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PROFESSIONAL LABEL AFTER PRINTING EQUIPMENT MANUFACTURER

专业的标签印后设备制造商

瑞安德冠机械有限公司
www.cn-deg.com

企业简介

COMPANY

PROFILE

瑞安德冠机械有限公司坐落在享有“中国机械城”之称的瑞安市。是一家致力于标签印后设备研发与制造的企业。集产品设计，制造，销售，服务，解决方案为一体。坚持“科技创新，质量为本”为企业的生存法则，面对日新月异的标签印刷及印后市场，公司技术骨干积极吸取国内外同类产品技术精华，成功自主研发出领先水平的全自动转塔式复卷机，拥有完全属于自己的知识产权填补了市场空白。我们始终站在终端客户使用角度，旨在满足不同工艺的特殊要求，节约人力资源和能源成本。

Ruian Deguan machinery Co.,Ltd Locates in Rui'an City, which is known as "China Machinery City". Deguan dedicates to the development and manufacture of post-printing equipment. It integrates product design, manufacturing, sales, service&solutions, and insists on scientific and technological innovation, quality is the survival rule of the company. Facing the ever-changing label printing and post-press market,

the company's technical backbone actively absorbs the essence of similar products at domestic and abroad, and successfully develops the leading-level automatic turret rewinder. Our own intellectual property rights fill the gap in the market. We always stand at the end customer's point of view, aiming at meeting the special requirements of different processes and saving human resources and energy costs.



专利证书

THE PATENT

CERTIFICATE



产品简介

PRODUCT

INTRODUCTION

标签是印刷行业内发展速度最快的领域之一，其印刷和后加工工艺的发展对推动整个行业进步具有重要意义。近年来，随着数码印刷的快速崛起以及PS版印刷市场占有率的饱和，部分长单被分流，显现出“大单散单化”的趋势。究其原因，方面是由于市场竞争所致；另一方面则是由于现阶段的中国标签印刷企业还没有充分实现规模化、低成本和规范化管理，与国际市场的发展存在差距。对印刷厂商而言，除工艺外，控制生产中的浪费将是提高企业竞争力的一个行之有效的方法。由于需多种工艺共同完成工作的生产特性，印刷及后道加工中单卷对单卷造成的浪费一直居高不下，因此在这方面的成本管控、提质增效空间巨大。作为一个浸润机械行业数十载，深耕机械设计工艺与自动化方案的专业人士，德冠机械立志全面提升我国标签加工自动化工作水平，以推动行业更高质量发展为己任。谈优势 在我国积极倡导绿色印刷的大背景下，机组式多功能柔印机的使用越来越广泛，这时采用不停机自动换卷装置，不仅能解决柔印机因停机换卷影响的工作效率问题，还可以节省大量损耗。通过低成本生产模式印刷厂商将快速拉开与竞争者的差距，更从容地应对“大单散单化”挑战。

德冠机械在克服了“张力衰减”计算、卷径高精度补偿算法等多项技术难题后，成功推出领先水平的全自动4轴转塔式不停机复卷机，复卷机不仅接纸成功率可达100%，其精密的卷径计算，可极大减少材料浪费，能有效帮助印厂应对纸价不断上涨的困局；而且该款设备无论点动、升速、降速、急停还是在生产阶段，皆能确保张力的稳定性，可大大提高成品率，实现印刷机的最佳使用状态。

RUIAN DEGUAN
MACHINERY CO., LTD.
瑞安德冠机械有限公司

Scientific And Technological,
Innovation,
Quality - Oriented

科技创新，质量为本

Label is one of the fastest growing areas in the printing industry, and the development of its printing and post-processing technology drives the whole industry The step is significant. "in recent years, with the rapid rise of digital printing and the saturation of PS printing market share, ministry The mono-division of length shows the trend of "large mono-divergence". The reason lies in the market competition. On the other side. On the other hand, China's label printing enterprises have not fully realized scale, low cost and standardized management. There is a gap in the development of the international market. "For printers, controlling waste in production, in addition to process, will be a way to increase competition A proven method of gaining strength. Due to the need for a variety of processes to work together to complete the production characteristics of the printing and finishing process Single-volume waste has been high, so there is a lot of scope for cost control, quality and efficiency. As a professional who has been immersed in the machinery industry for decades In order to promote the development of higher quality in the industry. Talk about advantage in our country product Strongly advocate the green printing background, the unit type multi-functional flexo printing machine is more and more widely used, at this time the use of non-stop automatic

The coil changing device can not only solve the work efficiency problem of the flexo printer which is affected by the coil changing when the machine is shut down, but also save a lot of loss." through The low-cost production model will quickly open up the gap with competitors, more leisurely to cope with the 'big single' challenge."

After overcoming many technical problems such as "tension attenuation" calculation and high precision compensation calculation, deguan machine was successfully launched. The advanced full-automatic 4-axis turret rewinding machine not only has the success rate of paper feeding up to 100%, but also has the precision rollThe path calculation can greatly reduce the waste of materials and effectively help the printing plant to cope with the situation of rising paper prices. And it doesn't matter Point motion, rising speed, falling speed, emergency stop or in the production stage can ensure the stability of tension and greatly improve the yieldThe best use of printing machines.



DG-A-330 转塔式复卷机

Rotating Tower Rewinder

- 1 纸管振动盘
Paper tube vibrating tray
- 2 自动上纸管装置
Automatic paper feeding device
- 3 PLC触摸屏系统
PLC touch screen system
- 4 裁切机构
Cutting mechanism
- 5 涂胶装置
Gumming device
- 6 收卷机构
Coiling mechanism
- 7 卸料装置
Unloading device
- 8 气胀轴存放点
Bulging axis storage point



▶ 本款可提供380/530机型做选择
This machine can provide 380 or 530 models to choose from.

产品特点 Product features

转塔式复卷机系统采用世界著名品牌博世力士乐 (Bosch Rexroth)，其智能生产解决方案；复卷机采用全伺服闭环张力控制、等分。本机配有振动盘自动送纸管机构、放纸机构、有收卷机构、卸料机构。整机自动化高，可实现在线不间断回绕，提高生产效率和节省人工工作量、提高产品质量。

1. 该复卷机可与印刷机、模切机、分切机等设备连接，从上纸管到收卷、再到卸料一次成型。

2. 它装备了1英寸，1.5英寸，3英寸互换气胀轴，

3. 改变不同的卷筒的大小，不需要手动机械调整，不同尺寸触摸屏自动调整。

4. 减少劳动强度，提高效率，实现智能化生产。

The turret rewinder system uses the world famous brand BOSCH Bosch (Rexroth). Its intelligent production solution; rewinder adopts full servo closed loop tension control and equal division. Machine matching There are vibrating tray automatic paper feeding mechanism, paper releasing mechanism, winding mechanism and unloading mechanism. Whole machine It can realize on-line uninterrupted winding, improve production efficiency and save manual workload, High product quality.

1. The rewinder can be connected with printing press, die-cutting machine, slitting machine and other equipment, from the top tube to roll, and then to unload a molding.

2. it is equipped with 1 inch, 1.5 inch, 3 inch interchangeable gas expansion shaft.

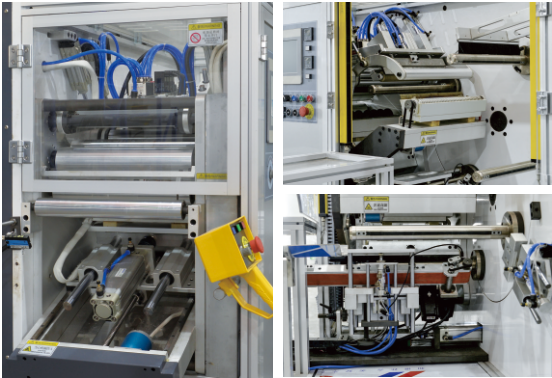
3. Change the size of different rolls, do not need manual mechanical adjustment, different size touch screen automatic adjustment.

4. reduce labor intensity, improve efficiency and achieve intelligent production.

主要技术参数 Main Technical Parameters

设备型号	Model	DG-A-330
收卷最大直径	Max. winding diameter	350mm
适应管芯	Adapt pipe core	25mm~76mm
最大进纸宽度	Max. input paper width	340mm
最高机械速度	Maximum mechanical speed	70-120m/min
最小收卷宽度	Min. winding width	50mm
整机功率	Total power	8KW
设备电源	Power Supply	3PH+N+PE
外形尺寸	Outline dimension	1450×3000×1700mm
设备重量	Weight	2.0T
气压	Pressure	0.8MPa

可根据客户要求定制不同规格 / According to customer requirements customize different specifications.



DG-A-330 转塔式复卷机
Rotating Tower Rewinder



转塔式复卷机 整机系统采用全球知名品牌德国博世力士乐。博世力士乐为复卷机提供了智能化生产解决方案，复卷机采用全伺服闭环张力控制，复卷机配备有震动盘自动穿纸管机构，卸料机构，整机自动化实现在线不停机复卷，提高生产效率 减少人工劳动力。复卷机可连线轮转模切 分切机 柔版印刷机等设备。复卷机配备有1英寸1.5英寸3英寸快拆式气胀轴。终生免为维护！复卷机在更换不同收卷轴尺寸大小时无需人工机械调节系统会根据收卷轴大小自动调节减少人工劳动力实现智能化生产，复卷机复卷产品可实现与纸管的轻松脱离不会给终端客户造成打印机卡带 打印头损坏等优势。

The turret type rewinding machine system adopts the world famous brand Bosch Rexroth,for its intelligent production solutions.The rewinding machine adopts full servo closed-looptension control, equipping with a vibrating plate automatic paper-feeding tube mechanism, a discharge mechanism. The whole machine is automated to realize online non-stop rewinding,to improve production efficiency and reduce manual labor. This rewinding machine can be connected with the rotary die cutting and slitting machine flexo printing machine and other equipments. It is equipped with a 1inch, 1.5inch, 3inch quick-release air shaft that is maintenance-free for life,need not manual mechanical adjustment system when changing the size of different reels.The machine can automatically adjust according to the reel size to reduce the labor and realize intelligent production.

主要技术参数 Main Technical Parameters				
设备型号	Equipment model	330型	380型	530型
收卷最大直径	Maximum diameter of winding	350mm	350mm	350mm
最大进纸宽度	Maximum feed width	340mm	360mm	510mm
最小收卷宽度	Minimum winding width	50mm	50mm	50mm
整机功率	The engine power	8KW	12KW	16KW
设备电源	Power supply equipment	3PH+N	3PH+N	3PH+N
外形尺寸	Overall dimensions	1450×3000×1700mm	1450×3200×1700mm	1450×3600×1700mm
设备重量	Equipment weight	2.0T	2.2T	2.5T
气压要求	Pressure requirement	0.8M PA	0.8M PA	0.8M PA

YM-330 双工位圆模切机
Double Stations Circular Die-cutting



- 1 带机械臂液压升降放料架 放料直径1.2米
Discharge rack with mechanical arm is 1.2m in diameter
- 2 伺服高精度纠边系统
Servo high precision edge control system
- 3 双座模切
Two-seater die cutting
- 4 静止画面仪
Still picture instrument
- 5 漏标检测
The leakage detection

主要技术参数 Main technical parameters:		
最大进纸宽度	Maximum feed width	320mm
模切最大宽度	Maximum die-cutting width	310mm
放卷最大直径	Maximum diameter of roll	1200mm
模切最大长度	Maximum die-cutting length	600mm
定位精度	Positioning accuracy	+ -0.1mm
整机功率	The engine power	8kw
设备重量	Equipment weight	约2800kg
外形尺寸	Overall dimensions	4000×1200×1600mm
设备电源	Power supply equipment	3PH+N+PE
气压要求	Air pressure requirements	0.8MPA
最小分切宽度	Minimum cut width	50mm

DG-B-330 转塔式复卷机

Rotating Tower Rewinder

- 1 通用型理管机构
Paper tube vibrating tray
- 2 自动上纸管装置
Automatic paper feeding device
- 3 PLC触摸屏系统
PLC touch screen system
- 4 裁切机构
Cutting mechanism
- 5 涂胶装置
Gumming device
- 6 收卷机构
Coiling mechanism
- 7 卸料装置
Unloading device
- 8 气胀轴存放点
Bulging axis storage point

主要技术参数 Main Technical Parameters

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