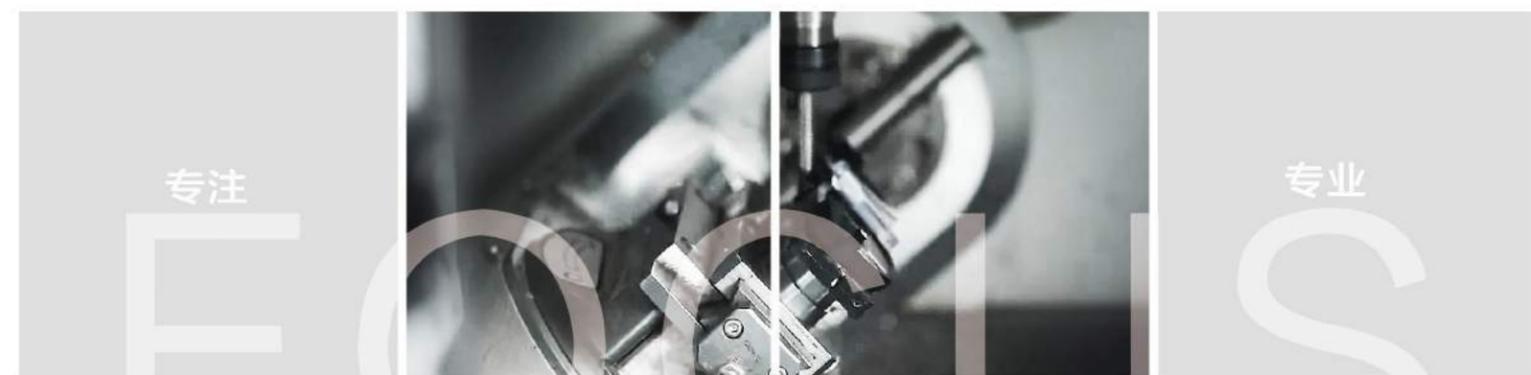


# 专注眼镜自动化设备

Focus On Optical Automation Equipment



浙江日科自动化设备有限公司

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# CATALOG

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# ABOUT RIKE

## 日科简介

浙江日科自动化设备有限公司位于嘉兴市嘉善经济开发区，公司成立于2003年，占地面积23310平方，注册资金1080万，属于高新技术产业。

日科人凭借对眼镜制造业工艺流程的专业知识与丰富经验基础，并针对眼镜产业研发与制造各种自动化设备，目前公司拥有多项专利技术，所生产的眼镜专用设备在行业同类产品市场占有率达80%以上，为满足行业发展需求及对用户售后

的终身保证，日科将以更高的高度，专注于眼镜产业自动化设备持续创新，不断地延伸售后服务内容，成为眼镜设备产业专用自动化设备的第一品牌。

十三年潜心创新，积淀，我们拥有数控五轴联动，影像定位，激光测量，介质高频，振动拼接，软件开发等多个科技领域的技术研发团队，并培养了大批行业CNC人才，开创了CNC新时代；十三年创新理念，为行业持续发展需求奠定了坚实基础。

*Zhejiang RIKE Automation Equipment Co., Ltd. (abbr. RIKE), located in Jiashan Economic Development District, Jiaxing City, founded in 2003, covering an area of 23310 square meter, with the registered capital of RMB10.8 million, belonging to the high-tech industries.*

*By the professional knowledge on the glasses manufacturing process and rich experience, and by long-term R&D and manufacturing of various automatic machines special for the optical industry, RIKE has a number of patented technologies now, and has a market share of over 80% in the similar production industry. For the demand of industry development and*

*the lifetime after-sale service, RIKE will, in a higher level, focus on the continuous innovation of the equipment and extend the after-sale service scope, to become the first brand in the field of optical automatic equipment industry.*

*By thirteen-year painstaking research and innovation, RIKE has its own technology R&D team for many science and technical fields such as CNC five-axis, image positioning, laser measurement, medium high frequency, vibration stitching, software development, and so on. RIKE has also cultivated a lot of CNC talents and created a new CNC Era. RIKE's 13-year innovative ideas have laid a solid foundation for a sustainable development of the industry development.*



# RIKE HONOR

## 日科荣誉



- 2015.05 日科荣获“浙江眼镜配套十强企业”称号；  
*The honor of "Top 10 Enterprise of Optical Supporting Industry in Zhejiang Province"*
- 2014 日科凭借“数控五轴联动板材切割机”项目荣获中国轻工业联合会授予“优秀奖”；  
*"Excellence Award" for the production of "Five-axis Sheet Cutting CNC"*
- 2013.10 日科荣获嘉善经济技术开发区“辉煌二十年”授予“特别贡献企业”奖；日科人林法霖荣获“创业创新精英”奖；  
*The Award of "Special Contribution" for the enterprise and the honor of "Innovation Elite" for Mr. Lin Falin*
- 2007.09 日科成型控制系统获得计算机软件著作权专利；  
*The computer software copyright patent for the forming control system of RIKE*
- 2007.01 日科被评选为2006年度“浙江省眼镜行业优秀配件配套企业（设备类）”。  
*The honor of "2006 Annual Excellent Enterprise in Optical Supporting Industry in Zhejiang Province"*

# RIKE VISION

## 日科愿景

这是一个科技日新月异席卷全球的时代；  
这是一个产业亟需转型升级的白热化阶段；  
在这里，我们洞悉创新，趋势；  
在这里，我们对美好未来的追求与构想。

在这里，我们用高效率衡量进步，用生产力诠释成功。  
一直以来，我们专心致力于眼镜自动化设备的研发与制造，  
以眼镜产业提升自动化效能解决方案为宗旨，  
推动中国眼镜产业快速发展而服务。

*This is an era of ever-changing technology sweeping the globe;  
This is a white-hot stage for urgent demand for industry transformation and upgrading;  
Here, we have insight into innovation and trends;  
Here, we have our own vision to pursue a better future.*

*Here, we measure progress with a high efficiency and interpret success with productivity.  
We have specialized in the R&D and manufacture of optical automation equipment all along  
For the purpose of enhancing the effectiveness of automation solutions for optical industry to promote the rapid development of the optical industry in China.*

# RIKE CULTURE

## 日科文化

### 董事长致辞

CHAIRMAN SPEECH

我们自始至终高效的服务能够让您更具行业竞争力。  
用日科董事长林法霖的话，我们起底眼镜制造业，与眼镜打了20几年的交道，  
“我们更了解行业需要什么。”

*Our efficient service throughout the whole process will allow you to be more competitive in the industry. We started from manufacturing optical equipment and have experience over 20 years.*

*"We know more about what the industry demands."*

*Said by Mr. Lin Falin, the chairman of RIKE.*

### 强大的研发团队

STRONG R&D TEAM

强大的研发队伍，是创新的技术保障！

我们与意大利知名的眼镜自动化设备供应商——意大利LG公司合作，共同研发；与行业最领先的国际型企业建立了常规的技术信息交流机制。

“不断提出最顶尖的研发观念和最前沿的设计理念转化到设备上，为用户提供最大价值的高效服务。”

*Strong R & D team is the technology guarantee of innovation.*

*We have cooperation with LG, the renowned Italian eyewear automation equipment supplier, for united research and development; we have also established a mechanism of regular exchange of technical information with the leading international enterprises in the optical industry.*

*By continuously proposing top R&D concept and putting the cutting-edge design ideas into the production, we provide the equipment users with the most valuable and efficient service.*

### 专注品质

FOCUS ON QUALITY

我们为客户打开竞争性行业新视野，创造更具价值的可持续生产力。

专注品质，开拓创新，坚守“用200%的努力换取客户100%的满意”的理念，为客户提供全套自动化解决方案，形成了节能、高效、低成本的技术服务，我们自始至终高效的服务能够让你更具行业竞争力。

*We help the users widen their new competitive vision and create more valuable sustainable productivity.*

*Focusing on quality, development and innovation, we promote the principle of "To get 100% of the customer satisfaction with 200% of our own effort", Our efficient service throughout the whole process will allow you to be more competitive in the industry.*

### 工欲善其事，必先利其器

RIGHT TOOL FOR RIGHT JOB

十三年潜心创新，积淀，我们拥有数控五轴联动，影像定位，激光测量，介质高频，振动拼接，软件开发等多个科技领域的技术研发团队，并培养了大批行业CNC人才，开创了CNC新时代；十三年的创新理念，为行业持续发展需求奠定了坚实基础。

我们将以更高的高度，专注于眼镜产业自动化设备持续创新，不断地延伸服务内容，我们致力成为眼镜设备产业自动化设备最具价值的高效合作伙伴。

*By thirteen-year painstaking research and innovation, RIKE has its own technology R & D team for many science and technical fields such as CNC five-axis, image positioning, laser measurement, medium high frequency, vibration stitching, software development, and so on. RIKE has also cultivated a lot of CNC talents and created a new CNC Era. RIKE's 13-year innovative ideas have laid a solid foundation for a sustainable development of the industry development.*

*RIKE will, in a higher level, focus on the continuous innovation of the equipment and extend the after-sale service scope, to become the most valuable and efficient cooperater in the field of optical automatic equipment industry.*



# RIKE SERVICE

## 日科服务

我公司分别在温州、深圳、东莞设有办事处，并在每个办事处均配有专用售后服务车。我们承诺在接到客户电话后24小时内到达现场为用户排除故障，为保证客户设备使用效率最大化。我公司在各办事处均配有常用的零部件，如遇大型配件（如：主轴、伺服电机、控制器等）需要维修服务，在维修期内公司无偿提供备用配件来保证用户的生产。

*We have offices in Wenzhou, Shenzhen, Dongguan, and equipped with special after-sale service vehicles in each zone. For keeping the equipment efficiency at maximum level, we are committed to arrive at the scene within 24 hours after receiving customer calls to troubleshooting. There are common parts in each office for normal service. For the parts of large-scale such as spindles, servo motors, controllers, etc., we will provide free of charge Spare parts to ensure the user's production during the maintenance period.*



在您购买的日科设备使用过程中，凡在正常使用寿命范围内，若有因设备本身质量问题引起的产品不能正常使用，可以在分布全国的日科办事处凭购买凭证和保修卡得到免费修理直至更换同一设备。

*During the process of using equipment, where in the normal working life span, if the product damaged due to the quality problems caused by the equipment itself, the user can ask for a free reparation till the replacement of the same device in the RIKE's offices distributed all over the state.*

非设备本身质量引起的产品损坏，也可在分布全国的日科办事处得到优质服务。此维修收费标准依据日科制定的标准执行。如果您的设备在保修期外出现问题，日科也将提供优惠的收费维修服务。

*Where the product damaged not due to the quality of equipment itself, it is also possible to get quality service at a predefined standard cost in RIKE offices across the country. RIKE will provide users with preferential service even for the equipment out of the warranty period.*

# Matching Accessories

## 配套配件

### 刀具 / Tool



刀具 01 / Tool 01



刀具 02 / Tool 02



刀具 03 / Tool 03



刀具 04 / Tool 04

### 弹头 / Expansive Disc



圆弹头 01  
Round Expansive Disc 01



方弹头  
Square Expansive Disc

### 模具 / Mould



模具 / Mould

# RIKE 810

## 全自动3D电脑绕圈机 Auto 3D Rim Bending M/C

是国内行业自主研发最先推出的3D电脑绕圈机，在行业市场占有率达90%以上。

It is the first launch by independent research and development in domestic optical industry, with a market share over 90%.



# RIKE 810

## 全自动3D电脑绕圈机 Auto 3D Rim Bending M/C



# RIKE 540

## 高速高精金属CNC钻铣机

### High Speed & Precision Metal Drilling and Milling M/C

“540-高速高精金属CNC钻铣机”专为加工金属眼镜部品配套，针对油压铸件，钢皮、铜板、铝框等各种金属件全方位钻铣加工，根据产品工艺需求，此机分别有三轴、四轴、五轴联动三种不同配置，对压好弧弯的铅架可一次性内外圈加工成型。加工行程为5040、配磁浮高速16把BT30飞碟自动换刀盘，主轴功率5.5、18000转。可用于手机电子、汽摩配、模具等领域的产品加工。

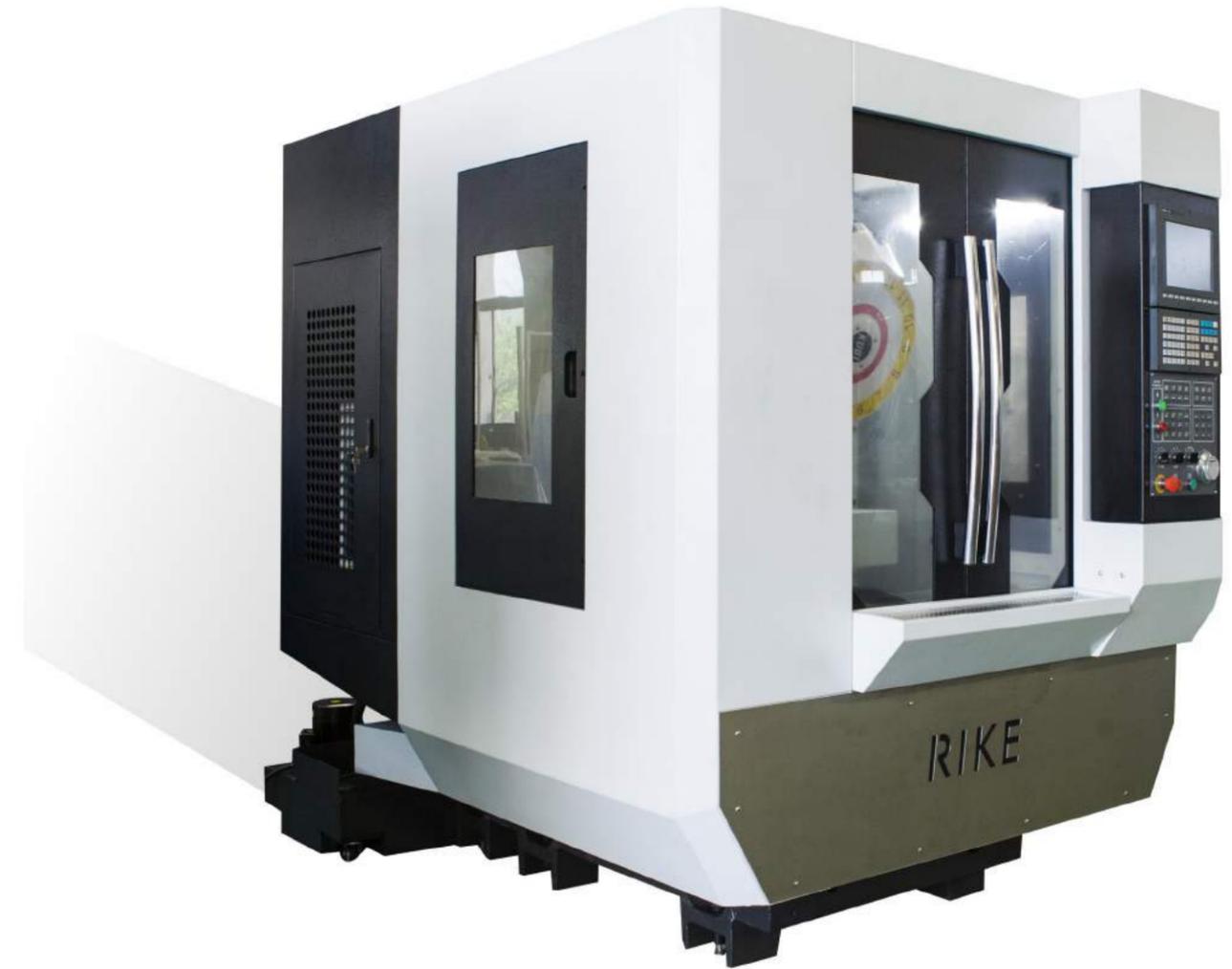
It is designed for a full range of drilling and milling special for processing metallic glasses parts such as hydraulic casting, steel sheet, copper plate, aluminum frame etc. According to the process requirement, there are three different configurations of 3-axis, 4-axis and 5-axis linkage respectively. It is possible to make the bended lead frame inner and external ring formed in one time. This machine is also suitable to the fields of mobile phone electronics, auto-motor parts, and mold processing industry.



# RIKE 540

## 高速高精金属CNC钻铣机

### High Speed & Precision Metal Drilling and Milling M/C



# RIKE 990E

## 开料开脾刨脾压鼻梁机

Automatic Material Cutting, Temple Milling and Nose bending M/C

此机功能相当与一台开料机+ 一台压鼻梁机+开脾刨脾机。开料采用圆刀盘锯片开料、省刀省料，开料开脾均可实现横开竖开，同时开脾料可自动分左右边。

This machine is a function and cutting machine and a press machine and nose bilge bilge machine. The opening adopts round knife plate, saw blade open, save the knife, save material, open the material and open the spleen, it can realize the horizontal opening and vertical opening. At the same time, the spleen can be automatically divided to the left and the right.



# RIKE 990E

## 开料开脾刨脾压鼻梁机

Automatic Material Cutting, Temple Milling and Nose bending M/C



# RIKE 780

## 全自动压鼻梁机

### Auto Nose Bending M/C

自动送料、压鼻梁、打中心定位孔，铣定位槽、采用加热与压中梁同步加工，同步平行送卸料，从而大大提高了生产效率和产品尺寸标准一致性。调机快速，10秒1付。

By automatic feeding, nose bending, milling central position-hole, and milling position-groove, with synchronous processing of heating and nose-pressing and feeding and discharging in parallel, the production efficiency is improved greatly and the dimension is uniform. It is possible to make a pair per 10 seconds for quick set-up.



# RIKE 780

## 全自动压鼻梁机

### Auto Nose Bending M/C



# RIKE 280A

摩擦拼料机

Friction Bonding M/C

是我司第三代圆磨拼料机，产品工艺稳定。(1300-1500付/天)

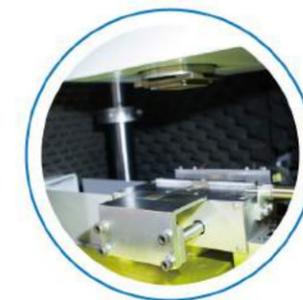
It is the circular friction bonding machine of Generation 3, with stable process. (1300-1500 pair/day)



# RIKE 280A

摩擦拼料机

Friction Bonding M/C



# RIKE 230

## 意大利胶水贴叶子机

### Italy Gluing M/C

是一款最新引进意大利拼料工艺的机器：拼庄头、叶子；胶水无味无毒、不挥发；耗材成本低只需原先的一半费用；无起泡无水印；粘时间短，8小时可加工，是目前拼料品质最稳定的一种工艺，不良品率仅1/1000。

It is a new kind of machine applying the Italian bonding process. The glue for bonding lugs is non-toxic without any volatilization. It is only half of the original cost for the current consumable materials. There is neither foaming nor water stain, but at short bonding time, which is one of the most stable piecing process at a low defect rate as of 1/1000.



# RIKE 230

## 意大利胶水贴叶子机

### Italy Gluing M/C



# RIKE 990A

## 全自动内形切割机

Auto Internal Milling M/C

自动送料、铣内圈、铣砖头眼合料，加工速度仅13秒/付。

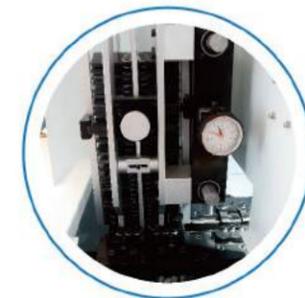
Automatic feeding, milling inner ring and lug, at a process speed of 13 seconds per pair.



# RIKE 990A

## 全自动内形切割机

Auto Internal Milling M/C



# RIKE 990B

## 全自动四轴五轴智能板材机

Auto 4 Axis/5 Axis CNC for acetate sheet

此机是我司历经9年，对板材眼镜花铣机精心研发制造的经验积累和技术沉淀，并结合现在国际数控领域最新技术，以全新的加工理念演变而成！是目前全球行业内最智能、自动化程度及产能最高的CNC。保留了数控机床常规设计理念，为一个标准主轴座标、同一个基准加工面的优点！自动对刀自动装卸刀！并采用国际数控领域最新科技和我司独创最快的双主轴同步换刀专利技术

It is the most intelligent CNC with the highest productivity in the current global industry, as a technical precipitation and rich experience accumulation, through careful R&D and manufacturing of nine years, combined with the current international most advanced technology, evolved from a full new processing concept. It retains the conventional design concept of CNC machine tool, with the advantage as a standard spindle coordinate in a same datum machining surface. By automatic tool loading and unloading, applying the international latest NC technology combined with our own patent of the fastest dual spindle synchronization of tool changing, not only the problem of time-wasting for rational tool changing is solved, but also the working life expectancy of the original spindle is prolonged by three

times, 既彻底解决了传统机床换刀时间的浪费，同时使原有主轴寿命提高3倍。带智能预先备料，加工产品与送备料同时运作、使加工不停顿连续性生产。独有的自动送料一步到位、直接精准稳定、免调节，换不同尺寸板料调机无需任何手动调节，全部采用数控模式，调机智能、简单、快速。内外圈花统一成型，能做到各种复杂的型号，大大提高产品稳定性、安全性和加工效率。（内外圈1分40秒）

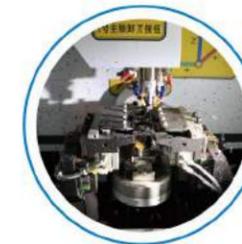
With the function of intelligent pre-preparation, it is possible to process while material feeding and preparing for continuous processing without any stop. This machine is of such unique advantage of automatic feeding in one step, which is direct, accurate and stable, and in no need of adjustment. When changing different size sheets, it needs not any manual operation but all automation in CNC modes intelligently, simply and quickly. Both inner and outer ring are milled and formed in one time, which can make various complex models are possible to be done, which can also improve the production stability, safety and processing efficiency. (Only one minute and forty seconds for whole inner and outer ring)



# RIKE 990B

## 全自动四轴五轴智能板材机

Auto 4 Axis/5 Axis CNC for acetate sheet



# RIKE 850

## 自动钉铰链机

### Auto Hinge Insert M/C

带高度及边定位测量，精度可控制在（正负）0.05mm，可做到框牒通配，系统全为菜单式填充，无需编程人员，普通员工即可操作。

With the height and edge position detection, the precision can be controlled at  $\pm 0.05\text{mm}$ . The operation system is of the menu type, so it is easy to operate even for common staff.



# RIKE 850

## 自动钉铰链机

### Auto Hinge Insert M/C



# RIKE 560

## 全自动智能钉铰链机

### Full Automatic Intelligent Hinge Insert M/C

是目前行业内最智能最高端的机器，也是日科领先推出真正无需人工操作全自动智能钉铰链机，无需任何模具，无需人手装卸眼镜及铰链，返单调机只需10分钟且不浪费调机产品，达到不同批次加工出来的钉铰数据标准一致，是一款为国内外一流眼镜制造商及将来发展自动、智能化生产流水线而配置的机器，也代表着眼镜制造产品加工水平。

It is the most intelligent and advanced machine in the current industry. As the leading production from RIKE, it is real full automatic intelligent hinge insert machine, without any mold or manual handling. Only ten seconds needed for reorder adjustment without any production-waste. It is of the same data standard for hinge inserting in different batch. It represents the current manufacturing process level in the optical industry, special for the first-class eyewear manufacturers at home and abroad, and also for automation development and intelligent production assembly in future.



# RIKE 560

## 全自动智能钉铰链机

### Full Automatic Intelligent Hinge Insert M/C



# RIKE 790

## 全自动框面弯圈机

### Auto Frame Bending Machine

烘烤、面弯、冷冻三合为一体，实现自动送料，智能恒温，自动装卸等，采用我司三项发明专利技术的万能模具、气囊压弯、冷却定型，此机在行业为全球首创、对将来实现自动化智能流水生产线配套起到了奠定基础。

By making the three process of baking, front bending and freezing into one step, to achieve automatic feeding, intelligent thermostat and auto-loading and unloading. Applying RIKE's three technical patents such as the universal mold, the balloon bending and the cooling forming, this machine is the first invention in the world, which is also a solid foundation for the automatic intelligent assemble in future.



# RIKE 790

## 全自动框面弯圈机

### Auto Frame Bending Machine



# RIKE 990D

## 全自动精创刨板机

990D Automation planning m/c

此机为开料后对板材框面的精创处理，节省了对滚筒的要求，提升了产品表面的合格率。

After the material is opened, the fine plane treatment of the plate frame is saved, the requirement of the roller is saved, and the qualified rate of the surface of the product is improved.



# RIKE 990D

## 全自动精创刨板机

990D Automation planning m/c



# RIKE 990F

## 四轴精雕机

990F 4-axis precision milling cnc

可雕LOGO切疵尾一次完成，或雕饰片花铣等，另机器外壳设计完全符合了欧盟安全生产的标准。

Be carved LOGO cut the Bi tail once completed, carving and milling or trailers.in addition,the design of the machine casing conforms to the European Union's standard of safe production



# RIKE 990F

## 四轴精雕机

990F 4-axis precision milling cnc



# RIKE 990G

## 三轴双台面精雕机

990G 3-axis&double work-table precision Milling

一台 990G 等于两台精雕机的效益，一人可看2台机器，与普通精雕机比省去了3个人，另机器外壳设计完全符合了欧盟安全生产的标准。

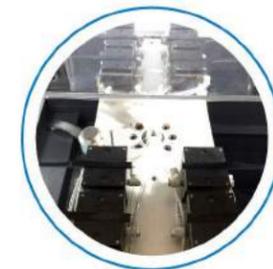
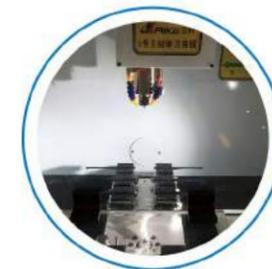
A 990G is equal to two carved machine efficiency, one can see 2 machines, and ordinary carved machine saves 3 people than, in addition, the design of the machine casing conforms to the European Union's standard of safe production.



# RIKE 990G

## 三轴双台面精雕机

990G 3-axis&double work-table precision Milling



# RIKE 990J

## 全动车片机

Full automatic 5 axle car piece machine

该机主要加工切割风镜镜片和单片，全自动送料取料，可加工多种材质的镜片，如CR片、尼龙片等，该机为五轴联动，可加工多球面镜片，可一次割片成型、铣槽、钻孔同时根据加工工序多刀组合转换，可装12把刀，一次完成多道工序，使产品质量和效率大大提高。

The machine is mainly used to process and cut goggles lens and monacles, with fully automatic feeding and reclaiming, making it possible to process a variety of materials such as CR, and nylon. It is a five-axis linkage machine applicable to multi-spherical lens processing and simultaneous processing of cutting, milling and drilling while making a combination and switch among the 12 blades available according to the processing steps to complete multiple processes at one time, which greatly improves product quality and production efficiency.



# RIKE 990J

## 全动车片机

Full automatic 5 axle car piece machine

