK) Max. 4 colors(CMYK)
墨水 Ink	指定认证水性颜料/染料墨水 Specify certified water-based pigment/dye ink.
支持喷头个数 Printhead number	16个(4色, 4个/色), 单个印刷模块8个(4色, 2个/色) 16 PCS (4 colors, 4 PCS/color), 8 PCS per printing module (4 colors, 2 PCS/color)
印刷分辨率 Printing resolution	360dpi×720dpi
最大印刷宽度 Maximum printing width	组合印刷428mm, 单个印刷模块214mm Combined printing 428mm, single printing module 214mm
纸板要求 Cardboard requirements	宽度:100~800mm, 厚度:1.5~28mm, 长度:300mm~不限 Width: 100~800mm, thickness: 1.5~28mm, length: 300mm~ unlimited
印刷速度 Printing speed	60米/分钟 60 m/min
电源电压 Power supply voltage	380V±10%(3F+N+GND)-50/60Hz
设备功率 Equipment power	28kW (实际工作功率小于19kW) 28kW (actual working power is less than 19kW)
接地要求 Grounding requirement	独立可靠的接地; 接地桩要打地下2-3米, 水平接地体一般可用直径为8~10毫米的圆钢。 垂直接地体的钢管长度一般为2~3米, 钢管外径为35~50毫米, 角钢尺寸一般为40×40×4或50×50×4毫米。 Independent and reliable grounding; The ground pile should be hit 2-3 meters underground, and the horizontal grounding body can generally be round steel with a diameter of 8 to 10 mm. The length of the steel pipe of the vertical grounding body is generally 2 to 3 meters, the outer diameter of the steel pipe is 35 to 50 mm, and the Angle steel size is generally 40×40×4 or 50×50×4 mm.
气源要求 Air source requirement	气压0.5~0.8MPa, 气流量500L/min, 洁净无油水 Air pressure 0.5~0.8MPa, gas flow 500L/min, clean without oil and water
数据传输方式 Data transmission method	光纤传输 Fiber optic transmission
清洗方式 Cleaning method	自动清洗系统 Automatic cleaning system
输送带高度 Conveyor belt height	850mm±10mm
印刷机尺寸 Press size	4160×1880×2200mm (含送纸部、印刷部) 4160×1880×2200mm (including paper feeding department and printing department)
印刷机质量 Printing press quality	2.5T
印刷机水平要求 Printing machine level requirement	平台前后左右高度差在1mm内 The height difference between the front and back of the platform is within 1mm
地面水平要求 Ground level requirement	地面平整度在20mm内 The ground flatness is within 20mm
工作环境要求 Working environment requirement	温度15-32°C, 相对湿度40%-90%, 相对独立工作间, 少尘(办公环境), 远离干扰源和大型用电设备, 防雷, 地面无明显震动。 Temperature 15-32°C, relative humidity 40%-90%, relatively independent work room, less dust (office environment), away from interference sources and large electrical equipment, lightning protection, no obvious seismic sensation on the ground.

