

KEMAO®



柔印™
ROUYIN

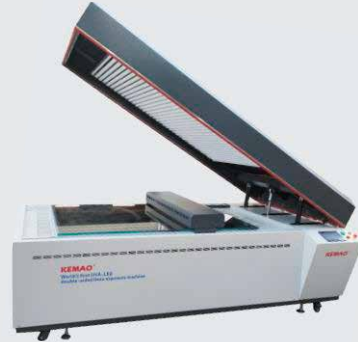


柔版精工 · 科茂领航

Flexo plate precision equipment · KEMAO leads the way

多项世界首创技术产品

Owing Machines With Multiple World Leading Patented Technologies



KEMAO Machinery Co., LTD

公司简介

科茂位于广州始创于1996年，29年奋斗经验，为中国柔版行业成立时间最久的企业，并于2008年在广州市花都区增开“广东柔印机械有限公司”。创业以来一直勇于创新，无论技术及产品销量始终处于国内领先地位，多种产品属于世界首创。先后研发推出全球首创纯UVA-LED扫描式柔版曝光机(包括UVA-LED扫描式双面柔版曝光机、UVA-LED扫描式多光源柔版曝光机)、UVA-LED液体版曝光机、连线式高清柔版洗版机、第四代智能化自动化溶剂回收机以及全自动柔版热敏制版机等世界技术领先的高端柔版设备。公司连续三届成为国家高新企业、专精特新企业以及创新型中小企业。公司系列产品获得多项技术发明专利，多种产品获得高新技术产品认证以及欧盟CE认证及欧洲防爆认证，获得“阿里巴巴优质供应商”称号及“广东省守合同重信用企业”称号，获得柔印协会多项奖项，并同时参与制定“中国柔性版标准”工作。公司于2015年十月举办了首届“KEMAO新产品发布会”期间，吸引了国内外近300人参加，被誉为有史以来柔印界民间举办的最大盛会。并于2018年在本公司承办了“中国柔性版标准”起草会议。多年来公司一直主动积极参与柔印界多各项活动，并一直以来担任中国工印协标签分会理事单位、柔印协会理事单位、广东省包协理事单位。科茂新工厂已于24年3月底在肇庆端州区落户开业。2024年5月我司成功作为亚洲唯一一家专业生产研发柔版机器企业参展商，参加四年一届全球规模最大、被誉为印刷界“奥林匹克”之称的德国印刷展览会。2024年8月8日科茂机械苏州分公司在苏州市吴江区盛大开业，长期展示行业新技术新设备，更好的服务我国华东华北区域客户。2024年11月15日科茂在马来西亚吉隆坡成立了科茂国际(马)有限公司，“科茂国际”拥有强有力的售后团队，且团队技术人员可以免签证到达东南亚各国，从此东南亚的客户将得到更及时更全面的售后服务支持。为更好的测试制版机器的质量，引进高品质的柔版CTP设备进入科茂制版实验室。展望2025年末，一座崭新的现代化厂区将会落成，届时包括产能和产品品质将得到飞跃提升。科茂继续勇往直前不断创新，为柔版印刷做出更大的贡献。打造成为最专业的世界级柔版设备研发及制造商。

Company Profile

Kemao is located in Guangzhou and was founded in 1996, with a history of 29 years, being the oldest enterprise in the Chinese flexographic industry. And in 2008, in Guangzhou Huadu District, newly opened "Guang Dong Flexo Printing Machinery Co., Ltd." Since the establishment, we have been brave in innovation, regardless of technology and product sales, we have always been in a leading position in China. A variety of products are the world's first to be launched.

Has developed and launched the world's first pure UVA-LED scanning flexographic exposure machine (Including UVA-LED scanning double-sided flexographic exposure machine, UVA-LED scanning multi-light source flexographic exposure machine), UVA-LED liquid plate exposure machine, WIRED HD flexo washing machine、the fourth generation intelligent automatic solvent recovery machine and automatic flexographic thermal plate-making machine ect. are the world's leading high-end flexo equipment.

Our company has become a national high-tech enterprise, specialized and special new enterprise and innovative small and medium-sized enterprise for Three consecutive years. Our company's series of products have obtained a number of technical invention patents, a variety of products have obtained high-tech product certification and EU CE certification and European explosion-proof certification, won the title of "Alibaba quality Supplier" and "Guangdong Province contract abiding credit enterprise" title, won a number of flexo printing Association awards, and participated in the development of "China Flexo Standard" work.

Our company held the first "KEMAO New Product Launch" in October 2015, attracting nearly 300 people at home and abroad to attend, known as the history of flexo printing industry held the largest event. In 2018, our company hosted the drafting meeting of "China Flexography Standard". Over the years, the company has been actively participating in various activities in the flexo printing industry, and has been serving as the director unit of the label branch of the China Industrial Printing Association, the director unit of the Flexo Printing Association, and the director unit of the Guangdong Provincial Contract Association.

For long-term development, Kemao new factory has been opened in Zhaoqing Duanzhou District at the end of March 24. In May 2024, our company successfully participated in the German printing Exhibition, the world's largest every four years and known as the "Olympics" in the printing industry, as the only professional production and development of flexo machine enterprises in Asia. In August 2024, the Suzhou branch of Kemao Machinery was grandly opened in Wujiang District, Suzhou City, displaying new technologies and equipment in the industry for a long time to better serve customers in East China and North China. In mid-November 2024, Kemao will set up its first overseas branch - Kemao International (M) Co., LTD. "Kemao International" has a strong after-sales team, and the team technicians can reach Southeast Asian countries without visas, from now on customers in Southeast Asia will get more timely and comprehensive after-sales service support. In order to better test the quality of the platemaking machine, the introduction of high-quality flexographic CTP equipment into the Kemao platemaking laboratory. Looking forward to the end of 2025, a brand-new modern factory area will be completed, by which time both production capacity and product quality will be significantly enhanced. Kemao continues to innovate and make greater contributions to flexographic printing. To become the most professional world-class flexographic equipment R&D and manufacturing enterprise.



KMAT系列全自动柔版热敏制版机

KMAT series fully automatic flexo thermal plate-making machine

一台机器完成所有从背曝光-主曝光-热敏洗-粘性消除-后固化的所有工作。只需将柔版放到前面进版平台，再按对应设置好的键，稍等约30分钟左右，一块合格漂亮的印版成品将自动送到前面的出版平台。

One machine completes all the work from back exposure - main exposure - thermal washing - adhesion removal - post-curing. Just place the flexo plate on the front plate feeding platform, then press the corresponding set key. After waiting for about 30 minutes, a qualified and beautiful finished printing plate will be automatically sent to the front publishing platform.

光源全部使用高效、高精度、节能、环保、安全、寿命长的UVA/LED及UVC/LED光源；

All light sources use high-efficiency, high-precision, energy-saving, environmentally friendly, safe and long-life UVA/LED and UVC/LED light sources;

制版速度快，无需溶剂洗版，无需烘干工序。除了使用专用热柔版外，还可以使用普通柔版进行制版，大幅度降低成本。

The plate-making speed is fast, no solvent is needed for plate washing, and no drying process is required. In addition to using dedicated hot flexo plates, ordinary flexo plates can also be used for plate making, significantly reducing costs.



1-1 KMF UVA-LED扫描式双面三光源柔版曝光机

专利号/The patent number:No.2016204051914

KMF UVA-LED Scanning double-sided three light flexo exposure machine



本技术为科茂全球首创拥有发明专利。主曝光采用扫描式进口UVA-LED高能量混合光源,具有光源高质、高效、稳定、节能、光源寿命长、光能量均匀的优点。可制作高清平顶网点印版,适合任何柔版曝光制版要求。背曝光采用扫描式中能量UVA-LED光源,一般柔版背曝光只需要一次往返即可完美达到版底平整的背曝光要求,让柔版制作变得更轻松。可以背曝光和主曝光同时进行,不仅省却人工,而且排除了因翻版而导致柔版损坏的风险;顶盖加装传统UVA-LED灯管,适合部分有特殊要求的柔版制作时,先使用主曝光高能量LED光源进行固化,然后再使用传统UVA光源进行补充曝光。三组LED光源完美搭配一机多用。适合任何柔版的曝光制作要求。是制作高清数码版最理想的柔版曝光机。具体规格有: 3648/4260/5280/52100(1220x920/1530x1070/2032x1320/2540x1320)等多种型号。

KEMAO has the first global invention patent. The main exposure with scanning imported UVA-LED high energy hybrid light source, the light source of high quality, high efficiency, stability, energy saving, long light source life, uniform light energy advantages. Can make high-definition flat top network printing plate, suitable for any soft plate exposure plate making requirements. Back exposure with scanning medium energy UVA-LED light source, the general soft plate back exposure only needs a round trip to perfectly meet the requirements of the bottom level, so that the soft plate production becomes more relaxed. Back exposure and main exposure can be performed simultaneously, avoiding flipping the plate. Save labor, avoid the risk of flexible damage caused by flipping; install the top cover with traditional UVA-LED lamp, suitable for some flexo with special requirements, first use the main exposure high energy LED light source for curing, and then use the traditional UVA light source for supplementary exposure. Three sets of LED light sources are perfectly matched with a machine and multi-purpose. Suitable for any soft version of the exposure production requirements. It is the most ideal hd digital plate of the flexo exposure machine. Specifications are: 3648 / 4260 / 5280 / 52100 (1220x920 / 1530x1070 / 2032x1320 / 2540x1320) a variety of models.

1-2 KMF UVA-LED扫描式双面柔版曝光机

专利号/The patent number:No.2016204051914

KMF UVA-LED Scanning double-sided flexo exposure machine



本技术为科茂全球首创拥有发明专利。主曝光采用扫描式进口UVA-LED高能量混合光源,具有光源高质、高效、稳定、节能、光源寿命长、光能量均匀的优点。可制作高清平顶网点印版,适合任何柔版曝光制版要求。背曝光采用扫描式中能量UVA-LED光源,一般柔版背曝光只需要一次往返即可完美达到版底平整的背曝光要求,让柔版制作变得更轻松。可以背曝光和主曝光同时进行,不仅省却人工,而且排除了因翻版而导致柔版损坏的风险;具体规格有: 3648/4260/5280/52100/52120(1220x920/1530x1070/2032x1320/2540x1320/3050x1320)等多种型号。

KEMAO has the first global invention patent. The main exposure with scanning imported UVA-LED high energy hybrid light source, the light source of high quality, high efficiency, stability, energy saving, long light source life, uniform light energy advantages. Can make high-definition flat top network printing plate, suitable for any soft plate exposure plate making requirements. Back exposure with scanning medium energy UVA-LED light source, the general soft plate back exposure only needs a round trip to perfectly meet the requirements of the bottom level, so that the soft plate production becomes more relaxed. Back exposure and main exposure can be performed simultaneously, avoiding flipping the plate. Save labor, avoid the risk of flexible damage caused by flipping; Specifications are: 3648 / 4260 / 5280 / 52100 (1220x920 / 1530x1070 / 2032x1320 / 2540x1320) a variety of models.

1-3 KMF UVA-LED扫描式单面双光源柔版曝光机

专利号/The patent number:No.2015202181088

KMF UVA-LED scanning single-sided multi-light flexo exposure machine



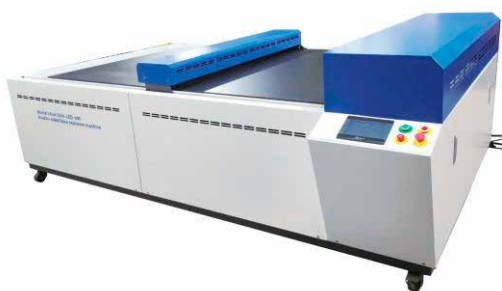
KEMAO UVA-LED扫描式单面双光源柔版曝光机为中国首创产品。采用进口石英封装高能量UVA-LED光源混合进口石英封装低能量UVA-LED光源，可达到平顶网点、高精度制版的要求，光源能量可以高低调节，适合任何柔版的曝光制版要求，光源均匀促使柔版的版底厚度一致，UVA-LED光源对柔版宽容度大、穿透力强、光源能量高、能耗低、速度快、质量好、环保节能、安全、操作简便。进行背曝光时只需要开启低能量光源，背曝光一般只需要一次往返即可完成，达到版底各处厚薄均匀的要求。进行主曝光时连同背曝光光源一起开启，以达到优质稳定高效高质的效果。可设置双程往返曝光或单程曝光功能。光源比传统曝光灯强20倍以上，寿命比传统光源的10倍以上。

KEMAO UVA-LED scanning single-sided dual light flexographic exposure machine is the first product in China, Equipment with imported quartz packaging high energy UVA-LED light source mixed with imported quartz packaging low energy UVA-LED light source, can meet the requirements of flat top dot, high precision plate making, light source energy can be adjusted high and low, suitable for any flexographic exposure plate making requirements, uniform light source to promote flexographic plate bottom thickness of one, UVA-LED light source for flexographic tolerance, strong penetration, high energy source, low energy consumption, fast speed, good quality, environmental protection, energy saving, safety, easy to operate. When operating the back exposure, you only need to turn on the low energy light source, and the back exposure generally only needs one round trip to complete, to achieve the requirements of uniform thickness everywhere at the bottom of the version, When the main exposure is operated, the back exposure light source is opened together to achieve a high-quality, stable, efficient and high-quality effect. Two-way exposure or one-way exposure can be set. The light source is more than 20 times stronger than the traditional exposure lamp, and the life is more than 10 times longer than the traditional light source.

1-4 KMF UVA-LED扫描式柔版曝光机

专利号/The patent number:No.2015202181088

KMF UVA-LED Scanning flexo exposure machine



扫描式纯UVA-LED光源柔版曝光机是KEMAO全球首创产品。主曝光混合背曝光光源，实现一机二用，主曝光采用多排进口石英封装高能量UVA-LED光源混合几排中能量UVA-LED背曝光光源。光源能量可以高低调节，可制作高清平顶网点印版，适合任何柔版曝光制版要求。UVA-LED光源对柔版宽容度大、穿透力强、光源能量高、消耗低、速度快、质量好、环保节能、安全、操作简便。进行背曝光时只开启中能量光源，背曝光只需要1-2次往返即可完成，进行主曝光时可以连同背曝光光源一起开启，以加快曝光速度。具体规格有：3648/4260/5280/52100/52120(1220x920/1530x1070/2032x1320/2540x1320/3050x1320)等多种型号。

Scanning pure UVA-LED light source flexo exposure machine is KEMAO world's first product. The main exposure is mixed back exposure light source, realize one machine and two use, the main exposure uses multiple rows of imported quartz packaging high energy UVA-LED light source mixed several rows of medium energy UVA-LED back exposure light source. Light source energy can be adjusted to high and low, can make high-definition flat top network printing plate, suitable for any flexo exposure plate making requirements. UVA-LED light source to the flexo of the large tolerance, strong penetration, high light source energy, low consumption, fast speed, good quality, environmental protection and energy saving, safety, easy to operate, When taking the back exposure, only the medium energy light source is opened, and the back exposure only needs 1-2 round trips to complete. During the main exposure, the device can be opened together with the back exposure light source to speed up the exposure speed. Specific specifications are: 3648/4260/5280/52100/52120(1220x920/ 1530x1070/2032x1320/2540x1320/3050x1320) a variety of models.

1-5 KMF-SE侧升降式柔版曝光机

KMF-SE Side lift type flexo exposure machine

本设备为侧翻升降式结构。曝光平台采用铝板材质，带KEMAO首创新型制冷系统，并加强排风系统，确保平台不会因为灯管产生高温影响晒版。平台前后二边均安装散热风槽，有力排除曝光时因高温而导致影响曝光质量的风险。晒版采用高能量、环保、节能、稳定、耐用的UVA-LED灯作光源，能量比传统曝光灯强30%以上。该技术为科茂全球首创将UVA-LED光源作为柔版曝光主光源的技术，光源稳定。也可采用传统UVA灯管。具体规格有：3648/4260/5280/52100(1220 x 920/1530x1070/2032x1320/2540x1320)等规格。

The equipment is a side-lift-type structure. The exposure platform is made of aluminum plate, and KEMAO is the first new refrigeration system to strengthen the exhaust system to ensure that the platform does not affect the exposure plate quality due to the high temperature of the lamp. Heat sinks are installed on the front and rear sides of the platform to discharge the heat generated during exposure. Exposure light source with KEMAO first extension technology — high energy, environmental protection, energy saving, stable, durable UVA-LED lamp tube, the energy is more than 30% stronger than the traditional exposure lamp. The light source is stable, and the plate-making effect is as good as the traditional lamp tube. Traditional UVA light tubes are also available. Specific specifications are: 3648 / 4260 / 5280 / 52100 (1220x920 / 1530x1070 / 2032x1320 / 2540x1320) a variety of models.



Scanning pure UVA-LED light source flexo exposure machine is KEMAO world's first product. The main exposure is mixed back exposure light source, realize one machine and two use, the main exposure uses multiple rows of imported quartz packaging high energy UVA-LED light source mixed several rows of medium energy UVA-LED back exposure light source. Light source energy can be adjusted to high and low, can make high-definition flat top network printing plate, suitable for any flexo exposure plate making requirements. UVA-LED light source to the flexo of the large tolerance, strong penetration, high light source energy, low consumption, fast speed, good quality, environmental protection and energy saving, safety, easy to operate. When taking the back exposure, only the medium energy light source is opened, and the back exposure only needs 1-2 round trips to complete. During the main exposure, the device can be opened together with the back exposure light source to speed up the exposure speed. Specific specifications are: 3648 / 4260 / 5280 / 52100 / 52120(1220x920 / 1530x1070 / 2032x1320 / 2540x1320/3050x13520) a variety of models.

2-1 KMF 4AW第四代连线式高清洗版机

专利号/The patent number:No.ZL201821322976.0

KMF 4AW Wired hd flexo washing machine



KEMAO第四代自动高精度洗版机是最新研制更新一代洗版机。具有结构简单功能齐全、传动稳定、可靠耐用、保养简单维修方便、洗版效率高、质量好节省药水等优点。洗版平台采用高强度铝合金组装结构,确保平台的平整度。洗版箱体底部采用镜面不锈钢板制作,漏斗型设计,避免溶剂附在水箱面残留,快速回流到储存溶剂箱里密封保存,减少溶剂挥发。两侧毛刷固定墙板采用高强度铝合金,全部采用CNC加工中心加工,保证每根毛刷的精度。毛刷轴套采用含石墨铜套,保证精度及耐用性。平刷摆动与圆刷转动均采用高端伺服步进电机驱动,速度可快慢调节,适合各种柔版高精度清洗。洗版溶剂分三段独立供水,1、洗版区,2、清残区,3、洁版区。设备带有浓度检测,自动更换新旧溶剂。合理排风设计能最大限度减少溶剂散发,确保车间空气的清新。具体规格有: 4260/5280/52100(1530x1070/2032x1320/2540x1320)。

KEMAO fourth generation automatic high precision washing machine is the latest developed updated generation washing machine. It has the advantages of simple structure and complete functions, stable transmission, reliable and durable, simple maintenance and convenient maintenance, high washing efficiency, good quality and saving potions. The washing platform adopts high strength aluminum alloy assembly structure to ensure the flatness of the platform. The bottom of the washing box is made of mirror stainless steel plate and funnel design to avoid solvent residue on the tank surface, and quickly reflux to the stored solvent box and sealed to reduce solvent volatilization. The brush fixed wall panels on both sides are made of high strength aluminum alloy, all processed by CNC machining center, to ensure the accuracy of each brush. The brush shaft sleeve is containing graphite copper sleeve to ensure accuracy and durability. Flat brush swing and round brush rotation are driven by high-end servo stepping motor, the speed can be adjusted fast and slow, suitable for all kinds of flexo high-precision cleaning. The solvent is divided into three independent water supply, 1, washing area, 2, cleaning area, 3, clean plate area. Equipment with concentration detection, automatic replacement of old and new solvents. Reasonable exhaust design can minimize solvent emission and ensure fresh air in the workshop. Specification is: 4260 / 5280 / 52100 (1530x1070 / 2032x1320 / 2540x1320).

2-2 3AW19连线式柔版洗版机

专利号/The patent number:No.2019204558392

KMF 3AW19 wired flexo washing machine



KMF 3AW19系列连线式洗版机设自动溶剂恒温、浓度检测装置,自动控制补充及排放溶剂,洗版压力可任意设置。主洗版毛刷采用减速机传动方式,振动小、低噪音、稳定、安全。粗洗单元与中部洁版单元水箱分开,避免粗洗出来的数码版面黑膜污染洁版单元区域的溶剂。中部清洗单元带360度双向旋转洗版,当该单元溶剂箱装满后自动流入粗洗版单元水箱。最后版面清洁单元和底刷使用全新溶剂清洗版面。使用后自然流入中部清洗单元的溶剂箱。整机洗版毛刷共19支。洗版速度可以任意调速,适合制作包括各种高精度数码版、普通柔版清洗。配置吸气排风系统。具体规格有: 4260/5280/52100/52120(1530x1070/2032x1320/2540x1320/3050x1320)。

KMF 3AW19 Series wired washing machine is equipped with automatic solvent constant temperature, concentration detection device, automatic control supplement and discharge solvent, washing pressure can be set arbitrarily. The main wash brush adopts the transmission transmission mode, with low vibration, low noise, stability and safety. The rough washing unit is separated from the water tank of the central clean unit to avoid the contamination of the solvent in the digital layout of the clean unit. The middle cleaning unit has a 360-degree bidirectional rotation washing plate, which will automatically flow into the rough washing unit water tank when the unit solvent box is full. The final layout cleaning unit and bottom brush clean the layout with a new solvent. Naturally flow into the solvent tank of the middle cleaning unit after use. The whole machine wash plate hair brush a total of 19. Washing plate speed can be adjusted at will, suitable for production including a variety of high precision digital plate, ordinary soft plate cleaning. Conwith suction exhaust system. Specification is: 4260 / 5280 / 52100 / 52120 (1530x1070 / 2032x1320 / 2540x1320 / 3050x1320).

3-1 KMF-LSD系列光处理烘干机

专利号/The patent number:No.201921960700X

KMF-LSD Series light treatment drying machine



光处理单元采用UVC混合进口UVA灯作光源。完成除粘工作后自动切换至后曝光工作,不仅省却除粘后搬运版材至曝光机的时间,还有效保护了主曝光机的光源寿命,解决因搬运而损坏版材的风险。除粘和后曝光灯头及电气元件均与灯管部分隔离。所有的灯座,电线,电器都在灯的外面,而且每一支灯管二端都有密封护套。避免光照处理、臭氧腐蚀电器元件。所有的灯管都是独立的,而传统的机器是所有的管子都固定在一个支架座上,如果支架或折灯管座松动,又或者任何一支灯管长度不一样,都会导致灯管接触不良,造成光源不稳定影响制版质量。但我们的技术,世界首创技术,任何一支灯管都是独立固定的,即使以后购买的灯管长度不一样,或者支架松动,都不会导致灯管接触不良。本设备使用安全、电气原件灯管寿命长、质量稳定。日后灯管更换或者维护方便快捷。设强力排臭氧装置以免臭氧腐蚀设备后影响制版质量。烘版单元设四层烘版柜,各处温差机风力均匀,加热均设置恒温装置,以保证烘箱各处温差 $\pm \leq 3^{\circ}\text{C}$,避免因温差不均而影响印版套色的准确性。设置自动恒温进风和强力排风装置,以确保风力和温度均匀并及时排除臭氧加快烘干速度。

Light treatment with imported UVC mixed imported UVA mixed light source. After the completion of the removal of adhesive work, the automatic switch to the post-exposure work, not only save the removal of the plate to the exposure machine time, but also effectively protect the light source life of the main exposure machine, but also solve the risk of damage to the plate due to handling. Have strong ozone device, to avoid corrosion of ozone equipment affect the quality of plate making, after baking machine has four layer drying cabinet, edition of trilateral hot air circulation, heating were set up throughout constant temperature device, ensure the oven temperature difference between $+ 3^{\circ}\text{C}$ or less everywhere, configure automatic constant temperature into the wind and strong exhaust device, ensure that the wind and temperature uniformity, promptly eliminate ozone to speed up the drying speed.

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3-2 KMF-LS光处理机

KMF-LS light-processing machine



光处理单元采用UVC混合进口UVA灯作光源。完成除粘工作后自动切换至后曝光工作。除粘和后曝光灯头及电气元件与灯管部分隔离。本设备使用安全,电气原件及灯管寿命长、质量稳定。日后灯管更换或者维护方便快捷。设强力排臭氧装置以免臭氧腐蚀设备后影响制版质量。

UVC mixed inlet UVA lamp. Automatic switch to post exposure after viscosity removal. The electrical element and the lamp tube. Safe use of equipment, electrical original and lamp tube long life, stable quality. After the lamp tube replacement or maintenance are convenient and fast. Equipped with a strong ozone discharge device, to avoid ozone corrosion equipment.

3-3 KMF-D烘干机

KMF-D drying machine

烘版单元设四层烘版柜,各处温差机风力均匀,加热均设置恒温装置,以保证烘箱各处温差 $\pm \leq 3^{\circ}\text{C}$,避免因温差不均而影响印版套色的准确性。设置自动恒温进风和强力排风装置,以确保风力和温度均匀并及时排除臭氧加快烘干速度。



After baking machine has four layer drying cabinet, edition of trilateral hot air circulation, heating were set up throughout constant temperature device, ensure the oven temperature difference between $+ 3^{\circ}\text{C}$ or less everywhere, configure automatic constant temperature into the wind and strong exhaust device, ensure that the wind and temperature uniformity, promptly eliminate ozone to speed up the drying speed.

4-1 KM4RS智能自动化溶剂回收机

KF-4RS Intelligent automatic solvent recovery machine

专利号/The patent number: No.2020230878124

KEMAO成功开发第四代更智能化、自动化、更安全、更节能高效的,无人值守、不间断工作、非接触式液位控制控的环保智能溶剂回收机。工作途中可以无人值守,回收过程,中途自动补充废溶剂不间断工作,新溶剂源源不断的直接进入洗机器或者进入车间的溶剂储存桶。配置废渣电动排放及导热油自动循环功能,减少夹层积碳,提高机器耐用性和回收速度。



KEMAO has successfully developed the fourth generation of more intelligent, automated, safer, more energy-saving and efficient, unattended, uninterrupted working, and non-contact liquid level control of environmental protection intelligent solvent recovery machine. On the way to work can be unattended, recycling process, the waste solvent automatically supplemented uninterrupted work, new solvent directly into the washing machine or into the solvent storage bucket in the workshop. With waste residue electric discharge and thermal oil automatic circulation function, reduce sandwich carbon deposition, improve machine durability and recovery speed.

4-2 KM-3RS200三代升级版溶剂回收机

KM-3RS200 Solvent recovery machine



采用新款结构,集溶剂回收、冷却、新溶剂储存于一体,简洁、安全(防爆、防燃)、高效、节能、智能、节省空间,美观使用。配置真空减压装置,可通过该装置直接抽入废溶剂,具有降低沸达到节能环保的优点,加快溶剂回收速度。

Adopt the new structure, including solvent recovery, cooling, new solvent storage in one, simple, safe (explosion-proof, flame prevention), high efficiency, energy saving, intelligent, space saving, beautiful use. Equipped with a vacuum decompression device, the waste solvent can be directly pumped in through this device, which has the advantages of reducing boiling to achieve energy saving and environmental protection, and speeding up the solvent recovery speed.

5.KMF-RW滚筒式柔版洗版机

KMF-RW roller flexible plate washing machine



本设备专门为柔版洗版之途用。毛刷可以左右摆动。版滚筒可电动调上下压力高度。洗版质量好、稳定效果、节省占地空间。配置溶剂箱,溶剂可以一边洗版一边循环。洗版后全新溶剂喷淋装置,喷淋之前旧溶剂全部回到循环溶剂箱。

Special roller type flexible plate washing machine. The brush can swing from side to side. The roller can electrically adjust the upper and lower pressure height. Wash the version of good quality, stable effect, save the floor space. With the solvent box, the solvent can be recycled. After washing, a new solvent is sprayed, and all the old solvent is returned to the circulating solvent box.

6.KMS-无缝柔版制版机

KMS-Sleeve flexible plate-making machine

KEMAO作为中国有史以来中国唯一一家能够生产制造无缝柔版制版机的企业。十几年来成功为国内顶尖制版企业提供着高端无缝套筒柔版制版机，并一直在正常正在使用中。一套KEMAO后道无缝柔版制版机，包括有UVA-LED滚筒式柔版曝光机、滚筒式柔版洗版机、滚筒式烘干机、UVA-LED混合UVC光处理机等四台机器组成。更具体的技术细节，我们将向确有意向的商家提供。

KEMAO is the only company in Chinese history that can make plate making machines without seams. For more than ten years, it has successfully provided high-end seam less sleeve flexo making machine for domestic top plate making enterprises, and has been in normal use. A set of KEMAO rear channel no seam flexo making machine, including UVA-LED roller flexoe exposure machine, roller flexo washing machine, roller dryer, UVA-LED hybrid UVC light processor a total of four machines. More specific technical details, we can provide to businesses who are really interested.



7.KMF-02系列平板式制版机

KMF-02 Series flat plate maker

本系列制版机包括揭盖式曝光除粘一体机、平板式洗版烘干一体机各一台机器组成。曝光可以采用UVA-LED灯管或者传统UVA灯管作光源，除粘采用UVC灯管做光源；洗版机为毛刷转动式结构，可以一边洗版一边搅动溶剂进行洗版。洗版下面设二层烘干柜。

This series of plate making machine includes uncovered type exposure and adhesive machine, flat type washing and drying machine each composed of one machine. The exposure can be UVA-LED lamp or traditional UVA lamp light source, with UVC lamp light source; the washing machine is a brush rotating structure, which can stir the solvent while washing. Under the washing unit is the second-floor drying cabinet.



8.KMF-01A系列柔版制版一体机

KMF-01A Series flexible plate machine



本系列设备集洗版/晒版/除粘/烘版于一体。洗版单元毛刷转动式,带有溶剂过滤循环装置(用于配套CTP设备制版时过滤黑膜)。晒版单元采用特制高能量高质高寿命的科茂首创的UVA-LED光源作光源(比传统光源高20%以上)。除粘采用进口UVC灯作光源。设二层烘干柜。

The equipment is washed with exposure / viscosity removal / drying together. The washing unit brush is rotating and equipped with a solvent filter cycle device (filter digital black film). The exposure unit uses the UVA-LED light source pioneered by KEMAO with special high energy, high quality and long life (more than 20% higher than the traditional light source). Imported UVC tubes for viscosity removal. 2-layer drying cabinet.

9.KML系列液体树脂版制版机

KML Series liquid resin plate making machine

专利号/The patent number:No.2016204039005



液体树脂版制版机包括全球首创技术---UVA-LED扫描式液体树脂版曝光机(上下光源采用LED光源)、连线式或者平板式洗版机烘干机、光处理机、树脂回收机、搅拌机、恒温箱一共6台机器。机器规格有: 3042/3155/3571/4280(1060x760/1400x800/1800x900/2030x1070)。

Liquid resin plate making machine includes the world's first technology- - -UVA-LED scanning liquid resin plate exposure machine (LED light source for upper and lower light source), Connecting line washing machine or flat plate washing and drying machine, light processor, resin recovery machine, mixer, incubator a total of 6 machines. The machine size is 3042 / 3155 / 3571 / 4280 (1060x760/1400x800/1800x900/2030x1070)。

B. 智能高清高效贴版机

专利号/The patent number: No.2023305102406

HD high-speed efficient paste flexo plate machine



智能高清高效贴版机是KEMAO伙伴单位铠怡融公司专业针对柔印领域首创研发设计的新产品。只要拥有该机器将会大大提升贴版精度和效率,从此贴版变得轻松省事,无需工人经验得心应手轻松高效工作。采用高清显示器、源文件内容按1:1比例精准显示。装置设计科学人性化、屏显亮度可调、垂视觉定位精准、性能稳定、操作简单、高速输出、性价比高,是制版印刷包装行业贴版的好帮手。只需要轻松移动鼠标片基可以贴无限大的印版。

Intelligent hd efficient publishing machine is the KEMAO partner unit- -KAIYIRONG company is the first new product developed and designed in the field of flexo printing professionally. As long as the machine can greatly improve the accuracy and efficiency of the paste, the paste will become easy, and workers need to work easily and efficiently without experience. The machine uses hd display, file content according to 1:1 proportion accurate display. The device design is scientific and humanized, the display brightness is adjustable, accurate vertical visual positioning, stable performance, simple operation, is a good helper of the printing, printing and packaging industry. Just need to easily move the mouse or chip base can stick an infinite plate.

一、主要技术参数 || Main technical parameters:

- ◆ 装置物理规格:2500*1450*850(L*W*H)mm
- ◆ Physical specifications of the device: 2500*1450*850 (L*W*H)mm
- ◆ 屏显物理规格:2200*1260(L*W)mm
- ◆ Physical specifications of screen display: 2200*1260 (L*W)mm
- ◆ 高清分辨率一体式大屏显示器,亮度两档可自由调节,高效实现对版、贴版工作。
- ◆ High-definition resolution integrated large-screen display, the brightness can be adjusted freely, and the plate and board work can be efficiently realized.
- ◆ 挂板条可直接在板槽中固定,左右移动顺滑便捷。
- ◆ The hanging slats can be fixed directly in the board groove, and the left and right movements are smooth and convenient.
- ◆ 整机一键式启停设置,软、硬件操作简单方便;有无电脑操作基础者均可使用。
- ◆ One-button start-stop setting of the whole machine, simple and convenient operation of software and hardware; It can be used by anyone with or without a basic computer operation.

二、软件开发具体要求 || Specific requirements for software development:

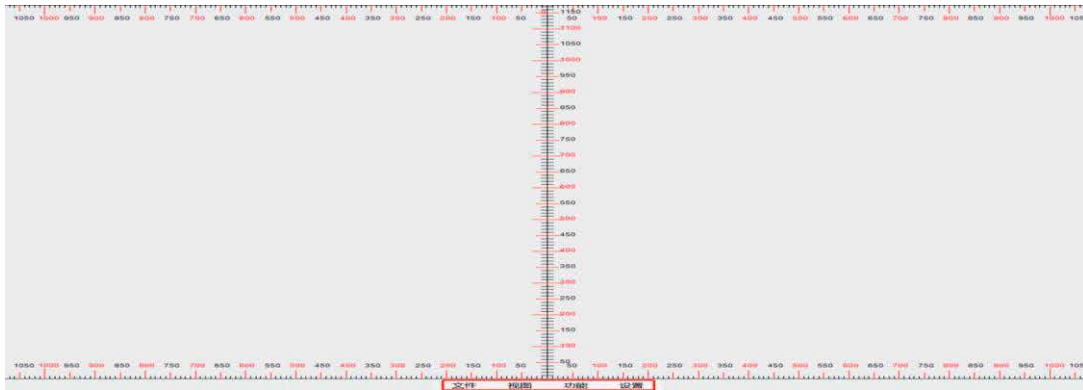
- ◆ 我公司自主研发控制显示器与软件,基于Windows系统自主研发,基于PDF源文件1:1高精度与胶片融合对接贴版,操作简单方便;软件源代码基于C#嵌入式语言为基础进行开发。
- ◆ Our company's independent research and development of control display and software, based on Windows system independent research and development, based on PDF source file 1:1 high-precision and film fusion docking board, simple and convenient operation; The software source code is developed based on the C# embedded language.
- ◆ PDF及AI文件可在大小不同显示器的屏幕上以1:1的文件大小进行显示。
- ◆ PDF and AI files can be displayed in a 1:1 file size on screens of different sizes.
- ◆ 软件的主要功能 || Key features of the software
 - 软件首页界面:“工”字型居中线,以刻度尺样式显示,并配置标准文件校正器。
 - Software home page interface: "I" font is centered on the line, displayed in scale style, and equipped with a standard file corrector.
 - 软件简单易操作,所有功能模块居中正下方,不占用客户文件显示空间。
 - The software is simple and easy to operate, and all functional modules are centered directly below, which does not occupy the display space of customer files.

■ 设置开机(客户端操作试用,简易6位数字即可)及后期我司软件维护与升级密码(设备产权保护系统,可远程进行软件升级与故障排查等)。

■ Set up the boot (client operation trial, simple 6 digits can be) and later our software maintenance and upgrade password (equipment production rights protection system, software upgrade and troubleshooting can be carried out remotely, etc).

软件菜单栏:包含“文件”、“视图”、“功能”、“设置”四大部分

Software menu bar: It contains four parts: "File", "View", "Function", and "Settings".



C. KMP系列印版清洗机

KMP Series plate washing machine

KEMAO于2015年在中国首家推出连线式印版清洗机。解决长解以来采用人工洗版的烦恼。清洗效果好、速度快、操作方便。洗版采用平刷+圆滚刷混合交错运动的洗版方式,集横向、纵向和旋转式洗版于一体,含版底清洁刷共13支毛刷。适合洗任何从0.1-7.0mm厚度的各种柔版表面的油墨。带底部清洁毛刷,可以清洗印版底部。带自动溶剂恒温、自动补充及排放功能、自动浓度检测等装置。是柔印包装企业清洗印后柔版的好帮手。

KEMAO 2015 In China, the first to launch the connection type plate cleaning machine. Good cleaning effect, fast speed, convenient operation. Use flat brush + round brush mixed staggered motion wash, including the bottom cleaning brush a total of 13 brushes. Suitable for washing any ink on various flexo surfaces from 0.1-7.0mm thickness. Configure the bottom cleaning brush. Equipped with automatic solvent constant temperature, automatic supplement and discharge, automatic concentration detection device. It is a good assistant for flexible printing packaging enterprises cleaning after printing flexo.



E. 自动片基压合机

Automatic substrate pressing machine

本设备用于柔印包装厂版房上机印刷之前,采用变频技术把挂版条压合在片基的一头,方便印刷使用,设备规格大小可选。只需要轻轻移动挂版条和片基,再轻轻踩脚踏开关,就可以进行高效的将挂版条压合在片基一端,压合效果好产量高,使用安全简单快捷。

This equipment is used in packaging factory before flexo printing. The frequency conversion technology is used to press the hanging strip to one end of the base film, which is easy to use and with optional specifications. All you need to do is gently move the hanging strip and the base film, and gently press the foot switch, which can efficiently press the plate hanging strip to one end of the base film. It is with good pressing effect, high yield and safe.



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