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**Richpeace®**

CUTTING AND SEWING

FLEXIBLE MANUFACTURING OF SOFT MATERIAL

SOFTWARE, HARDWARE, MACHINE, COMPLETE EQUIPMENT

OVERALL TECHNOLOGY, COMPLETE PRODUCTS, ALL APPLICATION, FULL MARKET

PROVIDE COMPLETE SOLUTION FOR WEAR (Garment, shoes, caps, bags),

LIVE (Home textile, furniture, home furnishing),

WALK (Automotive interior, aerospace, satellite)

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# AUTOMOTIVE INTERIOR CUTTING & SEWING SOLUTIONS

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**RICHPEACE GROUP**

WWW.RICHPEACE.COM



天津市专利示范单位



国家高新技术企业



ISO9001 : 2001国际质量体系认证



通过欧洲CE安全认证



天津市青年就业见习基地



天津市认定企业技术中心



天津市专利示范单位



天津市软件行业协会会员单位



天津市名牌产品单位



## COMPANY INTRODUCTION

RICHPEACE Group, was founded in 1992 in Hongkong. In 1993, established the first joint venture (SHENZHEN HUAYI) in China mainland. In 2000, invested BEIJING NORTH PHENIX (600435) and went public. In more than 20 years, it invested and established a dozen of high-tech enterprises, and made outstanding contributions to the textile and garment industry.

In 2006, TIANJIN Richpeace Computer & Machinery Co., Ltd was established. It is the production base and the flagship enterprise of the Group. Tianjin RICHPEACE Computer & Machinery Co., Ltd has three wholly owned subsidiaries: Shenzhen RICHFOREVER CAD/CAM Co., Ltd (CAD software), Tianjin Yinrare Technology Co., Ltd (CAM software), Tianjin Richpeace Trading Co., Ltd (import and export). The company is located in Tianjin Baodi economic development zone. In 2006, it was into production, with a total investment of 150 million RMB, covering an land area of 75.5 thousand square meters and construction area of 46.9 thousand square meters.

It owns software, computer, electrical, mechanical and laser five core technology, and has research and development, production and sales as one. The main products include CAD software series, CAD hardware equipment, CAM equipment, laser equipment, sewing equipment, embroidery equipment, quilting equipment, and computer control, total 8 series of products. It has a world famous brand "RICHPEACE", registered in more than 100 countries around the world, especially full class registration in china. It passes through the ISO9000 quality management system certification, and all products have passed the CE security certification. It has more than 300 patents, more than 30 software copyright.

It is the vice president of China knitting Association, director of Chinese Garment Association, Standing Direct of China Institute of textile and garment education, director of Chinese Sewing Machinery Association, vice president of Shenzhen Textile Industry Association, vice president of the Tianjin clothing chamber of Commerce, vice president of Shenzhen software industry association. It is a national high-tech enterprise, is the competitive enterprise of national intellectual property, and receives dozens of Science and Technology Progress Award issued by China Textile Association, China Light Industry Association, Tianjin municipal government, Shenzhen municipal government.

RICHPEACE's vision is: in the flexible material application industry, dedicated to the two process - "cutting + sewing" , gradually realize flexible manufacturing, providing software, computer, electronic control, device, components and whole sets of equipment, complete solutions to customers, enhancing and transforming the ability of the traditional manufacturing industry and implementing Design computerization, production automation and management information integration of the two goals, becoming a global and high-end equipment supplier in "cutting + sewing" industry 4.0.

RICHPEACE's Quality Policy is: manufacture world's advanced product, provide customer's satisfied service, continuously improve management system, and constantly promote product quality.

RICHPEACE products have covered "cutting" and "sewing" these two major areas, including 8 series of products, CAD software series, CAD hardware equipment, CAM equipment, Laser equipment, Sewing equipment, and Computer control. At present, in the world, RICHPEACE is the only one Company who could provide so complete products, all lines equipment, and own completely independent intellectual property rights.

### CUTTING

1. CAD software (fabric design, fashion design and technology, luggage design and technology, sweater design and technology, embroidery design and technology, quilting design and technology, template design and technology, sewing design and technology, spreading, cutting plan).
2. Plotter, Stand Cutter, Stand Inkjet & Cutter.
3. Flatbed Plotter, Flatbed Cutter Machine, Flatbed Inkjet & Cutter Plotter.
4. Automatic Spreading Machine (Knitted & Woven, Tubular Knitted, Home Textile).
5. Automatic Spreading Machine (multi-layers simultaneously).
6. Cutting machine (single layer, 1cm, 6cm).
7. Laser cutting machine (multi-sizes), Laser engraving & Cutting Machine.
8. Template laser cutting machine, Template Milling cutter machine.

### SEWING

1. Automatic sewing machine (arm type, bridge type, single head, multi-heads, dual colors, bar tracking, non-stop, double station, edge sewing, curve sewing, continuously sewing, precise quilt, rotary head).
2. Special sewing machine(sequin, coiling).
3. Customized sewing machine (sunroof roller blind, heating seat, safety air bag, automotive interior, wall insulation, clean mattress, environmental protection filter and other related equipments).
4. Computerized embroidery machine (flat embroidery, cap embroidery, sequin embroidery, tracing cording embroidery, tuft stitch embroidery, coiling embroidery, chenille embroidery, 3D embroidery and other related equipments).
5. Computerized quilting machine (frame type, continuously type, sides quilting, chain stitch multi-needles, multi-needles shuttle, lock stitch multi-needles and other related equipments).

Our products are widely used in clothing (garments, shoes and hats, bags), housing (home textiles, furniture, home furnishing), transportation (automotive, shipbuilding, aerospace) these three major industries more than 100 countries, moreover, we keep long term and close cooperation relationship with leading enterprises of each industry.



## AUTOMOTIVE INTERIOR CUTTING & SEWING SOLUTIONS



## CATALOGUE

### Panoramic Sunroof and Sun Visor Automatic Product Line Solutions

- Richpeace Laser Cutting Machine on Automotive Interiors
- Richpeace Double-edges Automatic Sewing Machine On Automotive Interiors
- Richpeace Automatic Hem Sewing Machine On Automotive Interiors
- Richpeace Automatic Double Station Sewing Machine On Automotive Interiors
- Richpeace Fuse Machine on Automotive
- Richpeace Oil And Preload Machine on Automotive

### Heating Wiring Stitching Used on Seats And Steering Wheel Solutions

- Richpeace Computerized Wiring Stitching Machine On Automotive

### SRS Intelligent Cutting And Sewing Solutions

- Richpeace Dedicated Spreading Machine For SRS
- Richpeace Dedicated Sewing Machine For SRS

### SRS Intelligent Cutting And Sewing Solutions

- Richpeace Automatic Spreading Machine
- Richpeace 1cm Mega-size Multi Layers Automatic Cutting Machine
- Richpeace Three-in-one Computerized Cutting Machine
- Richpeace Single Head Automatic Sewing Machine ( Heavy Material )
- Richpeace Computerized Perforation and Sewing Machine
- Richpeace Automatic Sewing Machine with Cutting Station
- Richpeace Automatic Non-stop Sewing Machine

### Automotive Interior Computerized Embroidery Solutions

- Richpeace Computerized Precision Flat Embroidery Machine

# 1 Panoramic Sunroof and Sun Visor Automatic Product Line Solutions





Richpeace Laser Cutting Machine on Automotive Interiors



Recommended

RPLC-CB180X160S13E

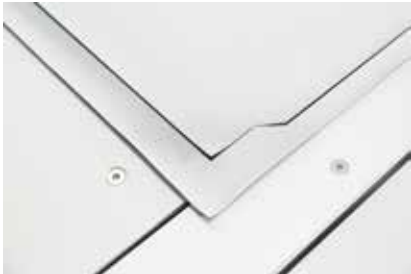
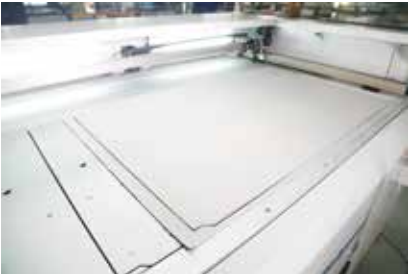
RPLC-CB200X170S13E

Features

- 1. Equipped with automatic feeding system, only need a key to start, it's fully automatic.
- 2. Aluminum oxide work table optional, customized cutting groove according to the cutting path.  
Advantages: No pollution on table and material  
Roll material and piece material can be cut on the same machine.
- 3. SICK brand safety sensor, guarantee operator safe during operation.
- 4. High cutting precision, no rough selvage and other flaws.
- 5. Double cutting head optional, it can increase the working efficiency twice.

Application

Cutting materials used in automotive panoramic skylight and sun visor.



Parameters

Max. Cutting speed	600mm /sec
Location precision	< 0.1mm
Cutting range	1800×1600mm , 2000×1700mm
Power of laser machine	130W ( Germanic Rofin laser machine optional )
Graphic format	Image editable, PLT, DXF
Feeding	A whole roll of fabric can be fed automatically
Control screen	15" colorful touch screen, industry control is Integral

Richpeace Double-edges Automatic Sewing Machine On Automotive Interiors



Features

- 1. Operate by one person only, automatic receiving the fabric roll without frock.
- 2. A bigger presser foot and a smaller presser ( with needle ) foot work without stop.
- 3. Width and length can be adjust automatically.
- 4. Equipped with steel bar automatic transmission function.
- 5. Equipped with safety raster protective device, it can protect the worker safety during working.

Application

Double-edges sewing automotive panoramic skylight and sun visor.



Parameters

Max. working speed	1200 rpm /min
Heads number	2
Control screen	15 inch screen
Power supply	3-phase 380±10%V, single phase 220±10%V 50Hz
Power	10kW
Machine size	5000*2000*1400mm (L*W*H)
Drive control	15-axis servo controlling system
Machine height	3500kg / 3000kg / 2500kg





Richpeace Automatic Hem Sewing Machine on Automotive Interiors



Features

- 1. The frock can change fast.
- 2. According to different size products, it can change the machine type by change the whole set of frock.
- 3. The machine head and rotary hook can move on X-axis simultaneously, the machine is small size.
- 4. All operation can proceed automatically after manual intervention.

Application

Hemming for automotive panoramic skylight and sun visor.



Recommended

Max. working speed	1200 rpm / min
Computer control screen	15 inches
Power supply	3-phase 380±10%V, single phase 220±10%V 50Hz
Power	4kW
Machine size	1700*1180*1500mm (L*W*H)
Driven control	Richpeace self-developed electronic control, accompanied Siemens PLC control
Machine weight	350 KG

Richpeace Automatic Double Station Sewing Machine on Automotive Interiors



Features

- 1. Only need one person to operate, the frock can be tightened automatically.
- 2. The frock connected to the machine with locating pin and turn thumb clamping device, so it can be changed quickly.
- 3. Equipped with safety sensor protection device, so the personal safety can be protected well while working.
- 4. Richpeace self-developed eudipleural machine heads, they can ensure the precision and quality of sewing process.
- 5. Two sewing area A/B works alternately, shifts without machine stop. So the machine always runs at full load, the production efficiency doubled.
- 6. Richpeace self-developed high-precision fixture can make sure the exact position and fixation of the fabric, so the sewing quality is good.

Application

Hemming automotive panoramic skylight and sun visor.



Recommended

Max. working speed	1200 rpm / min
Machine heads number	2
Machine head distance	400mm
Computer control screen	15 inch
Power supply	3-phase 380±10%V, single phase 220±10%V 50Hz
Power	3.55 KW
Machine size	2500*2100*1450 ( L*W*H )
Driven control	four-axis servo control system

Richpeace Fuse Machine on Automotive

RPAS-2-600(900)-100(300)-WBHM



Features

- 1. The locating pin and 1/4 rotary knob can achieve the fast change of frock. Because of the tracking function, placing the frock is more convenient. The air jaws can compress the frock automatically.
- 2. Manually tighten the hot melt head's screw, so hotmelt head changes quickly for different products. And the cooling parts can protect the cylinder from high temperature.
- 3. The trough can open and close automatically by driven by the air cylinders.
- 4. Long cylinder drive can achieve automatically feeding and unloading function.

Application

Hot melting automotive panoramic skylight and sun visor.



Recommended

Configuration size	1000*1880*1547 ( L*W*H )
Worktable height	950mm
Computer control screen	7 inch
Power supply	3-phase 380±10%V, single phase 220±10%V 50Hz
Power	3.55 KW
Machine weight	800KG

Richpeace Oil And Preload Machine on Automotive



Features

- 1. Oil position and preload position two-in-one, so the machine occupies a small area and it's easy to operate. Save time, increase efficiency.
- 2. The parts can equipped automatically by the frock coordinate with the cylinder and motor.
- 3. The sensor can detect the taking and placing of each part, in case wrong operation.
- 4. Qualified and unqualified products will be separated by the motor or sensor detecting the spring preloading power.
- 5. Only by changes the two frocks fast, the machine can process all kinds products.

Application

Oiling and preloading automotive panoramic skylight and sun visor.



Recommended

Configuration size	1580*800*1800 ( L*W*H )
Computer control screen	15 inches
Power supply	3-phase 380±10%V, single phase 220±10%V 50Hz
Power	600 W
Machine weight	800 KG

## 2 Heating Wiring Stitching Used on Seats And Steering Wheel Solutions







Richpeace Computerized Wiring Stitching Machine On Automotive

RPCE-WS-01-900X800-B



Features

- 1. Cord precise wiring of different diameters can achieve a small radius arc transition.
- 2. Large spool device , significantly increases the amount of the spool assembly line , reduce down time.
- 3. Automatically wire feeding , wire feeding fault alarm and automatic shutdown.
- 4. Conductor wiring has a Norse alarm function, to ensure product quality.
- 5. Rope ( wire ) trimming function is optional, to achieve automatic rope ( wire ) trimming.
- 6. Double bobbin thread rotary hook, increase bobbin thread capacity, reduce time of changing hook.
- 7. X-axis fabric follow-up, to ensure the fabric is neat, protect the product.
- 8. Rolling the fabric both front and back automatically, work circularly.



Application

Heating the automotive seats, steering wheel, etc.



RPED-WS-4-1-680X680-B

Features

- 1. Cord precise wiring of different diameters can achieve a small radius arc transition.
- 2. Large spool device, significantly increases the amount of the spool assembly line, reduce downtime.
- 3. Automatic wire feeding, wire feeding fault alarm and automatic shutdown.
- 4. Conductor wiring has a Norse alarm function, to ensure product quality.
- 5. Rope (wire) trimming function is optional, to achieve automatic rope (wire) trimming.



Recommended

Machine model	RPCE-WS-01-900X800-B	RPCE-WS-02-900X800-B	RPCE-WS-04-900X800-B
Configuration size ( mm, L*W*H )	3600*2460*1780	5000*2460*1780	7700*2460*1780
Working speed	700r/min	700r/min	700r/min
Computer control screen	10.4 inch touch screen	10.4 inch touch screen	10.4 inch touch screen
Power supply	3-phase 380V, 3-phase 220V, single phase 220V	3-phase 380V, 3-phase 220V, single phase 220V	3-phase 380V, 3-phase 220V, single phase 220V
Power	5KW	6KW	6.5KW
Machine weight	1200KG	3600KG	4300KG

# 3 SRS Intelligent Cutting And Sewing Solutions







Richpeace Dedicated Spreading Machine For SRS

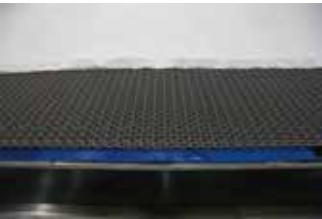


Features

- 1. Feeding with two fabric roll, they work circularly - another fabric go on to work after one fabric roll runs out. Reduce feeding time and increase work efficiency.
- 2. It can spread two different kind of fabric, double independent edge alignment function. It can switch freely between two spreading ways ( single-layer and double-layers ) in a working program, can memorize 100 working program.
- 3. The cutting knife uses bidirectional cutting function, reducing working time and increasing work efficiency.
- 4. Remaining fabric detection function, you can set the alarming percentage according your need, it alarms when reaches the percentage.
- 5. Cycle working time is 15s while spreading 8m fabric.

Application

SRS fabric.



Recommended

Occupied area	16×3.8m
Max. machine walking speed	120 m/min
Max. spreading length	8m
Spreading part driven mode	four-wheel drive
Cutting fabric speed	1.5 m/s
Max. Spreading height	40m
Fabric-roll width	2500mm
Max. height	1000 KG
Max. fabric-roll diameter	1000mm

Richpeace Dedicated Sewing Machine For SRS



Features

- 1. Free to design any pattern, super large area sewing.
- 2. The worktable uses unique support beam structure, guarantee the template and fabric are neat and accurate while machine are in a high speed. The front and back of the worktable are equipped with troughs for receiving and placing materials.
- 3. Pneumatic trimming, stable and efficient.
- 4. Servo motor + high precision ball screw driven, make sure accurate sewing.
- 5. Needle and shuttle are driven independently, to achieve automatic shuttle and automatic position correction function.
- 6. Richpeace sewing electronic control system, ARM kernel + LINUS system.

Application

Automatically sewing SRS.



Recommended

Max. working speed	1800 rpm/min
Stitch length	0.5mm - 12.7mm
Sewing head lift	150mm
Max. stored stitch	2,000,000
Power supply	3-phase 380±10%V, single phase 220±10%V ,50Hz
Power	5.2 KW
Machine size	8125*2000*1600 ( L*W*H )
Air supply	0.6 Mpa, 1.7 L/min

# 4 Automotive Interior Intelligent Cutting And Sewing Solutions







Richpeace Automatic Spreading Machine

RPCP-1018-IV-N



Features

- 1. It can adjust the selvage alignment by high sensitivity sensor and the cloth clamp.
- 2. Detachable tubular spreading device and folding platform, combined function enable laying of fabric in different format (optional).
- 3. Side loader and inch movement function make it easier to operate.
- 4. Suitable to spread various knitted and woven fabric without tension. Add anti static electric device, effectively improve the safe usage (optional).
- 5. Check original start point automatically when machine is switched on.



Application

Leather, PVC.

Richpeace 1cm Mega-size Multi Layers Automatic Cutting Machine

RPC-180X200-M1



Features

- 1. Cutting blade is made of diamond hardness stainless steel, equipped with automatic sharpening device.
- 2. Cutting blade change cutting speed automatically, automatic side cut compensation, ensure quality of final markers.
- 3. The automatic sharpening device performs blade sharpening automatically, keeps cutting blade always in sharp condition, extends working life of cutting blade.
- 4. The cutting head with cutting blade is specially designed, made by extraordinary stainless steel, automatic Cleaning System.
- 5. Full protection shield system, can be manually emergency stopped anytime.
- 6. Segment adsorption and cutting, realize tailoring, pick up materials, materials with simultaneously, no cutting blind angle, there will be no cutting phenomenon.
- 7. Meet the requirements of personalized clothing production, the compatibility with any clothing CAD software, high precision, long service life.



Application

Cutting the leather in automotive interior.

Richpeace Three-in-one Computerized Cutting Machine

RP-TM1518S-MJ,MF,KC,RK,VK



Features

- 1. The only one company in the country HP certified partners.
- 2. The cutting thickness less than 1cm cutting machine but more than laser cutting machine, suitable for high-end custom.
- 3. 3 kinds of working pattern: ink jetting, pen drawing and 3 different kinds of knife cutting.
- 4. Ink jetting, pen drawing and 3 different kinds of knife cutting can switch freely, so it can cut many kinds of material: kraft paper, non-woven fabrics, rubber materials, knitted fabrics with sponge, felt, corrugated paper, leather, gray cardboard inkjetting, knitted fabric.

Richpeace Single Head Automatic Sewing Machine

RPAS-HM-1-900X600-A-2-LH



Features

- 1. Working speed: 500-1200 rpm.
- 2. Suitable for thick material sewing, stable stitch quality.
- 3. Strong machine structure, guarantee pattern precision.
- 4. Sewing head lift up to 50mm.
- 5. Open type pneumatic clamping system, driven by air cylinders.
- 6. Adopt powerful motor, ensure sewing smoothly on thick and heavy material.
- 7. Equipped with Jumbo / triple size rotary hook for thicker thread sewing, less frequency of bobbin change, improve productivity.
- 8. Four design patterns circulate function, bobbin thread counter function.

Application

Automatically sewing automotive interior and seats, etc.

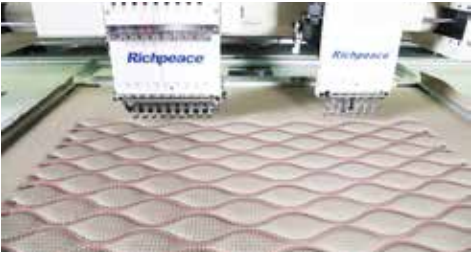


### Richpeace Computerized Perforation and Sewing Machine

RPAS-HM-1-900X600-A-2-LH

#### Features

- 1. Working area : 750×600mm; 6 punching models and 9 colors sewing.
- 2. It can both punch and sew.
- 3. Both servo motor for main shaft and frame driving.
- 4. Independent research intelligent punching and sewing software.
- 5. Bridge type structure is more stable.
- 6. Punching system : independent main shaft and color changing.
- 7. Sewing and embroidery: independent main shaft and color changing.
- 8. Many different kinds of exclusive punching presser foot and exclusive sewing presser foot.
- 9. Automatic oiling system.



#### Application

Punching and sewing automotive interior and car seats, etc.

### Richpeace Automatic Sewing Machine with Cutting Station

RPAS-DS-1-900X600-AB-2-LM, LH

#### Features

- 1. Sewing speed: 2500 rpm. Cutting speed: 2500 rpm.
- 2. Independent working station for sewing and cutting.
- 3. 360 degree turning cutting knife, able to cut any patterns.
- 4. Knife could be lift up and down, cutting blade is not going out of fabric to ensure neat cutting edges.
- 5. Automatic atomizing lubrication for sewing head hook axis and rotary hook.
- 6. Bobbin thread counter enable to provide bobbin thread capacity alert by bobbin thread consumption or number of sewing pieces made.
- 7. Four design patterns circulate function: support four patterns to be automatic switchable.
- 8. Sewing head can lift up to 50mm.



#### Application

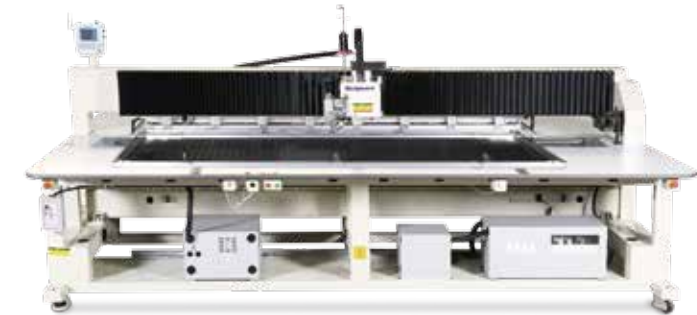
Auto sewing + auto cutting, mainly used for can sun sunroof shade.

### Richpeace Automatic Non-stop Sewing Machine

RPAS-NS-1-1200X800-B-2-LH,HM

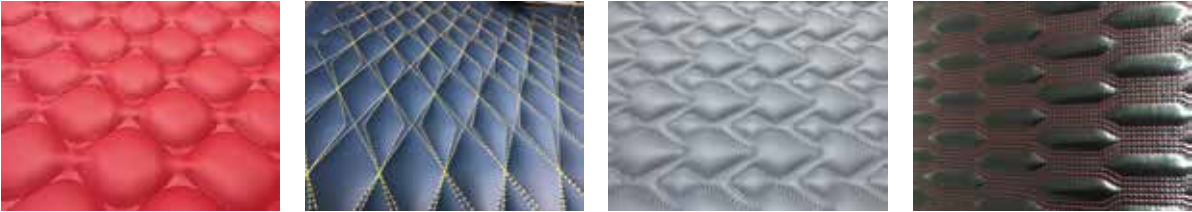
#### Features

- 1. Working speed: 2500 rpm.
- 2. Sewing head independently liftable up to 50mm.
- 3. Sewing head and Hook case move on X-axis with ball screw drive, ensure high precision, stable and reliable.
- 4. Two independent working area A/B shift without machine stop or joint A & B working area together being a super large sewing area.
- 5. Able to be equipped with down-proof mechanism, avoid down leakage during sewing.
- 6. Large storage capacity, save 2 million stitches.
- 7. Bobbin thread counter enable to provide bobbin thread capacity alert by bobbin thread consumption or number of sewing pieces made.
- 8. Four design patterns circulate function: support four patterns to be automatic switchable.



#### Application

Automatic sewing automotive interior, automotive seats, etc.



#### Recommended

Model	RPAS-NS-1-900X600-B-2-LH,HM	RPAS-NS-1-900X750-B-2-LH,HM	RPAS-NS-1-1200X800-B-2-LH,HM
Working area	900*600mm	900*750mm	1200*800mm
Stitch length	0.5-12.7	0.5-12.7	0.5-12.7
Max. stitch storage capacity	2 , 000 , 000	2 , 000 , 000	2 , 000 , 000
Trimming device	Pneumatic trimming	Pneumatic trimming	Pneumatic trimming
Rotary hook	Double	Double	Double
Motor	Servo motor	Servo motor	Servo motor
Power supply	3-phase 380V	3-phase 380V	3-phase 380V
Air pressure	0.6Mpa, 1.7L/min	0.6Mpa, 1.7L/min	0.6Mpa, 1.7L/min



# 5 Automotive Interior Computerized Embroidery Solutions





Richpeace Computerized Precision Flat Embroidery Machine

RPCE-FN-6·9-275(550+40) X 680-B



Features

- 1. 906 series with elegant and compact machine structure, engaged in small working area but with good stability.
- 2. Large torsion, high frequency & precision performance Servo Motor which is well coordinated with Richpeace computer control system.
- 3. All bearings are equipped with NSK or other Japanese made brands.
- 4. Machine table is made by Lauan wood with highest quality and good abrasability.
- 5. Additional device, such as sequin device, laser cutting device, tracing cording device and so on, can be added to increase the cost-effective.



Application

Embroidery on automotive interior, LOGO, etc.



RPCE-FN-12·9-275(550+40)X680-B



RPCE-FN-20·9-330(660) X1000-B

25-26

Recommended

Type	Flat embroidery machine
Specification	1-20 heads
Computer control screen	5 inch keypad screen or 10.4 inch LCD tough screen
Main shaft driven	Servo motor
Embroidery frame driven	Servo motor
Min. Head distance	6 needles, 160mm; 9 needles, 200mm; 12 needles, 330mm
Max. working speed	1000 rpm
Trimming	Driven by motor