

Pressure Retaining Machine Category

Company Profile

Shenzhen Jiemai Precision Automation Co., Ltd. was formed from 2003. It is a service provider integrating research and development, manufacturing, and sales on customized machine of pulse soldering & hot pressing, hot melting, normal pressing, and bonding for 3C electronic products such as Bluetooth headsets, cell phones, smart watches, tablets and so on.

After nearly 20 years of development, the company has cultivated a group of experienced and innovative senior engineers, and has a pre-sales, in-sales, and after-sales service team with excellent business quality, willing to provide you with Professional technology consultation, technical support, training, and other services.

Shenzhen Jiemai Precision Automation Co., Ltd. always adheres to the product concept of high reliability, high quality, and high performance, and continues to reduce costs and improve production quality and efficiency for customers!

Pressure Retaining Machine Introduction

The pressure maintaining equipment drives the pressure maintaining head through a cylinder to maintain the pressure of the product that needs to be maintained. The equipment adjusts the output pressure of the pressure maintaining head from time to time through a pressure sensor based on the pressure gauge, in order to achieve the pressure maintaining effect of the product. Automatic adjustment takes short time, maintains stable pressure, has high production efficiency, is conducive to mass production, provides stable and reliable testing data,

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and facilitates equipment operation.




It is mainly used to stick foam on a product and maintain the pressure for 30 seconds at the same time. The working principle of the equipment is to manually put the product into the positioning mold. After the bottom cylinder is clamped and positioned, the upper cover is pressed and maintained for 30 seconds. Alternate, working, two products for 30 seconds, about one for 15 seconds. Automatic picking, automatic stacking, automatic pressure maintaining, automatic mold removal, automatic panel glass removal, automatic empty mold return, controlled/inspected by PCL, automatic accident alarm display, simple and intuitive.

Production process introduction:

- 1) Mobile phone panel plastic frame surface plasma treatment
- 2) Automatic dispensing of plastic frame
- 3) The plastic frame is glued to the glass
- 4) Put in the pressure holding mold
- 5) Put the mold into the automatic pressure holding line
- 6) The assembly line has automatic pressure preservation/automatic mold removal/automatic product taking
- 7) The empty mold will be automatically returned to the dispensing console

Description	M-162 Double Station Press Retaining machine	M-163 Laptop Touch Pad Press Retaining Machine
Photo		
Use for	Suitable for laptop LCD A.B shell electromagnetic pressure preservation	Suitable for laptop touch pad assembly and pressure protection
Size (L*W*H)	1030*1100*1700	1010*1050*1750
Weight (kg)	Approx. 300kg	Approx. 300kg
Pressure Retaining Head Material	Aluminum (Chemistry)	Pak Sai Steel
Pressure maintaining head specifications	Customized special pressure head	Customized special pressure head
Product Fixture	Customized fixtures	Customized fixtures
Hot press head leveling	≤50um	≤50um
Hot press head operating mode	Cylinder	Electric cylinder
Hot press head leveling Adjustment method	Screws between two components Mutual fixing, screw fixing adjustment	Screws between two components Mutual fixing, screw fixing adjustment
Number of holding heads	2	1
Product Workbench	Specialized fixture fixing	Specialized fixture fixing
How the platform works	Front and rear access	Front and rear access
Platform Driven Approach	Servo motor	Servo motor
Mold Materials	Aluminum (chemistry)	Aluminum (chemistry)
Pressure sensor range	0 - 500kg	0 - 200kg
working environment	-20 - 80° C	-20 - 80° C
Service life	More than 1,000,000 times	More than 1,000,000 times at

	at full scale	full scale
Pressure control	Precision Regulators	Precision Regulators
Pressure indication	Digital barometer in Mpa	Touch screen display real time pressure/kg
Pressure setting range	0 - 300 kg	0 - 200 kg
Working pressure range (measured)	2 - 300 Kg	2 - 200 Kg
Holding time range	1 - 99 S	1 - 99 S
Safety encoder	Yes	Yes
Equipment fault self-test function	Yes	Yes
Two-hand start function	Yes	Yes
Buzzers	Yes	Yes
Anti-dumping measures	Yes	Yes
Work Indicator Light	Yes	Yes
Leakage protection function	Yes	Yes
No voltage to equipment Pressure head does not depress when supplying	Yes	Yes
Pressure parameter alarm function	Yes	Yes
No production of equipment Parameter alarm function	Yes	Yes
Emergency stop switch	Yes	Yes

descriptive	M-164 Single Track On-Line Pressure Retaining Machine	M-164 Double Track On-line Pressure Retaining Machine	M-528C Automatic Hot Cold Press Retaining Machine
photograph			
Use for	Suitable for various types of 3c digital products with adhesive backing and pressure retention	Suitable for various types of 3c digital products with adhesive backing and pressure retention	Used for pressing the middle frame and battery back cover of mobile phone TP
Size	Left and right 600* Before and after 1000* Up and down *2000	Left and right 600* Before and after 1000* Up and down *2000	L*W*H 1200*1450*1800(excluding assembly line)
Weight (kg)	Approx. 200kg	Approx. 200kg	Approx. 1600kg
Pressure Retaining Head Material	Urethane	Urethane	Anti-static silicone
Holding head specifications	Customized special indenter	Customized special indenter	Customized special indenter
Product Fixture	Customized fixtures	Customized fixtures	Customized fixtures
Holding pressure level	≤50um	≤50um	≤50um
Pressure maintaining head operation mode	cylinder (engine)	cylinder (engine)	Anti-static Urethane
Number of holding heads	Based on customer product requirements	Based on customer product requirements	Number of hot holding heads 4 Number of cold holding heads 4
Platform Driven Approach	Cylinder (engine)	Cylinder (engine)	Stationary
Mold Materials	Aluminum (chemistry)	Aluminum (chemistry)	Antistatic Bakelite
Pressure sensor	0 - 10kg	0 - 10kg	0 - 10kg
Working environment	-20 - 80° C	-20 - 80° C	-20 - 80° C
Service life	More than 1,000,000 times at full scale	More than 1,000,000 times at full scale	More than 1,000,000 times at full scale

Line spacing	50 to 250 mm	50 to 250 mm	50 to 250 mm
Pressurized loading and unloading method	-	-	Robotic automatic handling
Flow line initial positioning method	-	-	Mechanical positioning of bilateral cylinders
Equipment calibration Platform Positioning Approach	-	-	Mechanical positioning of four side cylinders
Clamp with material sensing method	-	-	Optical sensors
Equipment loading and unloading method	-	-	Flow line, robotic automatic handling
Thermocouple Model	K type	K type	K type
Pressure control	Precision Regulators	Precision Regulators	Precision Regulators
Pressure indication	Touch screen display of real-time pressure/kg	Touch screen display of real-time pressure/kg	Touch screen display real-time pressure/kg
Pressure setting range	0 - 10 kg	0 - 10 kg	0 - 10 kg
Working Pressure Range (actual measurement)	1 - 10 Kg	1 - 10 Kg	1 - 10 Kg
Time scale	1 - 99 S	1 - 99 S	1 - 99 S
Pressure sensor working ring Environment	-20 - 80° C	-20 - 80° C	-20 - 80° C

Is there any product in place in the fixture	Touch screen display	Touch screen display	Touch screen display
When there is no voltage supply to the equipment	Yes	Yes	Yes
Pressure parameter alarm function	Yes	Yes	Yes
No production parameters reported for equipment	Yes	Yes	Yes
Emergency stop switch	Yes	Yes	Yes
Pause button	Yes	Yes	Yes
With or without product testing	Yes	Yes	Yes
Pressure transducer life expectancy	More than 1,000,000 times at full scale	More than 1,000,000 times at full scale	More than 1,000,000 times at full scale
Equipment fault self-test function	Yes	Yes	Yes
Buzzer	Yes	Yes	Yes
Anti-dumping measures	Yes	Yes	Yes
Work Indicator Light	Yes	Yes	Yes
Leakage protection function	Yes	Yes	Yes