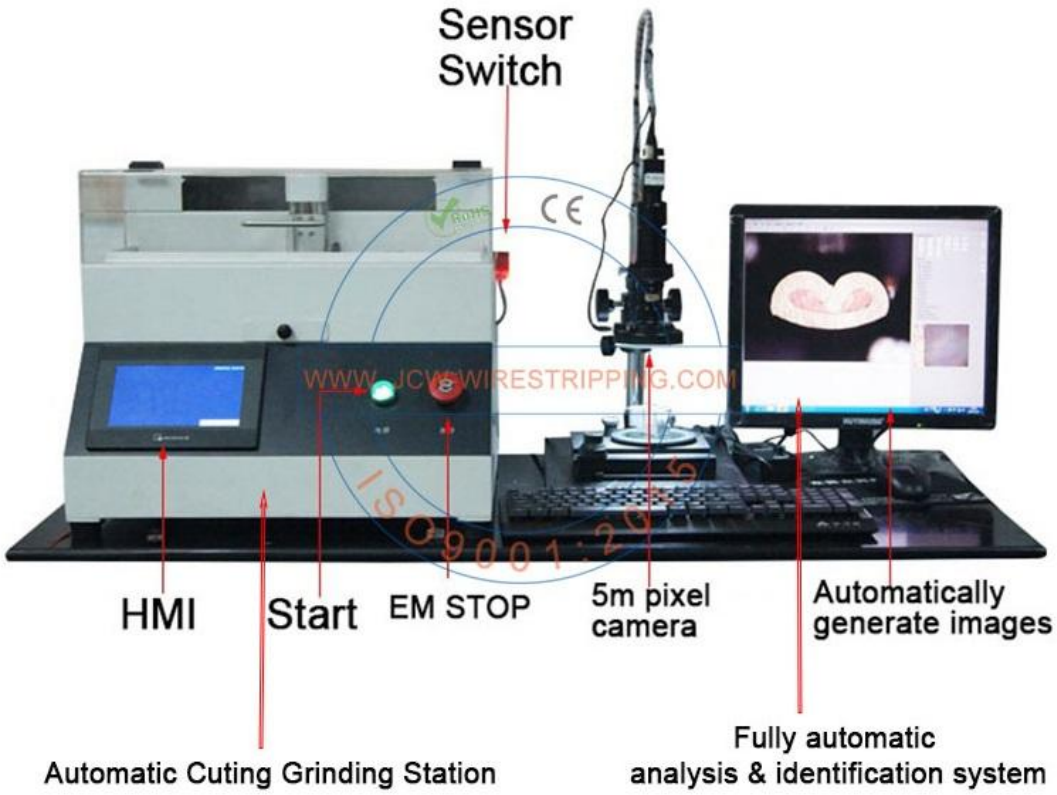


Feature

Infrared automatic cutter setting

Automatic calculation of compression ratio

Cutting & grinding and terminal section analysis can be performed simultaneously

Card slot design, one key to automatically complete sample preparation

Precise positioning, 360° adjustable position

Sealed shell, all-round protection of the instrument

Perfect combination of optical imaging and electronic analysis

Simple, convenient, safe and easy to use

One-piece design is easy to carry and transport

Low power cutting and grinding cold light source lamp saves electricity

High-definition gigabit network card interface camera can capture in real time

The software can automatically calculate and judge whether it is qualified

The automatic terminal cross-section analyzer is a precision detection and analysis equipment specially developed for the quality inspection of the wire harness industry. The whole wire harness cross-section analyzer system consists of terminal cutting and grinding integrated equipment, optical sampling, corrosion cleaning, cross-section image acquisition system, and wire harness terminal pictures Measurement analysis and other system components, using cutting and grinding integrated equipment, the latest patented technology, cutting and grinding can be completed at one time, which fully guarantees the flatness requirements of the terminal. The original cutting and grinding split machine equipment used by our company has been updated (removing the jig after cutting and putting it in the grinding equipment for grinding does not guarantee the flatness of the terminal and cannot accurately determine the grinding accuracy). The complete detection system can complete the processing and analysis of a terminal within 5 minutes, which greatly improves the speed of terminal section quality inspection. The operation is simple, convenient and fast, and the high-definition image acquisition system and accurate measurement and analysis are used to escort your production.

1. Terminal cutting and grinding table integrated with wire harness cross-section analyzer: After the terminal is clamped by a special clamp, the cutting disc and grinding disc are independently controlled (using dual motors), and the X-axis and Z-axis drive use the highest standard in the current market Japan Misumi ball screw

and Misumi ultra-high-precision slide rail transmission, X-axis and Y-axis control are controlled by Japanese Panasonic servo motors, which fully surpass the manual rotation of the handwheel to control the stroke. It can accurately control the height of the grinding terminal for customers. The time required for terminal cutting and grinding and polishing is 1 to 2 minutes. Even ultra-thin wires over AWG38 can be clearly displayed. Using the newly developed special software for section evaluation, it can measure terminal height, width, aspect ratio, terminal crimping area, wire harness crimping area, compression ratio, burr height, width, burr rate, distance between crimping wings, and bottom Interval distance, porosity and other items are now the highest standard in the market, completely surpassing industry standards such as automobiles, home appliances, railway track trains, and IT. It can instantly export reports and automatically judge whether all items are qualified. The measurement accuracy at the maximum magnification is 2 ~ 3μm.

According to the international wire harness industry standard software, the compression ratio is automatically calculated and the qualification is automatically judged.

The system has more than a dozen international standard automatic detection items (including authoritative technologies such as automobile industry, home appliance industry, electronics industry, etc.)

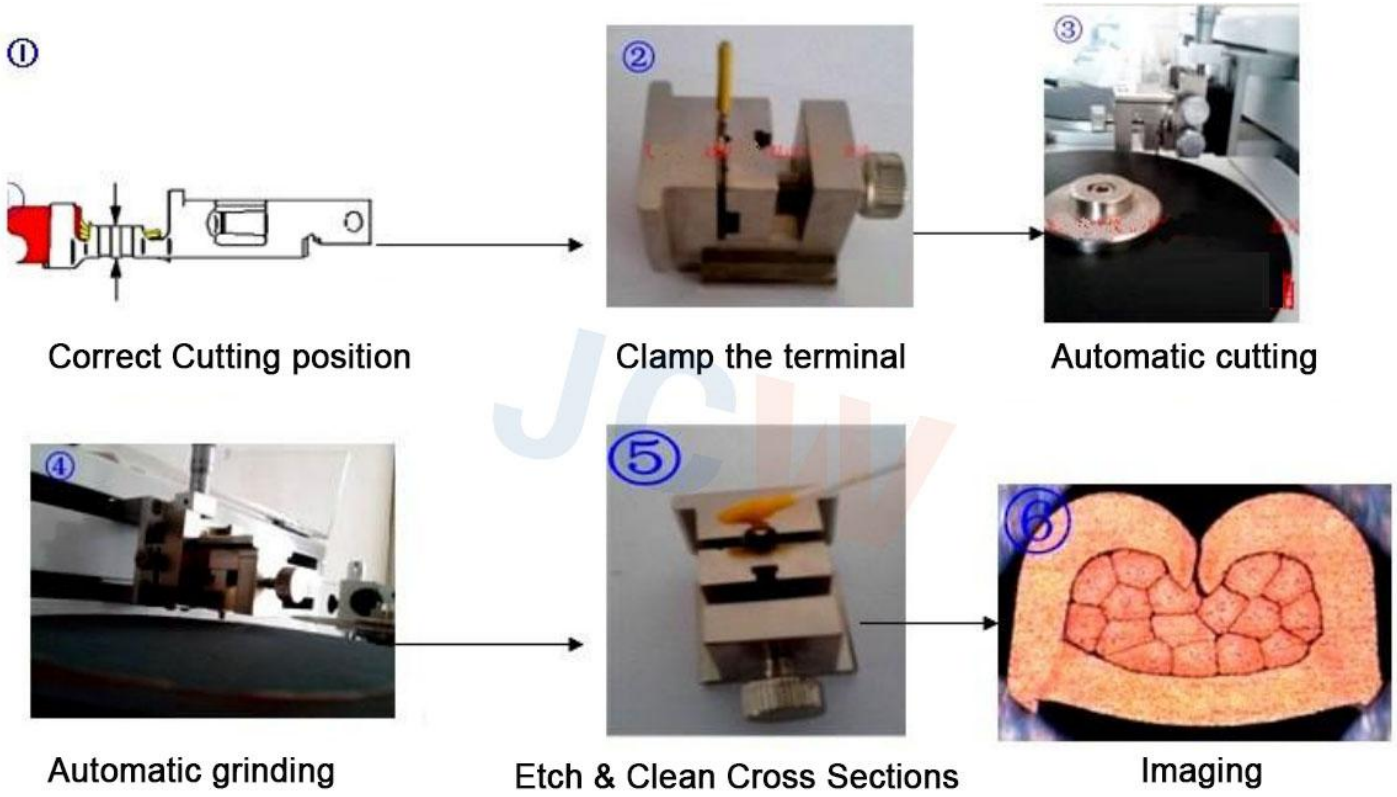
Indicators, automatic analysis of various standards, can automatically detect

Test whether the data of the terminal is qualified, without manual modification。

TECH DATA

	MODEL	JCW-QC35	
Cutter	RPM	2500	
	Wire range	0.1 - 50 mm²	
	Cutting speed	1.6mm/sec	
	Disc inner diameter	32mm	
	Disc outer diameter	150mm	
	Disc thickness	0.5mm	
Grinder	RPM	2500	
	Disc diameter	150mm	
	Disc thickness	10mm	
Erosion	Erosion time	5-30min	
Main body	Touch screen		
	Y-axis stepper motor	42 step angle 1.8 degrees	
	Z-axis stepper motor	42 step angle 1.8 degrees	
	Infrared cutting position	Infrared cutter setting	
	Power supply	220V/50HZ	
	Magnification	26X~260X	Multipliable
	Optical lens	0.7~4.5X	Pumis high-end stop motion lens
	Video total magnification	16~260X	
	Accuracy	0.004mm	
	Terminal range	0.3mm2-50mm2	
	Illumination	Adjustable LED Ring Cold Light Source	
	Imaging system	5 million gigabit network 1/2 "professional CCD high-definition imaging system	
	Dimensions	L 500 X W 500 x H 450mm	
	Weight	45KG	
	Color	White	
Consumable	Corrosive liquid	1 x 250ML	
	Sand paper	10 pcs	
	Special cotton swab	5 packs	
	Cutter disk	3 pcs	
Operation	Cycle time	2 - 5 minutes	
	Cutting	Automatic	
	Grinding	Automatic	
	Imaging	Automatic	

Operation

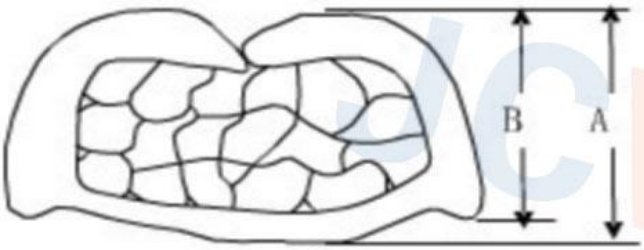


1. After cutting and grinding, use a special cotton swab to take a small amount of analytical liquid to treat the surface of the sample

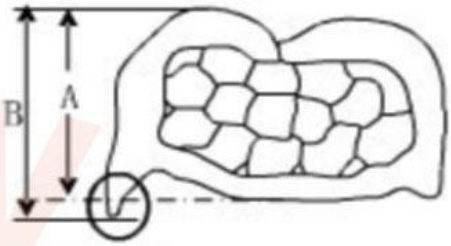
2. 2. The corrosion analysis liquid does not contain corrosive acid substances, it is environmentally friendly, odorless, non-toxic and conforms to the environmental protection system

3.C/H, C/W, C/R, wall thickness, burr width, burr height, compression ratio, gap ratio, wire core and angle measurement, one-button test.

Crimping Burr

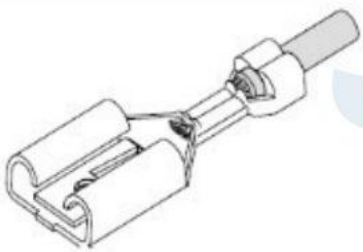


Qualified product
1. Symmetrical on both sides
2. B < A

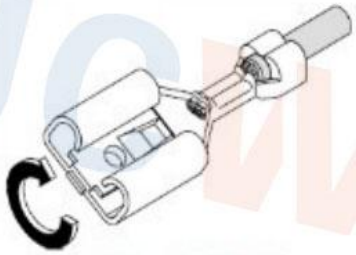


Defective product
1. Asymmetricalon both sides
2. B > A

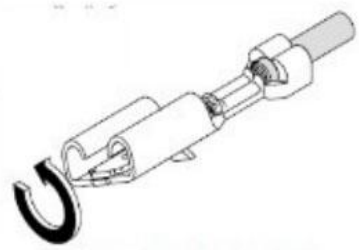
Deform



Qualified product



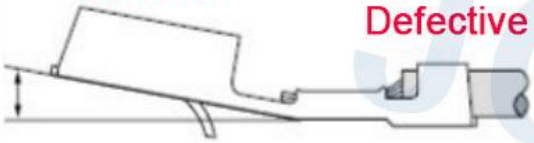
Clockwise deform



Counterclockwise deform

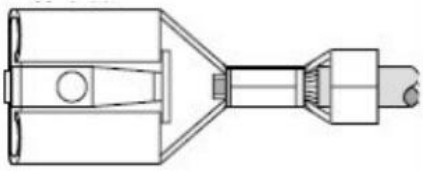
Qualified product

Upward Defective

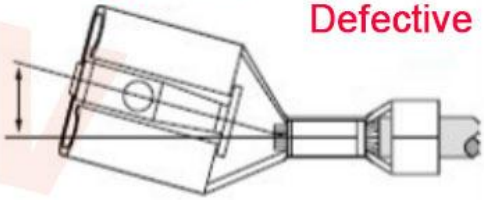


Downward Defective

Qualified product



Rightward Defective



Leftward Defective