

HIT 520 SERIES - BEST PLATFORM SCREEN PRINTERS

 **InterElectronic**

 **HIT**



INTRODUCTION



InterElectronic Hungary Ltd. offers equipments, machines and different materials (ESD) of different production technologies (SMT/THT/LED). Including high quality, special request fulfilling soldering machines, devices, tools, instruments and materials for the electronic industry and services.

SERVICES

Our each and every product has a warranty granted by the InterElectronic Hungary Ltd. For more complex appliances our company offers a well-needed training for set up and usage. We grant the repair of all of the products traded by our company during and after the warranty period. As well as we guarantee the continuous supply of accessories and instruments.

DEMONSTRATON

In case if any of our products aroused your interest the InterElectronic Hungary Ltd. would be glad to visit your company and hold a presentation of the product of your interest. As far as possible we serve you by bringing demo devices with us. In the most cases of our products we are proud possessors of references nation-wide. Major machines also could be observed at our partners' site.

PRICE LIST

Most of the prices of our products can be requested on our website and will be sent via email to you. In case of special and more complex machines the prices are given after consultation individually through a price offer. If you are interested in more information or user manuals of our products we recommend you to visit our website (www.interelectronic.com), which is updated continuously with professional information. We also recommend you to visit our office, where you can purchase any of the needed devices and spare parts of the product of your interest.

ORDER/SHIPPING

Our soon to be partners are welcomed to be helped via telephone, fax or e-mail. We use different ways of delivery, depending on the preference of our partner. We can deliver your purchased product by ourselves, by freight or courier service. The way of delivery might be negotiated previously. We offer you cash on delivery nation-wide!

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HIT 520 Series - Best Platform Screen Printers



HIT520

PCB Size: 450(L) X 300(W) mm



HIT520L

PCB Size: 610(L) X 420(W) mm



HIT520XL

PCB Size: 850(L) X 550(W) mm



HIT520H

PCB Size: 1200(L) X 550(W) mm



HIT520HD

PCB Size: 1200(L) X 550(W) mm
Advanced High precision
screen printer



HIT520HL

PCB Size: 1550(L) X 560(W) mm
1550 mm PCB High accuracy
screen printer



HIT520 Smart

PCB Size: 330(L) X 250(W) mm



HIT520 Smart

PCB Size: 330(L) X 250(W) mm

X printing dual track screen printer

6 SIGMA LEVEL HIGH ACCURACY PRINTING

- Main parts are manufactured by high rigid mould. High stability rigid casting structure ensures the minimized deformation of base board while printing (deformation below 0.01 mm at 20 kg)
- **SPI Printing Feedback System:** After received the feedback information of bad printing from SPI, it can inspected and clean the mask holes automatically, thus improved the printing quality and production rate.

Drawer type tool box:

- Backup pin, backup block, Squeegee Rack
- Human friendly design
- Space saver
- Beautiful exterior
- The best operator convenience

Auto. solder paste supply device

Common solder paste container is available for this device, and no need special auto solder supply container, so that is convenient and cost saving.

Air condition system

When printing it can control and adjust the internal temperature and humidity automatically.

High rigid casting squeegee with printing temperature and humidity displayed.

X-AXIS PRINTING AND CLEANING SYSTEM

- The long squeegee in Y axis printing will consume 1000 g solder paste at the first time. While in the same situation the X axis printing with squeegee in shorter, will consume 200 g solder paste at the first time. It can save much materials.
- Too long squeegee will lead pressure uneven distributed and affect printing effect. However, it is well-distributed and high-quality in X axis printing.
- Compared with Y axis cleaning, the X axis cleaning with shorter width cleaning paper will be available. It can save more cleaning paper.

PERFECT SOLDER SEPARATION SYSTEM

• Fan blower:

When printing for tiny chips, it can generate vacuum under the PCB to improve the solder separation, so that to realize high quality printing.

• Three or four Fiducial Marks Teaching System:

As for the PCB that deformed or with high tolerance, three or four fiducial marks can ensure more accurate and flexible when printing, while only two fiducial marks would lead more deviation.

HIT 520 SCREEN PRINTER

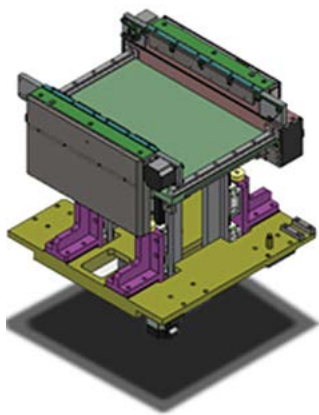


SPECIAL AND EXCELLENT



Unique Squeegee System

High rigid casting squeegee with printing temperature and humidity indicated by LED displays



High printing Accuracy

Direct connection structure stage ensures repeated accuracy $\pm 12.5\mu\text{m}$ @ 60



PCB Thickness Auto Adjustment

Adopt high precision step motor to control the thickness of stage to match the printing PCB. The current PCB thickness can be set in program, so that the equipment can adjust automatically.



Integration Cleaning System

It includes four types of under stencil cleaning in one head, such as Dry, Wet, Vacuum, Air blow.



Silicone mat inlaid in cleaning head

It can fit the mask more closely and make cleaning effect perfect.



Four Fiducial Marks Teaching System

As for the PCB that deformed or with high tolerance, four fiducial marks can ensure more accurate when printing, while only two fiducial marks would lead more deviation.



Automatic Mask Moving Device

The new stencil moves to the printing position automatically.



Integration Cleaning System

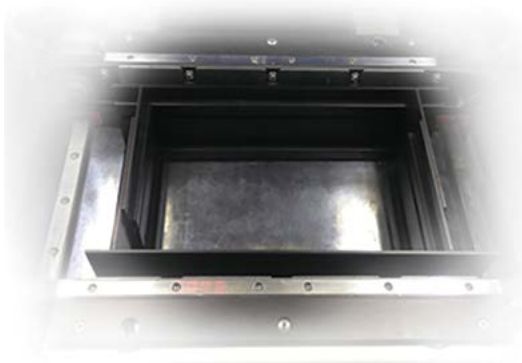
After received the feedback information of bad printing from SPI, the printer can inspect and clean the mask holes automatically, thus improve printing quality and production rate.



Precision Camera Scanning

2D Inspection

- FOV: 8.5mm x 8mm
- Size: 0.3mm above at most
- 500 Teaching Windows Available
- Driven by panasonic servo motor and accurate ball screw



Perfect Solder Separation System

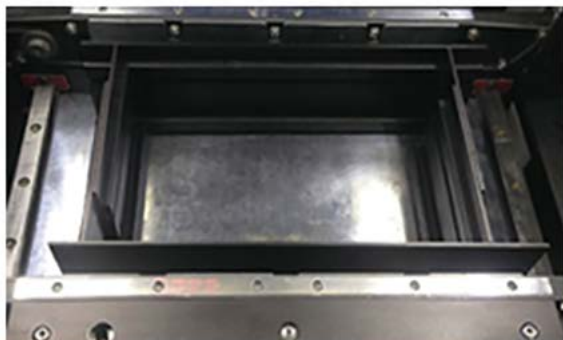
Vacuum absorption and Fan Blower for 0603mm or 0402mm chip



Three segment conveyors

Adopt Korea imported conveyor belt in the three segment conveyors.

Excellent PCB Clamping System



Vacuum Curtain



Vacuum adjustment Panel



Various back—up Block, back—up Pin

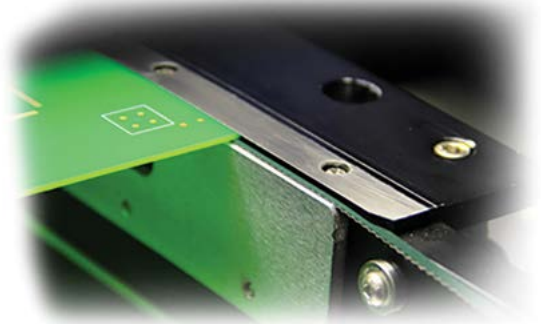
The various back-up block, back-up pin which the bottom with magnet can match many types of PCB and Jig.



Teaching Box



Vacuum Pump



Side Clamping




Motion vision control board



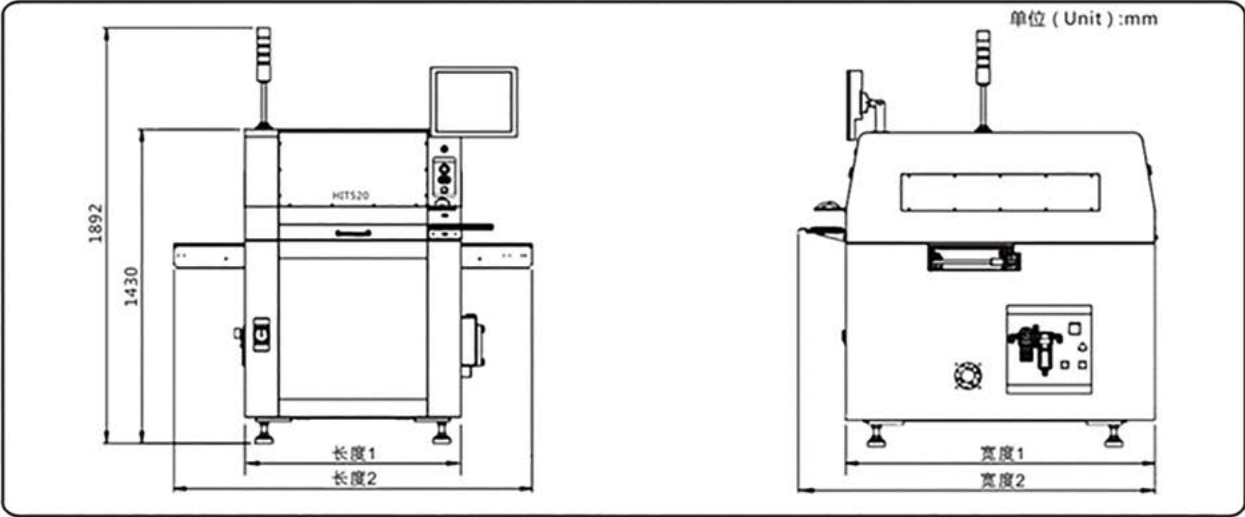
I/O control board

Self-developed control board

HIT 520 - SPECIFICATIONS

HIT520		Specification
Mask	Min. size	650 X 550 mm
	Max. size	650 X 550 mm
PCB	Size	50 X 50 ~ 450 X 300 mm
	Thickness / Weight	0.4mm ~ 6mm / 4kg
	Under clearance	17mm
	Transport direction	left->right / right->left (Option)
Squeegee	Squeegee type	Metal squeegee / HIT GUN(Solder pump head)
	Length	250mm, 350mm, 420mm, 460mm, 600mm
	Moving direction	Y axis moving
Printing	Accuracy / Speed	$\pm 12.5 \mu\text{m}$ @ 6 sigma / 1~300mm/s
		8s (Excluding printing time)
Fiducial Mark	Type	 / User defined
	Size	0.5mm ~ 3mm
	Mark number	Tow/Three/Four
Snap off	Type	Normal/Vacuum
	Speed / Distance	0.5mm/s ~ 30mm/s / 0~5mm
Cleaning System	Type	dry / wet / vacuum / air
	Cleaning head	Silicone pad
2D 2D Inspection	FOV Camera	8.5mm X 8mm, CIS 640 X 480 Japan
	Inspection	solder small or miss
	Inspection Size	0.3mm Over 0.3mm
	Max Teaching window	500 window available
SPI Communication	Type	printing offset and cleaning
Air Condition system	Auto Temp. control	PC control system (Option)
Other	Size / Weight	1610 X 1605 X 1430mm / 800kg
	Power supply, Air supply	220V \pm 20V , 2KW 50/60HZ / 4~6kg/cm ²
	Operation System	Windows XP , Flash memory type HDD

HIT 520 - EQUIPMENT SIZE



Model	A	B	C	D	Unit: mm
HIT520	972	1610	1390	1605	



HIT 520L SCREEN PRINTER

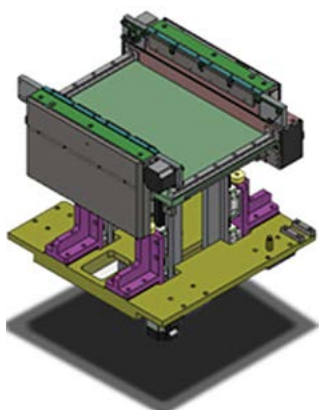


SPECIAL AND EXCELLENT



Unique Squeegee System

High rigid casting squeegee with printing temperature and humidity indicated by LED displays



High printing Accuracy

Direct connection structure stage ensures repeated accuracy $\pm 12.5\mu\text{m}$ @ 60



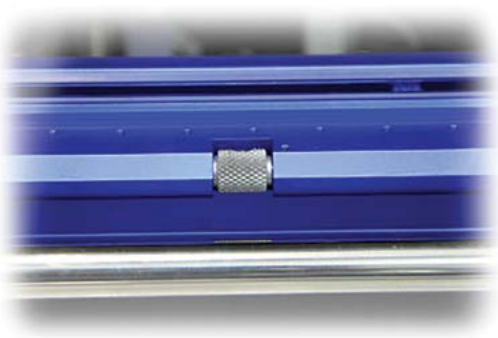
PCB Thickness Auto Adjustment

Adopt high precision step motor to control the thickness of stage to match the printing PCB. The current PCB thickness can be set in program, so that the equipment can adjust automatically.



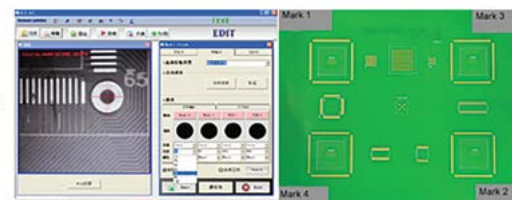
Integration Cleaning System

It includes four types of under stencil cleaning in one head, such as Dry, Wet, Vacuum, Air blow.



Silicone mat inlaid in cleaning head

It can fit the mask more closely and make cleaning effect perfect.



Four Fiducial Marks Teaching System

As for the PCB that deformed or with high tolerance, four fiducial marks can ensure more accurate when printing, while only two fiducial marks would lead more deviation.



Automatic Mask Moving Device

The new stencil moves to the printing position automatically.



Integration Cleaning System

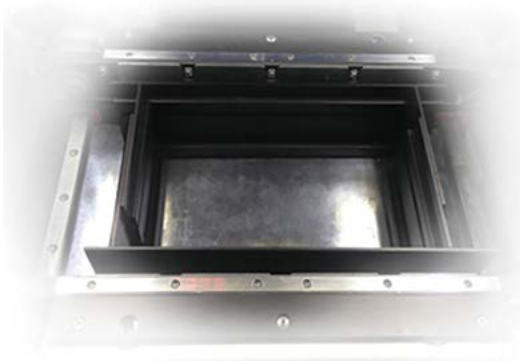
After received the feedback information of bad printing from SPI, the printer can inspect and clean the mask holes automatically, thus improve printing quality and production rate.



Precision Camera Scanning

2D Inspection

- FOV: 8.5mm x 8mm
- Size: 0.3mm above
- at most 500 Teaching Windows Available
- Driven by panasonic servo motor and accurate ball screw



Perfect Solder Separation System

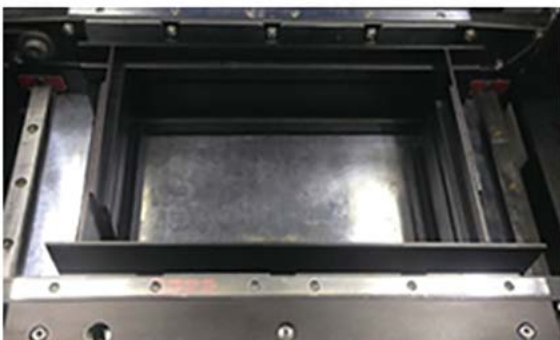
Vacuum absorption and Fan Blower for 0603mm or 0402mm chip



Three segment conveyors

Adopt Korea imported conveyor belt in the three segment conveyors.

Excellent PCB Clamping System



Vacuum Curtain



Vacuum adjustment Panel



Optimal design for the control panel



Teaching Box

Various back—up Block, back—up Pin

The various back-up block, back-up pin which the bottom with magnet can match many types of PCB and Jig.



Vacuum Pump



Top Clamping




Motion vision control board



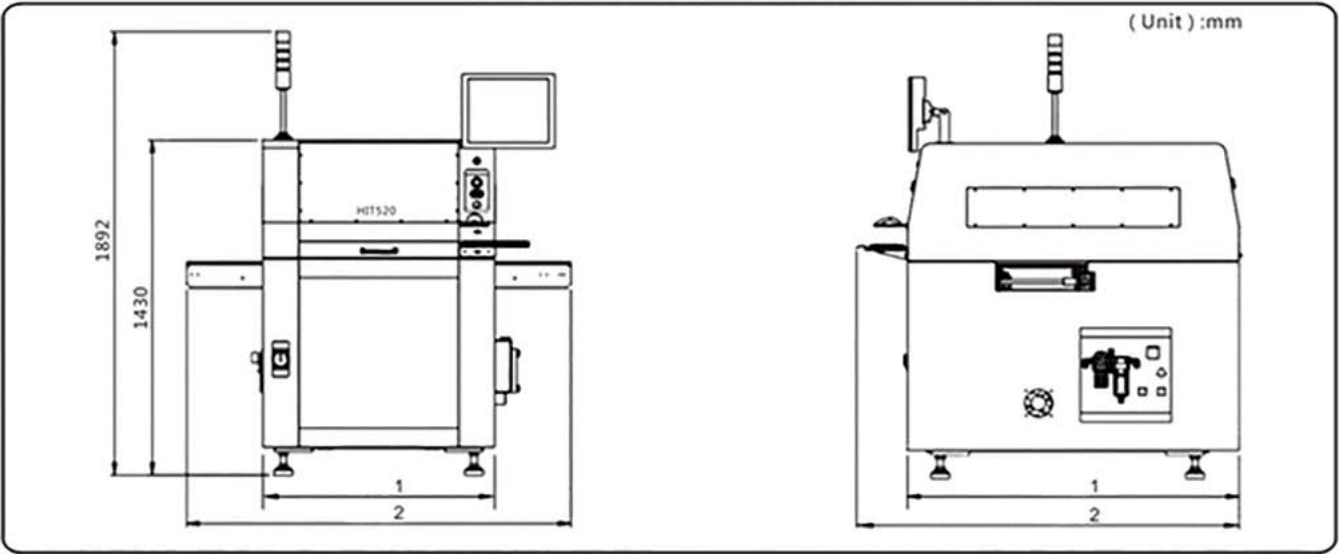
I/O control board

Self-developed control board

HIT 520L - SPECIFICATIONS

HIT520L		Specification
Mask	Min. size	450 X 450 mm
	Max. size	736 X 736 mm
PCB	Size	50 X 50 ~ 610 X 420 mm
	Thickness / Weight	0.4mm ~ 6mm / 4kg
	Under clearance	17mm
	Transport direction	left->right / right->left (Option)
Squeegee	Squeegee type	Metal squeegee / HIT GUN(Solder pump head)
	Length	250mm, 350mm, 420mm, 460mm, 600mm
	Moving direction	Y axis moving
Printing	Accuracy / Speed	$\pm 12.5 \mu\text{m}$ @ 6 sigma / 1~300mm/s
		8s (Excluding printing time)
Fiducial Mark	Type	 / User defined
	Size	0.5mm ~ 3mm
	Mark number	Tow/Three/Four
Snap off	Type	Normal/Vacuum
	Speed / Distance	0.5mm/s ~ 30mm/s / 0~5mm
Cleaning System	Type	dry / wet / vacuum / air
	Cleaning head	Silicone pad
2D 2D Inspection	FOV Camera	8.5mm X 8mm, CIS 640 X 480 Japan
	Inspection	solder small or miss
	Inspection Size	0.3mm Over 0.3mm
	Max Teaching window	500 window available
SPI Communication	Type	printing offset and cleaning
Air Condition system	Auto Temp. control	PC control system (Option)
Other	Size / Weight	2000 X 1755 X 1430mm / 900kg
	Power supply/ Air supply	220V \pm 20V , 2KW 50/60HZ / 4~6kg/cm2
	Operation System	Windows XP , Flash memory type HDD

HIT 520L - EQUIPMENT SIZE



Model	1	2	1	2	Unit : mm
HIT520L	1078	2000	1540	1755	

HIT 520XL SCREEN PRINTER

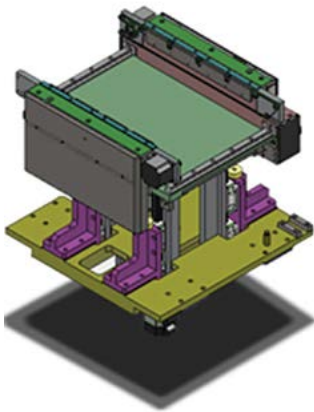


SPECIAL AND EXCELLENT



Unique Squeegee System

High rigid casting squeegee with printing temperature and humidity indicated by LED displays



High printing Accuracy

Direct connection structure stage ensures repeated accuracy $\pm 12.5\mu\text{m}$ @ 60



PCB Thickness Auto Adjustment

Adopt high precision step motor to control the thickness of stage to match the printing PCB. The current PCB thickness can be set in program, so that the equipment can adjust automatically.



Integration X Axis Cleaning System

It includes four types of under stencil cleaning in one head, such as Dry, Wet, Vacuum, Air blow.



Silicone mat inlaid in cleaning head

It can fit the mask more closely and make cleaning effect perfect.



X Axis Printing

1. The X axis printing which has shorter squeegees will save about 3/4 solder paste at the first printing.
2. The too long squeegee will lead pressure uneven distributed, and then effect printing quality. However, it is well-distributed and high-quality for printing when used X axis printing.
3. Maximum size of printing PCB is 780 x 420mm.



Automatic Mask Moving Device

The new stencil moves to the printing position automatically.



X Axis Cleaning

Compared with Y axis cleaning, the X axis cleaning with shorter width cleaning paper will be available and it can save more cleaning paper.



Four Fiducial Marks Teaching System

As for the PCB that deformed or with high tolerance, four fiducial marks can ensure more accurate when printing, while only two fiducial marks would lead more deviation.



Integration Cleaning System

After received the feedback information of bad printing from SPI, the printer can inspect and clean the mask holes automatically, thus improve printing quality and production rate.

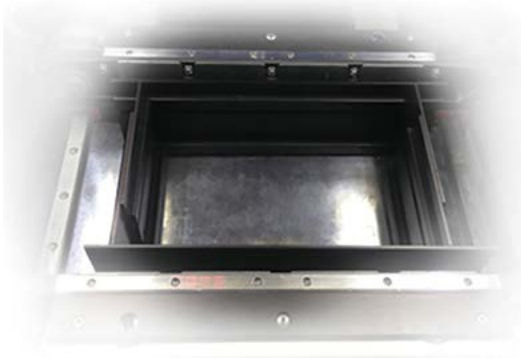
HIT 520XL - PERFORMANCE



Precision Camera Scanning

2D Inspection

- FOV: 8.5mm x 8 mm
- Size: 0.3mm above
- at most 500 Teaching Windows Available
- Driven by panasonic servo motor and accurate ball screw



Perfect Solder Separation System

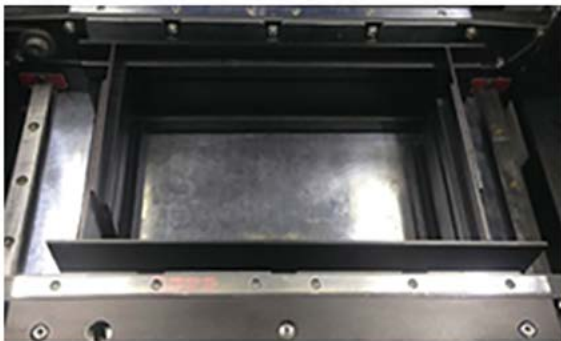
Vacuum absorption and Fan Blower for 0603mm or 0402mm chip



Three segment conveyors

Adopt Korea imported conveyor belt in the three segment conveyors.

Excellent PCB Clamping System



Vacuum Curtain



Vacuum adjustment Panel

HIT 520XL - EQUIPMENT



Various back—up Block, back—up Pin

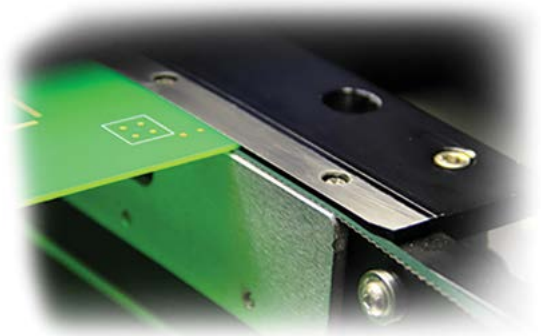
The various back-up block, back-up pin which the bottom with magnet can match many types of PCB and Jig.



Teaching Box



Vacuum Pump



TopClamping



Motion vision control board



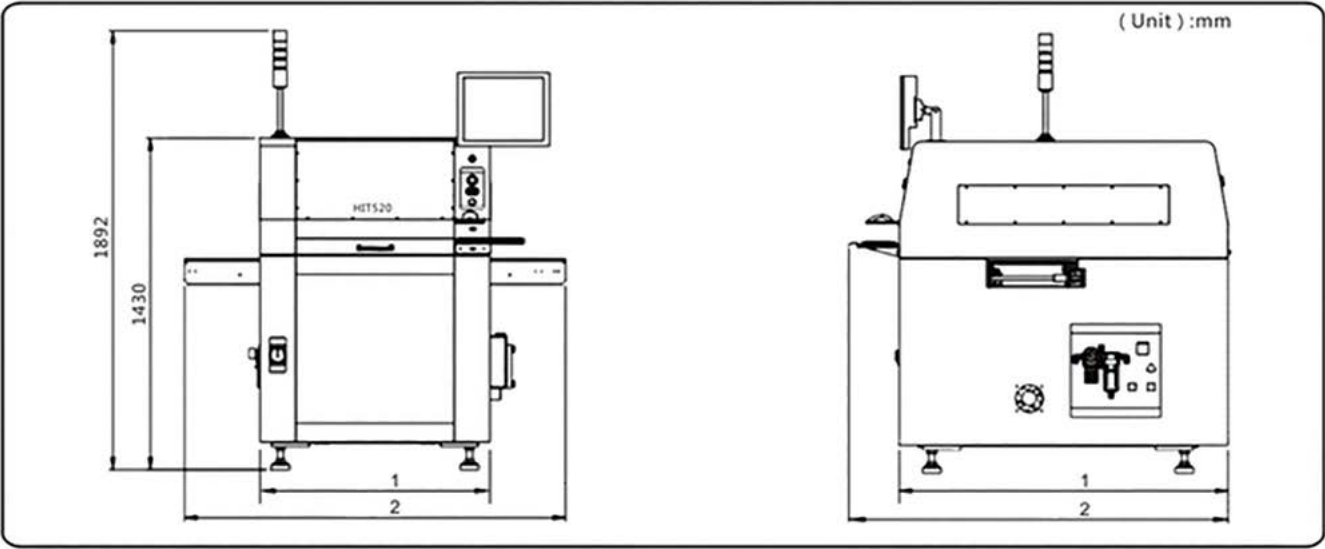
I/O control board

Self-developed control board

HIT 520XL - SPECIFICATIONS

HIT520XL		Specification
Mask	Min. size	650 X 550 mm
	Max. size	1200 X 736 mm
PCB	Size	80 X 80 ~ 850 X 550 mm
	Thickness / Weight	0.4mm ~ 6mm / 10kg
	Under clearance	17mm
	Transport direction	left->right / right->left (Option)
Squeegee	Squeegee type	Metal squeegee / HIT GUN(Solder pump head)
	Length	250mm, 350mm, 420mm, 460mm, 600mm
	Moving direction	X axis moving
Printing	Accuracy / Speed	$\pm 12.5 \mu\text{m}$ @ 6 sigma / 1~300mm/s
		11s (Excluding printing time)
Fiducial Mark	Type	●+■▲◆ / User defined
	Size	0.5mm ~ 3mm
	Mark number	Tow/Three/Four
Snap off	Type	Normal/Vacuum
	Speed / Distance	0.5mm/s ~ 30mm/s / 0~5mm
Cleaning System	Type	dry / wet / vacuum / air
	Cleaning head	Silicone pad
2D Inspection	FOV Camera	8.5mm X 8mm, CIS 640 X 480 Japan
	Inspection	solder small or miss
	Inspection Size	0.3mm Over 0.3mm
	Max Teaching window	500 window available
SPI Communication	Type	printing offset and cleaning
Air Condition system	Auto Temp. control	PC control system (Option)
Other	Size / Weight	2580 X 1755 X 1430mm / 1000kg
	Power supply/ Air supply	220V \pm 20V , 2KW 50/60HZ / 4~6kg/cm ²
	Operation System	Windows XP , Flash memory type HDD

HIT 520XL - EQUIPMENT SIZE



Model	1	2	1	2	Unit : mm
HIT520XL	1318	2580	1540	1755	

HIT 520H SCREEN PRINTER

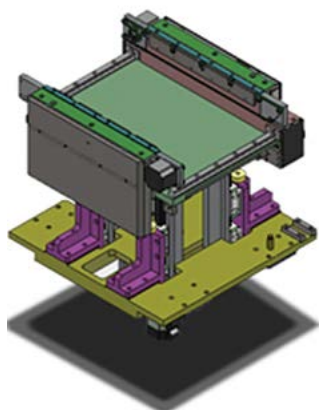


SPECIAL AND EXCELLENT



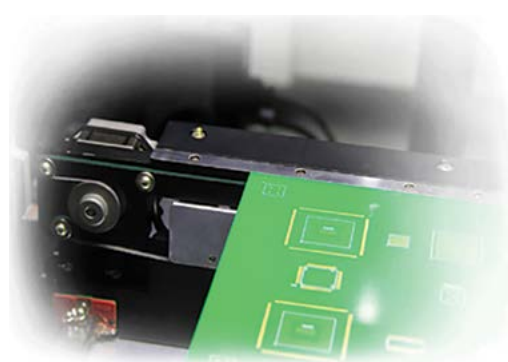
Unique Squeegee System

High rigid casting squeegee with printing temperature and humidity indicated by LED displays



High printing Accuracy

Direct connection structure stage ensures repeated accuracy $\pm 12.5\mu\text{m}$ @ 60



PCB Thickness Auto Adjustment

Adopt high precision step motor to control the thickness of stage to match the printing PCB. The current PCB thickness can be set in program, so that the equipment can adjust automatically.



Integration Cleaning System

It includes four types of under stencil cleaning in one head, such as Dry, Wet, Vacuum, Air blow.



Silicone mat inlaid in cleaning head

It can fit the mask more closely and make cleaning effect perfect.



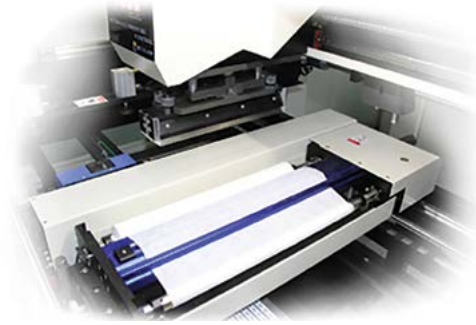
X Axis Printing

1. The X axis printing which has shorter squeegees will save about 3/4 solder paste at the first printing.
2. The too long squeegee will lead pressure uneven distributed, and then effect printing quality. However, it is well-distributed and high-quality for printing when used X axis printing.
3. Maximum size of printing PCB is 780 x 420mm.



Automatic Mask Moving Device

The new stencil moves to the printing position automatically.



X Axis Cleaning

Compared with Y axis cleaning, the X axis cleaning with shorter width cleaning paper will be available and it can save more cleaning paper.



Four Fiducial Marks Teaching System

As for the PCB that deformed or with high tolerance, four fiducial marks can ensure more accurate when printing, while only two fiducial marks would lead more deviation.



Integration Cleaning System

After received the feedback information of bad printing from SPI, the printer can inspect and clean the mask holes automatically, thus improve printing quality and production rate.

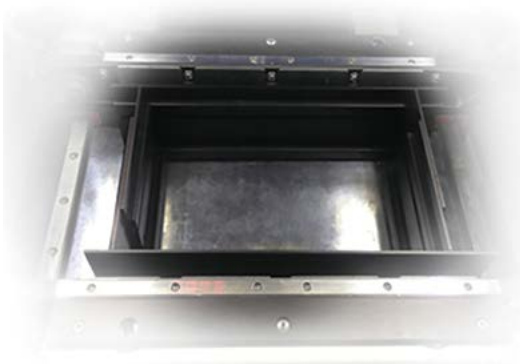
HIT 520H - PERFORMANCE



Precision Camera Scanning

2D Inspection

- FOV: 8.5mm x 8mm
- Size: 0.3mm above
- at most 500 Teaching Windows Available
- Driven by panasonic servo motor and accurate ball screw



Perfect Solder Separation System

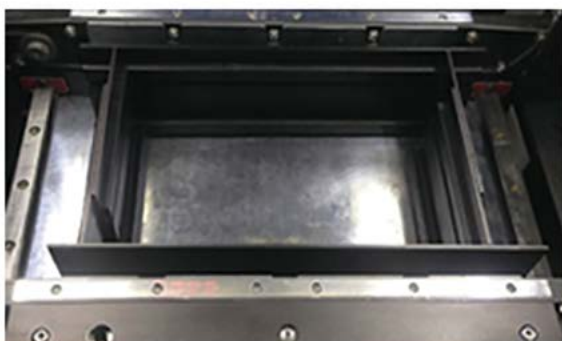
Vacuum absorption and Fan Blower for 0603mm or 0402mm chip



Three segment conveyors

Adopt Korea imported conveyor belt in the three segment conveyors.

Excellent PCB Clamping System



Vacuum Curtain



Vacuum adjustment Panel

HIT 520H - EQUIPMENT



Optimal design for the control panel



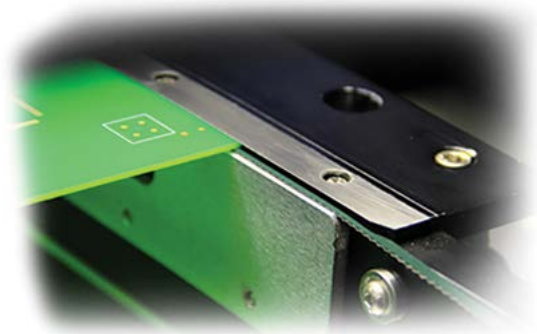
Teaching Box

Various back—up Block, back—up Pin

The various back-up block, back-up pin which the bottom with magnet can match many types of PCB and Jig.



Vacuum Pump



Top Clamping



Motion vision control board



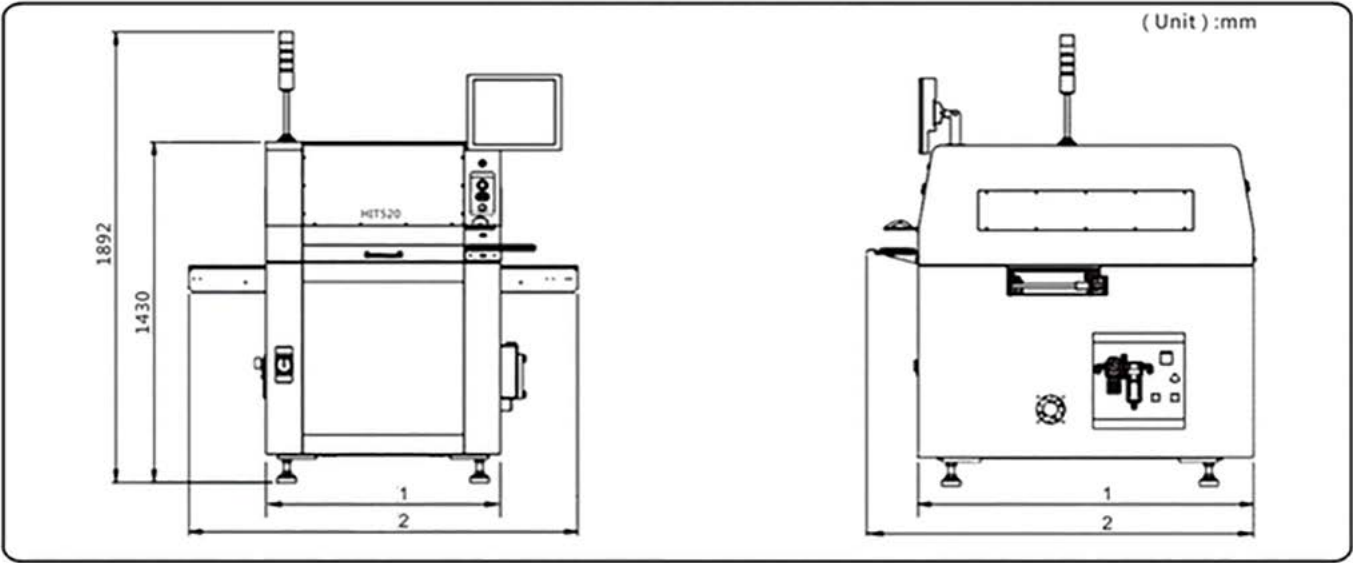
I/O control board

Self-developed control board

HIT 520H - SPECIFICATIONS

HIT520H	Specification	
Mask	Min. size	736 X 550 mm
	Max. size	1500 X 736 mm
PCB	Size	80 X 80 ~ 1200 X 550 mm
	Thickness / Weight	0.4mm ~ 6mm / 10kg
	Under clearance	14mm
	Transport direction	left->right / right->left (Option)
Squeegee	Squeegee type	Metal squeegee / HIT GUN(Solder pump head)
	Length	250mm, 350mm, 420mm, 460mm, 600mm
	Moving direction	X axis moving
Printing	Accuracy / Speed	$\pm 12.5 \mu\text{m}$ @ 6 sigma / 1~300mm/s
		14s (Excluding printing time)
Fiducial Mark	Type	●+■▲◆ / User defined
	Size	0.5mm ~ 3mm
	Mark number	Tow/Three/Four
Snap off	Type	Normal/Vacuum
	Speed / Distance	0.5mm/s ~ 30mm/s / 0~5mm
Cleaning System	Type	dry / wet / vacuum / air
	Cleaning head	Silicone pad
2D Inspection	FOV Camera	8.5mm X 8mm, CIS 640 X 480 Japan
	Inspection	solder small or miss
	Inspection Size	0.3mm Over 0.3mm
	Max Teaching window	500 window available
SPI Communication	Type	printing offset and cleaning
Air Condition system	Auto Temp. control	PC control system (Option)
Other	Size / Weight	3824 X 1582 X 1430mm / 1200kg
	Power supply/ Air supply	220V \pm 20V , 2KW 50/60HZ / 4~6kg/cm ²
	Operation System	Windows XP , Flash memory type HDD

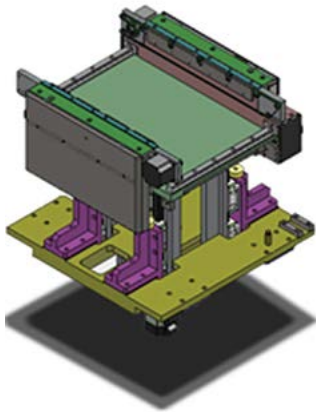
HIT 520H - EQUIPMENT SIZE



Model	1	2	1	2	Unit : mm
HIT520H	1950	3824	1367	1582	

HIT 520HD SCREEN PRINTER

SPECIAL AND EXCELLENT



High printing Accuracy

Direct connection structure stage ensures repeated accuracy $\pm 12.5\mu\text{m}$ @ 60



Unique Squeegee System

High rigid casting squeegee with printing temperature and humidity indicated by LED displays



PCB Thickness Auto Adjustment

Adopt high precision step motor to control the thickness of stage to match the printing PCB. The current PCB thickness can be set in program, so that the equipment can adjust automatically.



Integration Cleaning System

It includes four types of under stencil cleaning in one head, such as Dry, Wet, Vacuum, Air blow.



In/Out CV width auto adjustment



Silicone mat inlaid in cleaning head

It can fit the mask more closely and make cleaning effect perfect.



X Axis Printing

1. The X axis printing which has shorter squeegees will save about 3/4 solder paste at the first printing.
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Automatic Mask Moving Device

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Four Fiducial Marks Teaching System

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Integration Cleaning System

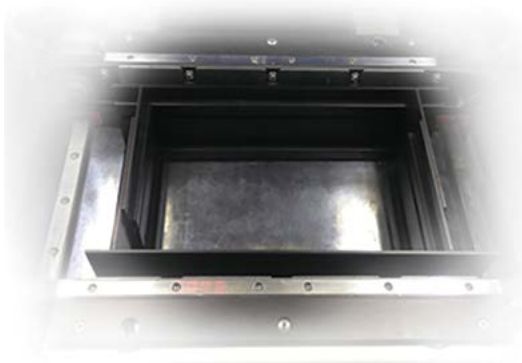
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2D Inspection

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Perfect Solder Separation System

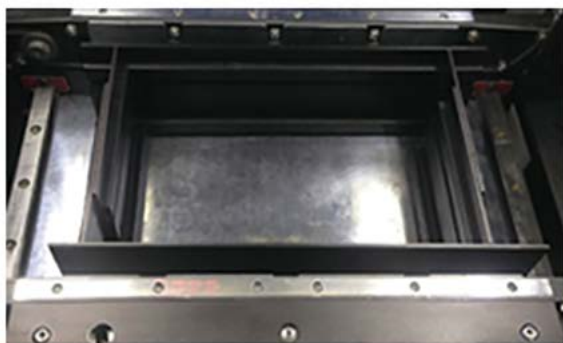
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Vacuum adjustment Panel



Optimal design for the control panel



Teaching Box

Various back—up Block, back—up Pin

The various back-up block, back-up pin which the bottom with magnet can match many types of PCB and Jig.



Vacuum Pump



Top Clamping



Motion vision control board



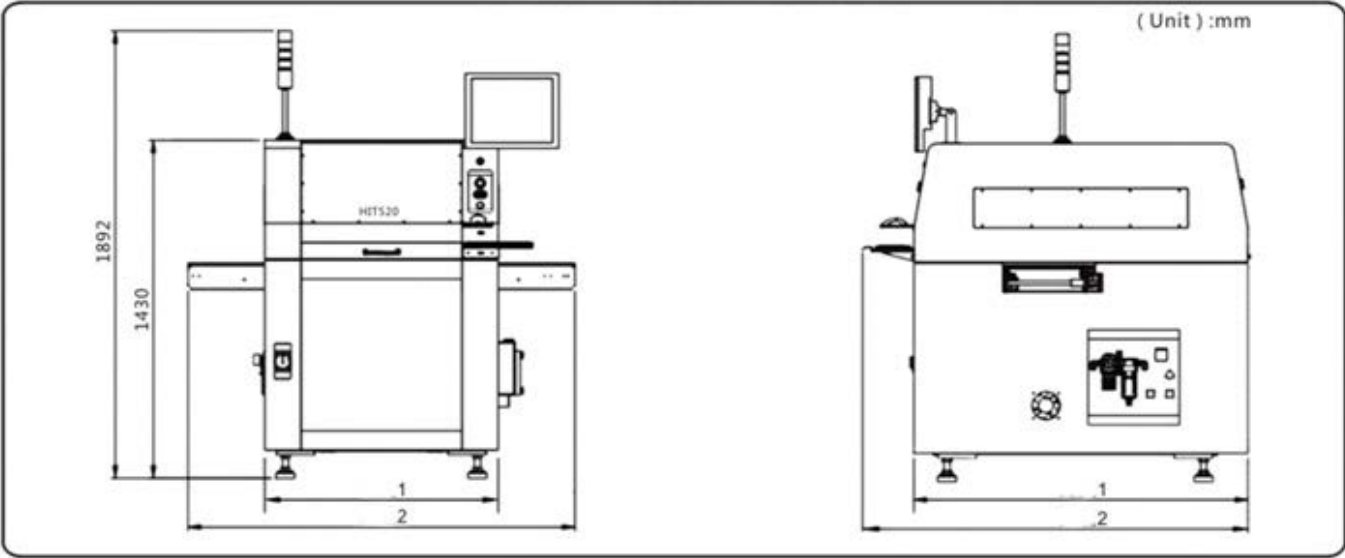
I/O control board

Self-developed control board

HIT 520HD - SPECIFICATIONS

HIT520HD		Specification
Mask	Min. size	736 X 550 mm
	Max. size	1500 X 736 mm
PCB	Size	80 X 80 ~ 1200 X 550 mm
	Thickness / Weight	0.4mm ~ 6mm / 10kg
	Under clearance	14mm
	Transport direction	left->right / right->left (Option)
Squeegee	Squeegee type	Metal squeegee / HIT GUN(Solder pump head)
	Length	250mm, 350mm, 420mm, 460mm, 600mm
	Moving direction	X axis moving
Printing	Accuracy / Speed	$\pm 12.5 \mu\text{m}$ @ 6 sigma / 1~300mm/s
		14s (Excluding printing time)
Fiducial Mark	Type	●+■▲◆ / User defined
	Size	0.5mm ~ 3mm
	Mark number	Tow/Three/Four
Snap off	Type	Normal/Vacuum
	Speed / Distance	0.5mm/s ~ 30mm/s / 0~5mm
Cleaning System	Type	dry / wet / vacuum / air
	Cleaning head	Silicone pad
2D Inspection	FOV Camera	8.5mm X 8mm, CIS 640 X 480 Japan
	Inspection	solder small or miss
	Inspection Size	0.3mm Over 0.3mm
	Max Teaching window	500 window available
SPI Communication	Type	printing offset and cleaning
Air Condition system	Auto Temp. control	PC control system (Option)
Other	Size / Weight	3824 X 1582 X 1430mm / 1200kg
	Power supply/ Air supply	220V \pm 20V , 2KW 50/60HZ / 4~6kg/cm ²
	Operation System	Windows XP , Flash memory type HDD

HIT 520HD- EQUIPMENT SIZE

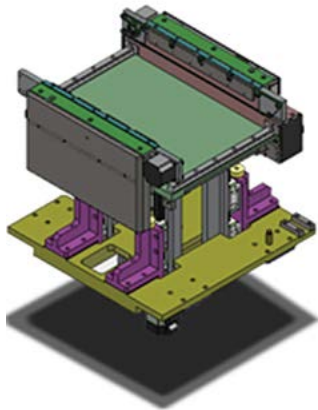


Model	1	2	1	2	Unit : mm
HIT520HD	1950	3824	1473	1687	



HIT 520HL SCREEN PRINTER

SPECIAL AND EXCELLENT



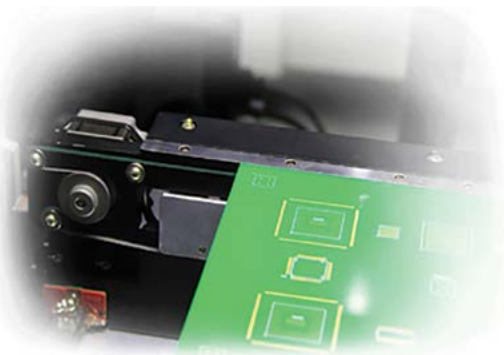
High printing Accuracy

Direct connection structure stage ensures repeated accuracy $\pm 12.5\mu\text{m}$ @ 60



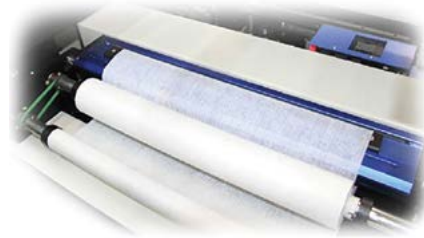
Unique Squeegee System

High rigid casting squeegee with printing temperature and humidity indicated by LED displays



PCB Thickness Auto Adjustment

Adopt high precision step motor to control the thickness of stage to match the printing PCB. The current PCB thickness can be set in program, so that the equipment can adjust automatically.



Integration Cleaning System

It includes four types of under stencil cleaning in one head, such as Dry, Wet, Vacuum, Air blow.



In/Out CV width auto adjustment



Silicone mat inlaid in cleaning head

It can fit the mask more closely and make cleaning effect perfect.



X Axis Printing

1. The X axis printing which has shorter squeegees will save about 3/4 solder paste at the first printing.
2. The too long squeegee will lead pressure uneven distributed, and then effect printing quality. However, it is well-distributed and high-quality for printing when used X axis printing.
3. Maximum size of printing PCB is 780 x 420mm.



Automatic Mask Moving Device

The new stencil moves to the printing position automatically.



X Axis Cleaning

Compared with Y axis cleaning, the X axis cleaning with shorter width cleaning paper will be available and it can save more cleaning paper.



Four Fiducial Marks Teaching System

As for the PCB that deformed or with high tolerance, four fiducial marks can ensure more accurate when printing, while only two fiducial marks would lead more deviation.



Integration Cleaning System

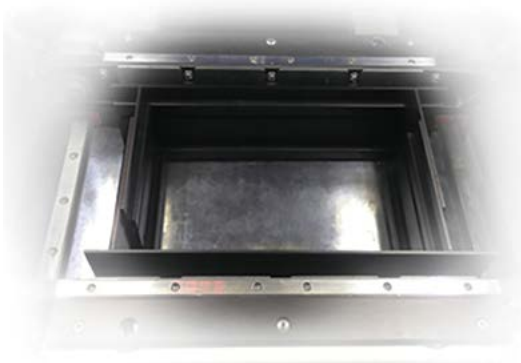
After received the feedback information of bad printing from SPI, the printer can inspect and clean the mask holes automatically, thus improve printing quality and production rate.



Precision Camera Scanning

2D Inspection

- FOV: 8.5mm x 8mm
- Size: 0.3mm above
- at most 500 Teaching Windows Available
- Driven by panasonic servo motor and accurate ball screw



Perfect Solder Separation System

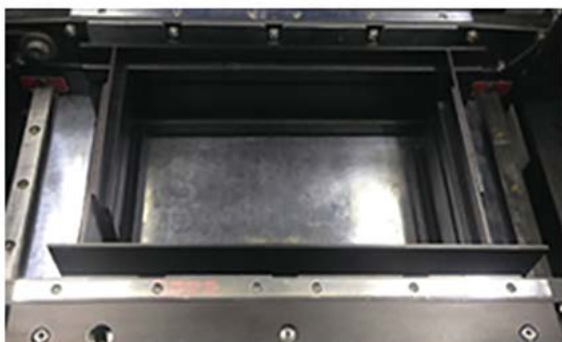
Vacuum absorption and Fan Blower for 0603mm or 0402mm chip



Three segment conveyors

Adopt Korea imported conveyor belt in the three segment conveyors.

Excellent PCB Clamping System



Vacuum Curtain



Vacuum adjustment Panel



Optimal design for the control panel



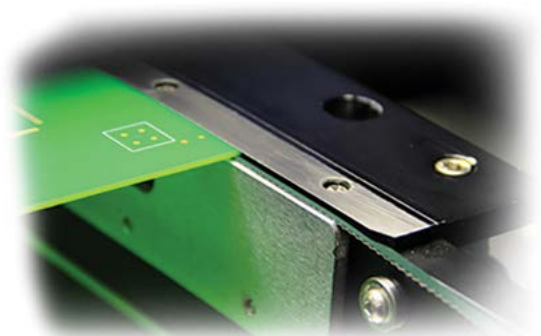
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Vacuum Pump



Top Clamping



Motion vision control board



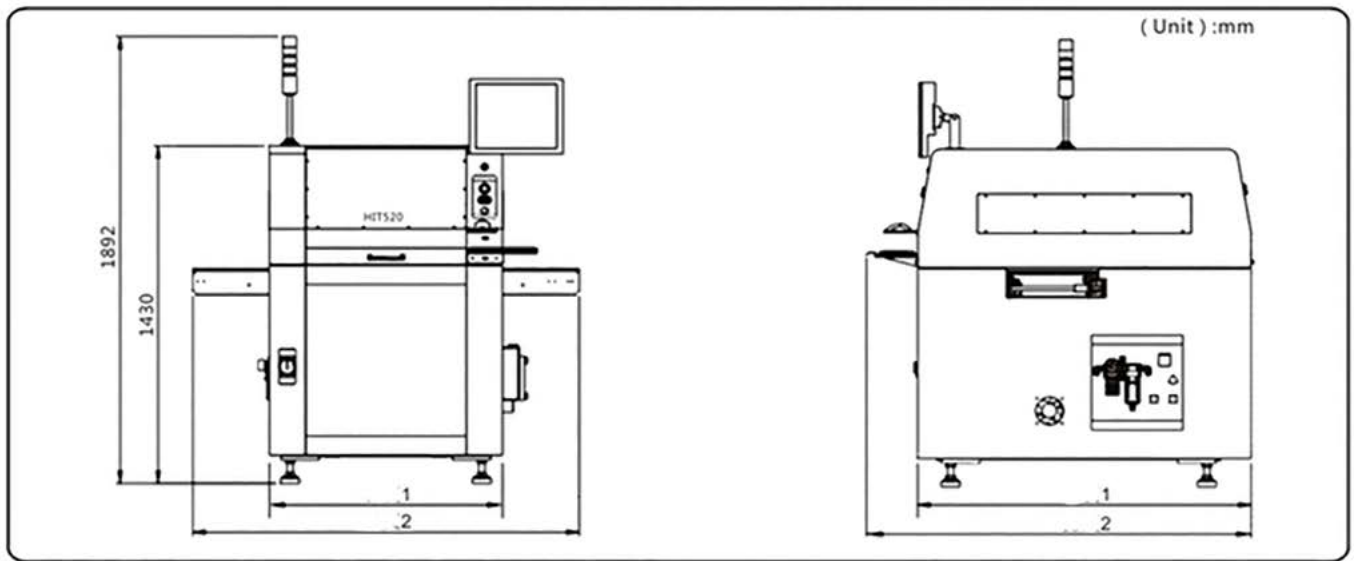
I/O control board

Self-developed control board

HIT 520HL - SPECIFICATIONS

HIT520HL	Specification	
Mask	Min. size	736 X 736 mm
	Max. size	1850 X 736 mm
PCB	Size	80 X 80 ~ 1550 X 560 mm
	Thickness / Weight	0.4mm ~ 6mm / 10kg
	Under clearance	14mm
	Transport direction	left->right / right->left (Option)
Squeegee	Squeegee type	Metal squeegee / HIT GUN(Solder pump head)
	Length	250mm, 350mm, 420mm, 460mm, 600mm
	Moving direction	X axis moving
Printing	Accuracy / Speed	$\pm 12.5 \mu\text{m}$ @ 6 sigma / 1~300mm/s
		16s (Excluding printing time)
Fiducial Mark	Type	●+■▲◆ / User defined
	Size	0.5mm ~ 3mm
	Mark number	Tow/Three/Four
Snap off	Type	Normal/Vacuum
	Speed / Distance	0.5mm/s ~ 30mm/s / 0~5mm
Cleaning System	Type	dry / wet / vacuum / air
	Cleaning head	Silicone pad
2D Inspection	FOV Camera	8.5mm X 8mm, CIS 640 X 480 Japan
	Inspection	solder small or miss
	Inspection Size	0.3mm Over 0.3mm
	Max Teaching window	500 window available
SPI Communication	Type	printing offset and cleaning
Air Condition system	Auto Temp. control	PC control system (Option)
Other	Size / Weight	2600 X 1582 X 1430mm / 1500kg
	Power supply/ Air supply	220V \pm 20V , 2KW 50/60HZ / 4~6kg/cm ²
	Operation System	Windows XP , Flash memory type HDD

HIT 520HL- EQUIPMENT SIZE



Model	1	2	1	2	Unit : mm
HIT520HL	2250	2600	1473	1687	



HIT 520 SMART SCREEN PRINTER



HIT GUN--- solder Pump Head

Available and good for 0201 chip

New developed Solder Pump Head, with the advantage of supply solder paste automatically and saving cost to largest extent, is available and good for 0201 chip.

1. Auto solder paste supply
2. Auto pressure control
3. Perfect printing effect
4. No wasting of solder paste

X-axis printing head

1. Each axis movement of squeegee head is controlled by precise servo press independently to improve printing quality.
2. Customer can free exchange HIT GUN or conventional squeegee head according to actual requirement of production according to actual production.



X-axis printing head

Adjusting squeegee head angle for mask wide range opening can have a better printing quality.



0<Angle <30



Angle = 0



0>Angle >-30

Description of the Stage

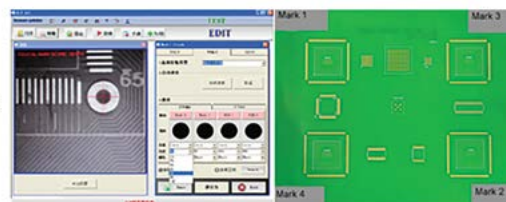


- Mask decompression device
After printing, the solder perfectly separated from the mask, so that to realize high quality printing.
- Flipper
Clamping system special for bend or distorted PCB.
- Two way stage up/down
Two way stage moves and down for high quality printing.



Silicone mat inlaid in cleaning head

It can fit the mask more closely and make cleaning effect perfect.



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Precision Camera Scanning

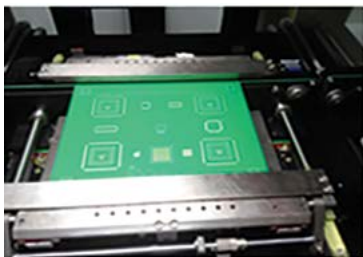
2D Inspection

- FOV: 8.5mm x 8mm
- Size: 0.3mm above
- at most 500 Teaching Windows Available
- Driven by panasonic servo motor and accurate ball screw



Three segment conveyors

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Flipper



Vacuum Curtain



Vacuum adjustment Panel

HIT 520 SMART- - EQUIPMENT



Optimal design for the control panel



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Vacuum Pump



Top Clamping



Motion vision control board



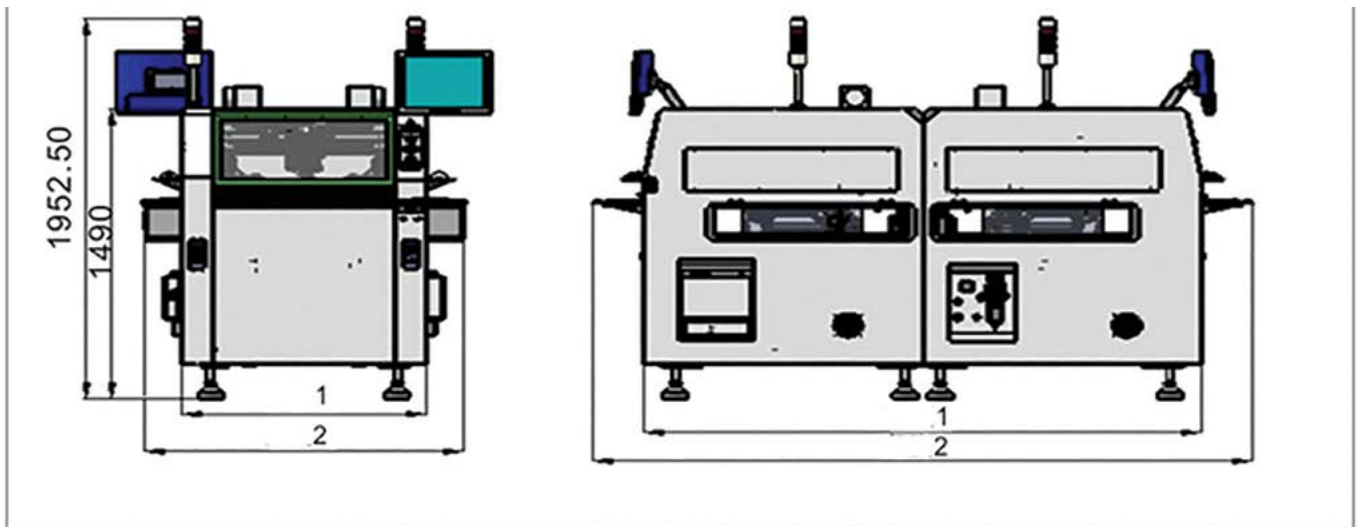
I/O control board

Self-developed control board

HIT 520 SMART- - SPECIFICATIONS

HIT520Smart		Specification
Mask	Min. size	650 X 550 mm
	Max. size	650 X 650 mm
PCB	Size	50 X 50 ~ 330 X 250 mm
	Thickness / Weight	0.4mm ~ 6mm / 4kg
	Under clearance	17mm
	Transport direction	left->right / right->left (Option)
Squeegee	Squeegee type	Metal squeegee / HIT GUN(Solder pump head)
	Length	250mm, 350mm, 420mm, 460mm, 600mm
	Moving direction	X axis moving
Printing	Accuracy / Speed	$\pm 12.5 \mu\text{m}$ @ 6 sigma / 1~300mm/s
		8s (Excluding printing time)
Fiducial Mark	Type	●+■▲◆ / User defined
	Size	0.5mm ~ 3mm
	Mark number	Two/Three/Four
Snap off	Type	Normal/Vacuum
	Speed / Distance	0.5mm/s ~ 30mm/s / 0~5mm
Cleaning System	Type	dry / wet / vacuum / air
	Cleaning head	Silicone pad
2D Inspection	FOV Camera	8.5mm X 8mm, CIS 640 X 480 Japan
	Inspection	solder small or miss
	Inspection Size	0.3mm Over 0.3mm
	Max Teaching window	500 window available
SPI Communication	Type	printing offset and cleaning
Air Condition system	Auto Temp. control	PC control system (Option)
Other	Size / Weight	1330 X 1375 X 1490mm / 800kg
	Power supply/ Air supply	220V \pm 20V , 2KW 50/60HZ / 4~6kg/cm ²
	Operation System	Windows XP , Flash memory type HDD

HIT 520 SMART- EQUIPMENT SIZE



Model	1	2	1	2	Unit : mm
HIT520Smart	1012	1330	2320	2750	



InterElectronic

www.interelectronic.com