SEIKA SANGYO

SAYAKA

SAM-CT23S

New Release

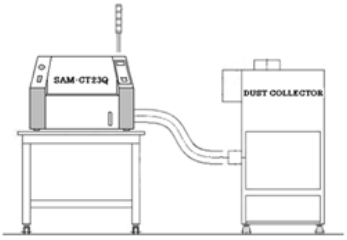
CE

Super-compact/ high-performance De-panelling machine
Easy programming by CCD camera/ Traceability function

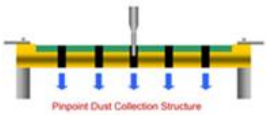
	SAM-CT23S
PCB Size(Max.)	250×350 ㎜
PCB Thickness	0.4-2.0 ㎜
PCB Material(Resin)	FR4,CEM1,CEM3 etc…
Router bit Diameter	Φ8.0～Φ3.0
Cutting Speed(Max.)	50 ㎜/sec
Moving Speed(Max.)	500 ㎜/sec
Repeat Accuracy	±0.02 ㎜
Z Axis Stroke(Max.)	40 ㎜
Router Depth setting	STD Auto 5 stage
Spindle Spec.	25,000～50,000rpm
X,Y,Z Axes Control	XYZ stepping motor/ servo control
Power Voltage	φ1 AC100V 50/60Hz～AC240V 50/60Hz
Power Consumption	Approx.1.2KVA (incl. dust collector)
Pneumatic Pressure	-
Air Consumption	-
Weight for Main Unit	Approx.85kg
Outer Dimension W×D×H(mm)	W800×D700×H510mm

1 Simple layout keep cost down.

2 Compact desktop design is perfect for cell production.



3 Dust Collection from underside of cutting JIG, thus minimized adhesion of dust.



4 Cutting Jig Can be Compatible with Upward Class NJ Series Machines.

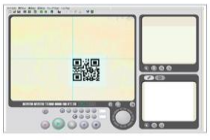
5 Create and edit cutting data based on DXF data. Start up the Teaching application PCB-EDIT2 on the PC and then just click somewhere you want to cut on the screen.(PCB-EDIT2).

*** Easy programming by CCD camera

*** By CAD (DXF)

*** easy programming by CCD camera or by using CAD (DXF) data.

6 Camera can read QR code(2 dimension code) auto select cutting program.



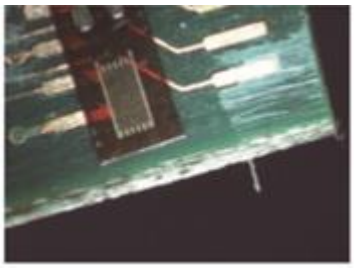
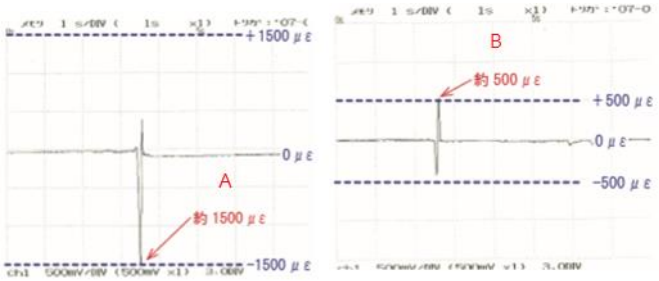
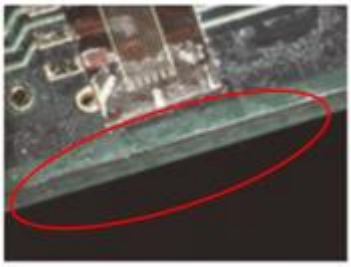
The key features of Sayaka router 23S

1. Super-compact and Cost-effective Router Machine

Sayaka router machine doesn't occupy much space, if you don't have much working space, It will fit to your working space. There is no such a compact de-panelling machine which has a camera function for SMT industry.

2. Smooth cut surface

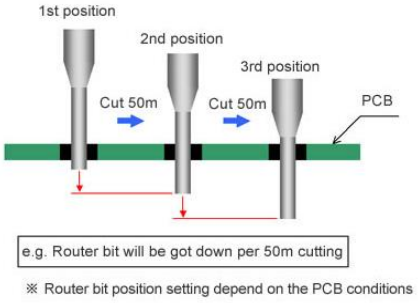
The surface of PCB will be cut very smooth by 23S and minimize the stress on PCB.
Finally it leads to the high-quality of your product as well.
After you use it at your workplace, you will realize the good performance of 23S.
Sayaka has been manufacturing de-panelling machine for 26 years in SMT field, and through the long-term experience, Sayaka can offer you high-quality router machine.
The cut surface is more accurate than other competitors.
In case you cut the PCB by hand, the cut part will be distorted due to human operation.
And you don't need to worry about the human error, labor accident by using Sayaka router machine and 23S will enable you to save the time, compared with operator.

Cutting method	Enlarged image of cutting part	measurement result
V notch roller cutter		 the distance from v-notch to sensor (A) 3mm (B) 4mm *** there is a risk that chip parts will be cracked at the time of cutting by v notch roller cutter.
Sayaka router machine		 The distance from cut point to sensor:3mm *** The cut surface is not distorted after cutting, compared with V notch roller cutter. (safety cut without any distortion)

3. Japan Hight-quality/ Low maintenance

Sayaka router machine is built toughly. Even after many years of use, customer doesn't need to replace the parts periodically. It has a strong durability.

Moreover, the height of router bit can be changed automatically into 5 phases, it enables router bit to be used for quite long time.



4. Easy Programming by CCD camera or CAD (DXF) data

CCD camera captures an image of the PCB and easy programming of cutting paths is achieved by simple Point-and-Click Windows-based preparation on the computer screen. And the operator can also make a program by using CAD (DXF) data easily.

Time is saved and programming is simplified by this software.

The cutting accuracy will be improved more by the way the position-correction of PCB will be done by Image processing.

CCD Camera reads QR code, and cutting-program will be selected for each PCB automatically.

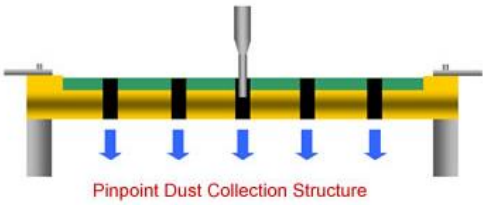
It enables customer to eliminate the human error such as misplacement of PCB and it will bring you high-productivity.

5. Traceability function

23S can store the data such as cutting date, product name, bit position, inside data of QR code or data matrix. And 23S will trace the data by reading QR code or data matrix.

6. Pinpoint dust collection leads to good quality of your final product

Dust collection from underside of cutting fixture, it minimizes adhesion of dust on the PCB.
Our customer is really satisfied with this point and it will lead to the good quality of your product as well, we believe. You don't need to place blower to clean up the dust adhered on the surface of PCB,
it means 1 process of blower in the manufacturing line will become unnecessary.
Finally you can save cost and space by reducing blowing process.



Dear Customer,
Do you have any problem about cutting PCB?
Please take a look at your workplace again, there might be a chance to improve the productivity.
Your decision might reduce the trouble at your factory, and finally it will bring you the benefits.

If you are interested in it, please feel free to ask us for a quotation.

We assist you with your step into the future of manufacturing!

Please contact us for more information.

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