

GP-106-LT-3YS

丝印冷烫镭射多功能生产线（双机座）

MULTIFUNCTIONAL SILK SCREEN COLD FOIL & CAST & CURE PRODUCTION LINE

双工位均可冷烫 | Double stations, both compatible with cold foil



HUANAN MACHINERY | 汕头市华南机械有限公司

适用于高附加值包装、标签、商业印刷及特种装饰印刷

Designed for high-value packaging, labels, commercial print and specialty decorative finishing.

产品定位与整线构成

PRODUCT POSITIONING & LINE CONFIGURATION

GP-106-LT-3YS 是一条面向高附加值印刷品的双机座多功能整线，将收料、水冷、冷烫、镭射转移（Cast & Cure）以及雪花/皱纹效果单元连接在同一生产流程中。双工位均可兼容冷烫，便于根据订单效果组合配置。

The GP-106-LT-3YS is a double-unit finishing line for value-added printed products. It connects paper collection, water cooling, cold foiling, holographic Cast & Cure transfer, and snowflake/wrinkle effects in one workflow. Both processing stations support cold foiling for flexible job configuration.

01 收料单元 Paper collector	02 水冷单元 Water-cooled unit	03 冷烫单元 Cold foil unit	04 冷烫 + 镭射转移 Cold foil + Cast & Cure	05 雪花/皱纹单元 Snowflake/Wrinkle unit
-------------------------------	---------------------------------	------------------------------	--	---



整线价值

LINE VALUE

减少重复搬运	扩展效果组合	兼顾速度与材料利用率
Reduce repeated sheet handling	Expand decorative effect combinations	Balance throughput and material utilization

目标客户痛点与对应解决方案

CUSTOMER PAIN POINTS & PRODUCT SOLUTIONS

客户痛点 CUSTOMER PAIN POINT	GP-106-LT-3YS 对应方案 PRODUCT RESPONSE
多种效果需要多次离线加工，搬运与排产复杂 Multiple offline passes make scheduling and sheet handling complex.	把冷烫、镭射转移、雪花/皱纹等工艺连接在同一整线中，减少工序切换。 Connects cold foil, Cast & Cure, and snowflake/wrinkle processes in one line to reduce process changes.
箔材成本高，非图文区域造成浪费 Foil cost is high and unused image areas can generate waste.	专利跳步与回拉控制支持多段跳箔；跳箔距离 ≤20mm，可按产品灵活调节。 Patented skip-step and pull-back control supports multi-step foil saving; foil-jump distance is adjustable up to 20 mm.
高速运行时张力、纠偏和转移稳定性难控制 Tension, web alignment and transfer stability are difficult at speed.	高性能 PLC、伺服辅助、自动纠偏与张力系统协同，提高材料输送与转移稳定性。 A high-performance PLC, servo assistance, automatic web correction and tension control stabilize feeding and transfer.
产品效果同质化，难以进入高端包装市场 Limited finishing options make premium-market differentiation difficult.	双机座均兼容冷烫，并可组合 Cast & Cure、雪花、皱纹与 UV 效果，扩展样品开发能力。 Two cold-foil-compatible stations plus Cast & Cure, snowflake, wrinkle and UV effects broaden sample-development options.
产能与复杂效果之间难以平衡 Printers struggle to balance throughput with complex effects.	机械最高速度 4,000张/小时； 根据材料与效果设置匹配实际生产节拍。 Mechanical speed reaches 4,000 sheets/hour, with actual settings matched to substrate and effect requirements.
新整线占地、功率和安装条件难提前规划 Footprint, power and installation conditions are difficult to plan in advance.	提供 11,400 × 2,980 × 3,250 mm 尺寸、50 KW 总功率及单元分段尺寸，便于工厂布局评估。 Documented dimensions, 50 kW total power and unit-by-unit lengths support early factory-layout planning.

核心技术与可实现效果

CORE TECHNOLOGIES & FINISHING CAPABILITIES

智能伺服电控系统

Intelligent servo control

采用高性能 PLC 作为控制主体，伺服电机辅助动作，强调高响应与稳定协同。

A high-performance PLC with servo-assisted motion supports responsive, coordinated operation.

冷烫跳步系统

Cold-foil skip-step system

支持单张纸内多段跳步与金料回拉，在高速运行中减少非图文区域的箔材消耗。

Multi-step jumping and foil pull-back within a sheet help reduce foil use in non-image areas.

镭射转移系统

Cast & Cure transfer system

自动纠偏、张力控制与弧形平台协同，确保转移稳定；合适材料可重复使用 20 次以上。

Automatic web correction, tension control and a curved platform stabilize transfer. Suitable film can be reused more than 20 times.

双机座工艺组合

Double-unit process flexibility

两个工位均可冷烫，并可结合镭射转移、雪花、皱纹与 UV 效果进行工艺组合。

Both stations support cold foil and can be combined with Cast & Cure, snowflake, wrinkle and UV effects.

典型效果

TYPICAL EFFECTS

冷烫 Cold foil	镭射转移 Cast & Cure	雪花 Snowflake
皱纹 Wrinkle	局部 UV Spot UV	组合装饰效果 Combined effects

技术参数

TECHNICAL SPECIFICATIONS

项目 / ITEM	
型号 / Model	GP-106-LT-3YS
最大纸张幅面 / Maximum sheet format	1060 × 750 mm / 1300 × 1000 mm
最小纸张幅面 / Minimum sheet size	560 × 350 mm
纸张克重 / Paper weight	157-450 g/m ² ; part of 128 g/m ² paper can be stamped
最高速度 / Maximum speed	4,000 sheets/hour
最大膜卷直径 / Maximum foil-roll diameter	250 mm
膜料最大宽度 / Maximum foil width	1060 mm
最大安装膜卷数 / Maximum installed foil rolls	≤ 8 rolls
UV 灯 / UV lamps	10 KW × 4 sets
跳箔距离 / Foil-jump distance	≤ 20 mm; flexibly adjustable by product
设备总功率 / Total power	50 KW
设备尺寸 / Machine dimensions	11,400 × 2,980 × 3,250 mm
设备重量 / Machine weight	8,000 kg

规格说明 / SPECIFICATION NOTE

附件资料同时列出 1060 × 750 mm 与 1300 × 1000 mm 两种最大幅面。请在报价与技术协议中确认所选配置对应的纸张幅面、膜宽及配套单元。

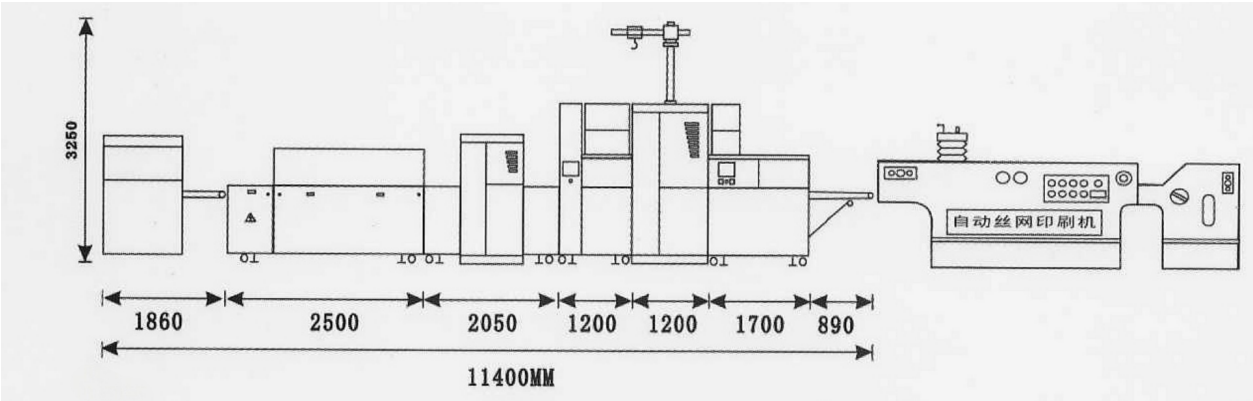
The supplied brochure lists both 1060 × 750 mm and 1300 × 1000 mm maximum formats. Confirm the selected format, foil width and line configuration in the quotation and final technical agreement.

设备平面尺寸与安装规划

FLOOR PLAN DIMENSIONS & INSTALLATION PLANNING

以下平面尺寸图从原始产品资料中提取并校正方向。整线标注总长为 11,400 mm，图示横向最大尺寸为 3,250 mm；参数表中的设备尺寸为 11,400 × 2,980 × 3,250 mm。

The floor plan below is extracted from the supplied product sheet and rotated for correct viewing. The line is marked at 11,400 mm overall length and 3,250 mm maximum transverse dimension; the specification table lists 11,400 × 2,980 × 3,250 mm.



收料单元 Paper collector	1,860 mm
水冷单元 Water-cooled unit	2,500 mm
冷烫单元 Cold foil unit	2,050 mm
工位连接段 / Station sections	1,200 + 1,200 + 1,700 + 890 mm
整线总长 / Overall line length	11,400 mm

安装前确认事项

PRE-INSTALLATION CHECKLIST

1. 场地净尺寸与检修通道	Clear floor area and maintenance aisles
2. 50 KW 设备功率对应的电源配置	Power supply sized for 50 KW equipment load
3. 水冷系统、排风及环境温湿度条件	Cooling-water, exhaust and ambient conditions
4. 纸张物流方向、进出料空间与叉车通道	Sheet-flow direction, loading/unloading space and forklift access
5. 基础承载、设备就位与安装运输路径	Floor loading, rigging and installation access route

适用客户与典型应用

TARGET CUSTOMERS & TYPICAL APPLICATIONS

包装印刷企业 Packaging printers	化妆品、酒类、礼品、烟包及高端折叠纸盒 Cosmetics, wine, gifts, tobacco and premium folding cartons
标签与商业印刷企业 Label & commercial printers	标签、书刊封面、贺卡、宣传品及特种印刷 Labels, book covers, greeting cards, promotional and specialty print
印后加工服务商 Trade finishers	希望扩展冷烫、镭射转移与纹理 UV 工艺组合 Businesses expanding into cold foil, Cast & Cure and textured UV effects
品牌包装开发团队 Brand packaging teams	需要金属、镭射、雪花和皱纹等差异化效果 Teams seeking metallic, holographic, snowflake and wrinkle differentiation

询价与打样建议资料

INFORMATION RECOMMENDED FOR QUOTATION & SAMPLE TESTING

1. 纸张最大/最小尺寸与克重	Maximum/minimum sheet size and paper weight
2. 油墨、UV 光油、胶黏剂与承印物信息	Ink, UV varnish, adhesive and substrate details
3. 冷烫箔或镭射转移膜的宽度、卷径和供应商	Foil or Cast & Cure film width, roll diameter and supplier
4. 需要实现的效果、图文面积与预计订单量	Required effects, image area and expected order volume
5. 目标速度、班次与现有前后道设备接口	Target speed, shifts and upstream/downstream interfaces
6. 工厂场地、电源、水冷与排风条件	Factory space, power, cooling-water and exhaust conditions

品牌与联系方式

BRAND & CONTACTS

华南机械专注于丝网印刷、冷烫、镭射转移、UV 固化及自动化印后设备。欢迎提供样品、材料与目标效果，由销售与技术团队协助确认工艺路线和整线配置。

Huanan Machinery focuses on screen printing, cold foil, Cast & Cure, UV curing and automated post-press equipment. Share your sample, materials and target effects for process and line-configuration recommendations.

品牌 / Brand	HUANAN MACHINERY
公司 / Company	汕头市华南机械有限公司 Shantou Huanan Machinery Co., Ltd.
官网 / Website	www.cn-hnjx.com
销售邮箱 / Sales Email	sales@cn-hnjx.com
电话及 WhatsApp / Phone & WhatsApp	+86 137 2708 8455
地址 / Address	中国广东省汕头市金平区鮑江街道延前路6号 No. 6, Yanqian Road, Tuojiang Street, Jinping District, Shantou City, Guangdong, China

获取配置建议与样品测试方案

REQUEST CONFIGURATION ADVICE & SAMPLE TESTING

www.cn-hnjx.com

说明：本规格书依据用户提供的产品资料制作。实际速度、膜材复用次数与成品效果取决于纸张、油墨/光油、箔膜、图文面积、环境及操作条件。最终配置与参数以双方确认的技术协议为准。

Disclaimer: This specification is based on the supplied product sheet. Actual speed, film reuse and finished effects depend on substrate, ink/varnish, foil/film, image area, environment and operating conditions. Final configuration and specifications are subject to the confirmed technical agreement.