UPKTECH TECHNOLOGY LIMITED

Address: Room 207, Building 2, No. 5, 8th Road, Shapu Yangyong Industrial Zone, Songgang,
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UPKTECH RS-100N Sing Table Visual Board Cutting Machine

I.Description

A fully automatic splitter is a device used to split PCBs and is usually used on production lines. It can automatically cut and divide large PCBs into small PCBs of the required size, improving production efficiency and reducing labor costs.
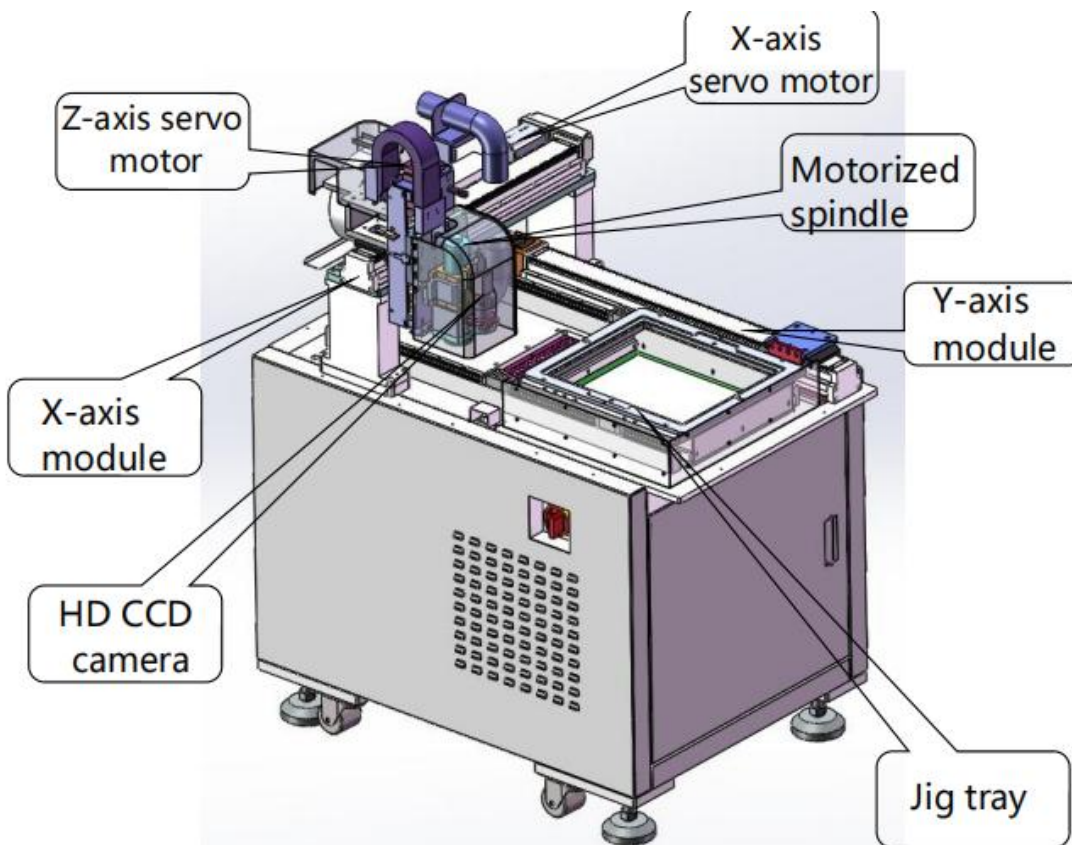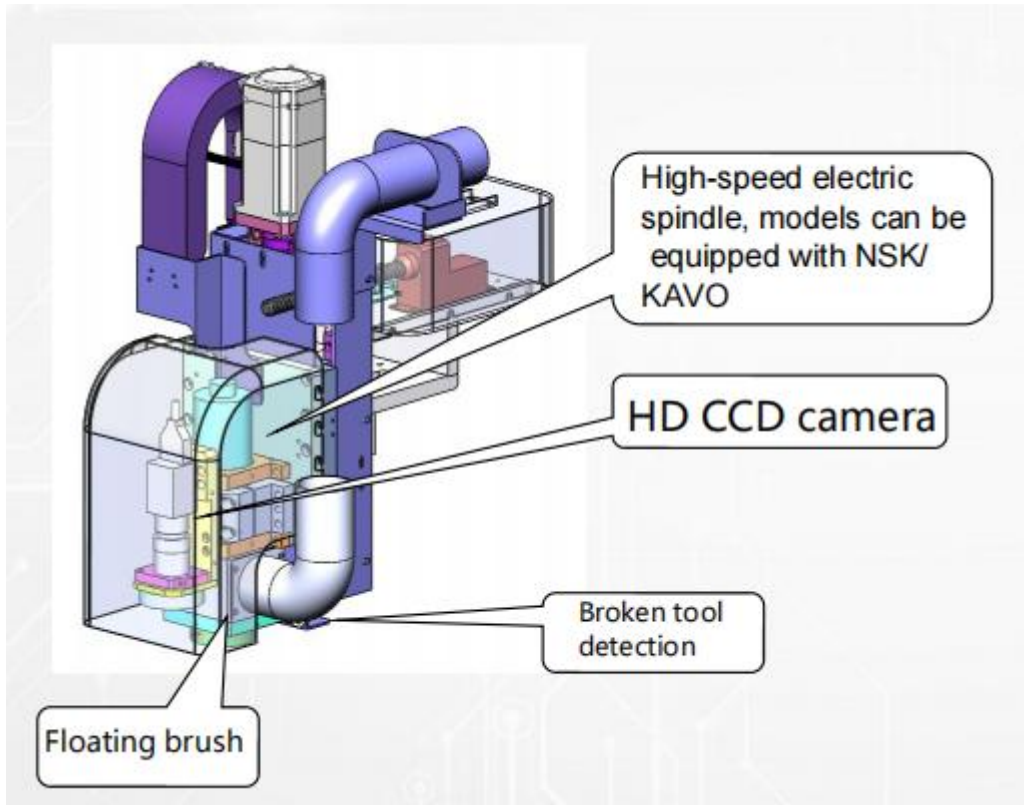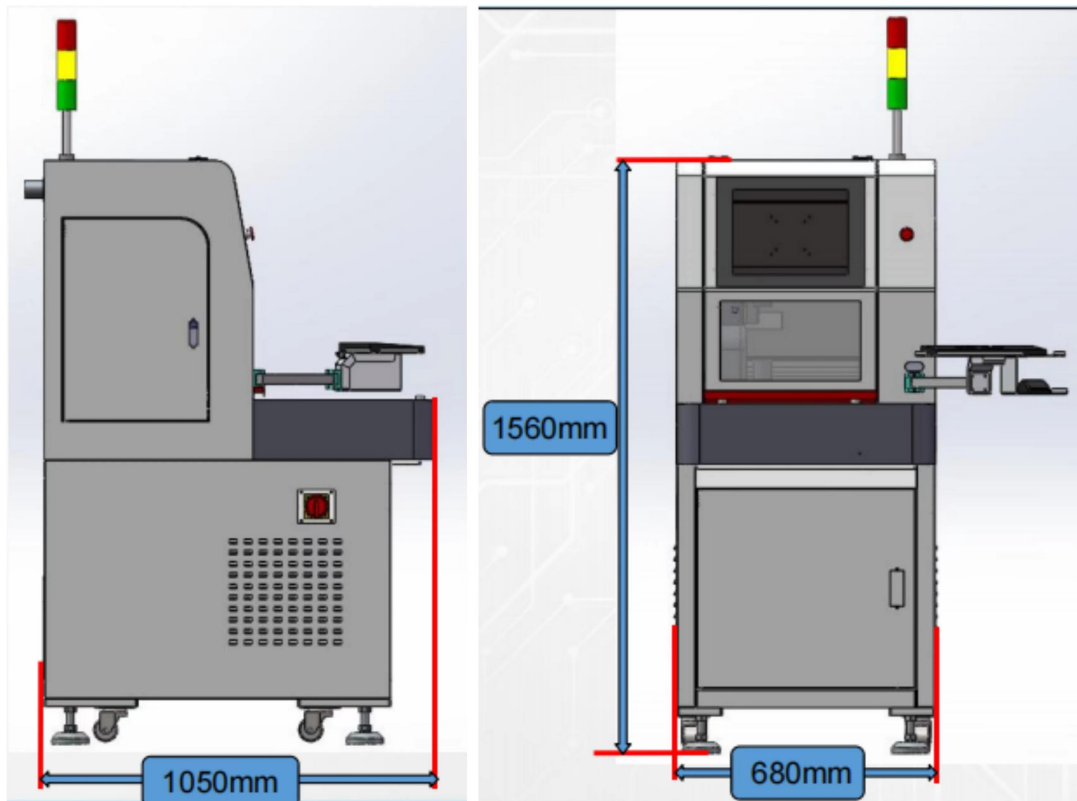
II.Equipment parameter

Equipment size	W680*D1050*H1450
Milling cutter replacement method	Manual/automatic tool change (optional)
Effective panel size	X350*Y380mm
Cutting speed	1-100mmls adjustable
Worktop	single-platform
Operation interface	Window operation interface Windows 10
Machine Repeatability	±0.01mm
Programmed teaching method	Color CCD image visual teaching input
Cutting accuracy	±0.05mm
Program backup	One-click restore
Maximum movement speed	XY:1000mm/s、Z:300mm/s
XYZ drive method	AC servo
Maximum moving range	X:385 Y:510 Z:100mm
Vacuum cleaner power	Suction up 4-6p, suction down 3-5p
Spindle speed	MAX.60000RPM adjustable

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1. The equipment adopts a precision electric spindle. The NSK spindle speed can reach 60,000 rpm; the KAVO spindle speed can reach 80,000 rpm.

2. The Z-axis structure adopts automatic adjustment of camera height, so that products of different heights and different imaging heights can be used universally. At the same time, the Z-axis is equipped with a floating brush structure, and a lifting brush is used to take into account the depth of the knife. Reduce brush gaps.

3. Rich exterior structure interfaces. Can be equipped with broken knife detection, ion air gun, height detection, coaxial light source, floating brush, etc.

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High-speed electric spindle, models can be equipped with NSK/ KAVO

HD CCD camera

Broken tool detection

Floating brush

X-axis servo motor

Z-axis servo motor

Motorized spindle

Y-axis module

X-axis module

HD CCD camera

Jig tray

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FAQ:

Q: How to solve the problem of forward and backward movement of the left and right boards?

A: The driver is faulty and damaged; the driver control line is broken or detached.

Q: The software crashes when opening the initialization interface.

A: Check the position of the X/Y/Z origin sensor or whether it is damaged.

Q: The spindle does not rotate.

A: Check the power supply of the controller; turn the spindle gently by hand. If there is obvious resistance, the spindle is faulty; check whether the inverter is faulty or replace it with the same model.

Q: There is no image in the image area.

A: Check in the device manager. If there is a problem, please reinstall the driver; check whether there

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is an open circuit in the line; check whether the image channel hardware and software are both CH4.

Q: There is abnormal sound or vibration when the axis moves at high speed

A: Check in detail whether the screws at the joints of the faulty shaft are firm; the judgment can be made when the motor is under no load.