

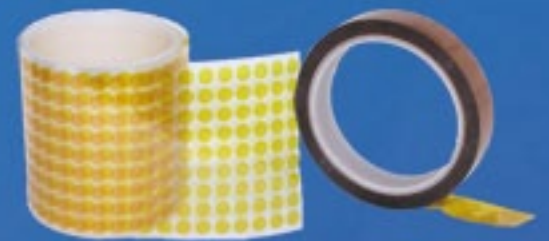
# Product Catalog



Tools



High Temperature  
Tapes & Dots



Transport & Storage



[www.bluwww.com](http://www.bluwww.com)



Splicing Kits



Static Control



ESD Jackets and  
Shoe Covers



ESD Brushes



Cleaning Solutions







## Welcome to BLU

Our mission is to deliver SMT consumables along with the economy of one-stop-shop for all SMT consumables needs.

Maintaining performance standards is key to increased productivity and quality assurance. This means not only consistent operation of your equipment, but also assurance that the tooling, consumables and materials used in your process, deliver the same level of consistent quality and reliability.

BLU is the single source provider for your consumable and tooling supplies essential to maintain the highest quality standards in the assembly and manufacturing process.

BLU supports each step of the manufacturing process from Screen Printing, Placement to Reflow through to Auto Insertion & Wave Soldering and from Final Assembly to Test. Please go to the Products page for a complete list of products.

BLU's commitment is not only to provide the highest quality products possible, to make them available to you for fast delivery through a network of local, national, and international distributors. In addition to getting BLU quality products, you get the added benefit of doing business with local suppliers who can provide quick delivery and after sales support. From our central European location we can support our distribution network to maximum advantage to both our distributors and our end users.



BLU is committed to enhancing its customers' success worldwide with services and responsiveness that set industry standards for quality and value. We relentlessly strive to be the best in every aspect of our business, by fostering a culture of trust, teamwork, responsibility, high expectations and open communications with employees and customers.





## SMT STENCIL ROLLS



BLU under screen cleaning rolls are made to ensure that manufacturers' specifications are matched exactly. They come in various lengths to provide cost-effective solution. Each is made with the most absorbent and durable wiping fabrics available and are extremely low linting.

BLU converts 45-85 gsm wiping fabric for use in underscreen cleaning mechanisms. Our non-wovens are very strong materials selected for best in class vacuum characteristics, which make it ideal for absorbing paste. Our nonwoven material is easily picked out from our competitors because it works in the most demanding applications. A list of current screen roll dimensions may be seen below, but custom designs can be made on request.

### Features

- Ultralow particle generation
- Ultralow extractable level
- Ultralow metallic ion content
- Super high absorbency
- Certified quality control with lot-to-lot traceability

### Applications

- SMT & Hybrid Printing
- Wafer Bumping
- Ink Printing

### Part Numbers and their sizes

Part Number	Paper	Machine	Paper Size
BLUM4445	50 gsm	MPM AP, UP, ACCUFLEX	444 x 10
BLUM2005	50 gsm	MPM AP, UP, ACCUFLEX	200 x 10
BLUD2005	50 gsm	DEK INFINITY,HORIZON,GSX,GS	200 x 10
BLUD4005	50 gsm	DEK INFINITY,HORIZON,GSX,GS	400 x 10
BLUD5155	50 gsm	DEK INFINITY,HORIZON,GSX,GS	515 x 10
BLUE4005	50 gsm	EKRA E4, E5, X5	400 x 7,1
BLUE5005	50 gsm	EKRA E4, E5, X5	500 x 7,1

**Blu can manufacture other sizes or custom sizes on demand.**

### Machine Configurations

Printer	Ref. No	Width (mm)	ID (mm)	OD (mm)	OD (mm)	Length Paper	Width Paper	Material Core	Notch
DEK	115660	530	19.6	22.6	52	10	515	Perspex	Yes
MPM	P1485	456	19.4	25.4	63	10	444	Cardboard	No
Ekra	N/A	400	12	19	47	8	400	Cardboard	No
Panasonic	N/A	360	38.1	41.1	76	10	360	Cardboard	No
Fuji	N/A	500	25.4	28.4	60	7.8	500	Cardboard	Yes
SMTech	N/A	410	38.1	41.1	65	8	410	Cardboard	No
KME	N/A	350	38.1	41.1	100	30	350	Cardboard	No
Sanyo	N/A	280	38.1	41.1	76	10	280	Cardboard	No





## BLU SPLICE AND TAPES

Avoid unnecessary stoppages of pick and place machines and use BLU Splice Tapes to provide precise attachment of new component reels to depleted component reels. The component reels carrier tape become securely joined by mechanical clips, and the cover tape by splice tape; they can be peeled off continuously across the joint. This avoids wastage of valuable time and components.

BLU Double Splice Tape has a plastic carrier tape adaptor and doubles over the old and new reels by hand.

### Advantages of BLU Splice Clip and Tape

The single operation combines both the clip and splice tape on the one piece, eliminating the awkward handling problems commonly associated with the splicing process. BLU Splice Clip and Tape is guaranteed to increase a company's productivity, with excellent joints each and every time. The Splice Tape with Splice Clip allows you to splice the black carrier tape and the cover tape in one process. The process has been to splice the black carrier tape with the splicing shim. You then would remove the spliced black tape from the tool and place a SMD Tape Connector to connect the cover tape.

### Advantages of the BLU Splice Tools

Blu have engineered two scissors also; standard scissors and serrated scissors. The serrated scissors only allows precise alignment of the carrier tapes due to the v-groove cut in both tapes.

Blu also sells SMT trolleys and ESD safe waste bins to make a mobile splicing workstation.



Splice Crimping Tool

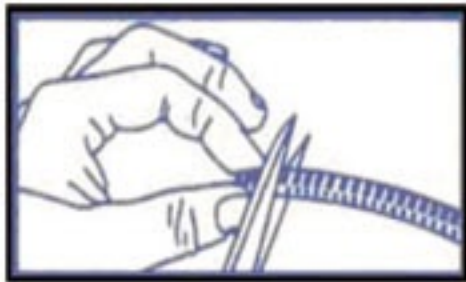
8-24mm Single Splicing Tapes:



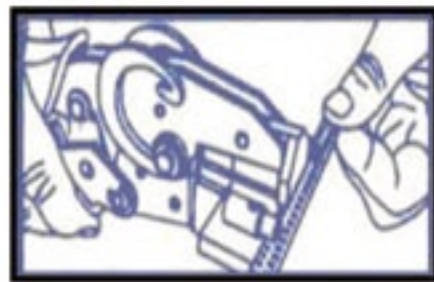
24mm Splice Tape Close Up



Brass Splice Clip Close Up



**Step 1:** Cut the center of the perforated hole using a scissors



**Step 2:** Arrange the full and empty reels on the tool and crimp on a brass clip



**Step 3:** Remove waste tape



**Step 4:** Stick on single splice tape to cover tape

### Double Splice Tape:

Double Splice Tape is used to splice 8mm to 24 mm SMD carrier tapes without Splice Tool. The raised dots on the clear splice tape carrier engage with the sprocket holes in the SMD tape. First peel off the opaque paper and engage the dots with the sprocket holes from the cover tape sides. Press to attach the yellow splice tape. Then fold the second half around the SMD tape. Engage the dots, add a light pressure from both sides and finally remove the clear parts.



**Step 1:** Cut the center of the perforated holes in both the full and empty tape.



**Step 2:** Remove the waste tape



**Step 3:** Align and attach to both tapes



**Step 4:** Fold over from the middle and press tightly to affix adhesive tape to underside





## BLU SPLICING CLIP SOLUTIONS FOR SMT REELS.

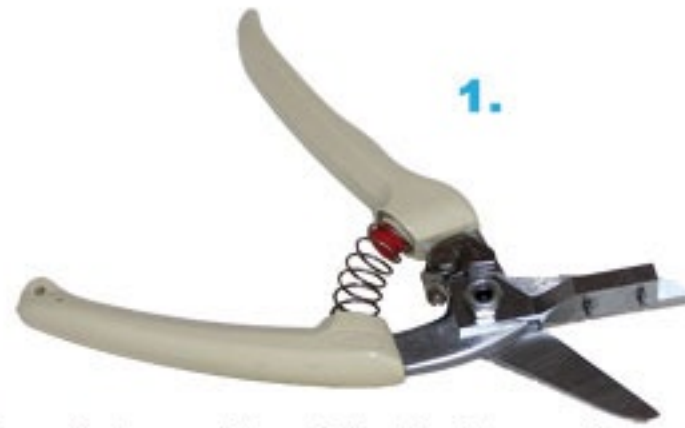
**QUANTITY**500pcs  
500pcs  
500pcs  
500pcs**PART NUMBER**BLUDST08  
BLUDST08B  
BLUDST12B  
BLUDST16B**WIDTH**8mm  
8mm  
12mm  
16mm**DESCRIPTION**Yellow Double Splice Tape  
Black Double Splice Tape  
Black Double Splice Tape  
Black Double Splice Tape**QUANTITY**1000pcs  
1000pcs  
1000pcs  
1000pcs**PART NUMBER**BLUSS08  
BLUSS12  
BLUSS16  
BLUSS24**WIDTH**8mm  
12mm  
16mm  
24mm**DESCRIPTION**Single Antistatic Nitto Splice Tape  
Single Antistatic Nitto Splice Tape  
Single Antistatic Nitto Splice Tape  
Single Antistatic Nitto Splice Tape**QUANTITY**4000pcs  
4000pcs  
4000pcs  
4000pcs  
4000pcs**PART NUMBER**BLUPE08  
BLUPE12  
BLUPE16  
BLUPE24  
BLUPE88**WIDTH**8mm  
12mm  
16mm  
24mm  
8mm**DESCRIPTION**PE Yellow Strong Splice Tape  
PE Yellow Strong Splice Tape  
PE Yellow Strong Splice Tape  
PE Yellow Strong Splice Tape  
PE Yellow Strong Splice Tape**QUANTITY**1000pcs  
1000pcs  
1000pcs  
1000pcs**PART NUMBER**BLUSST08  
BLUSST12  
BLUSST16  
BLUSST24**WIDTH**8mm  
12mm  
16mm  
24mm**DESCRIPTION**Single Yellow Splice Tape With Alignment Strip  
Single Yellow Splice Tape With Alignment Strip  
Single Yellow Splice Tape With Alignment Strip  
Single Yellow Splice Tape With Alignment Strip**QUANTITY**500pcs  
500pcs  
500pcs  
500pcs**PART NUMBER**BLUSSC8  
BLUSSC12  
BLUSSC16  
BLUSSC24**WIDTH**8mm  
12mm  
16mm  
24mm**DESCRIPTION**Single Splice Tape and Integrated Brass Clip  
Single Splice Tape and Integrated Brass Clip  
Single Splice Tape and Integrated Brass Clip  
Single Splice Tape and Integrated Brass Clip**QUANTITY**500pcs  
500pcs  
500pcs  
500pcs**PART NUMBER**BLUCTE08  
BLUCTE16  
BLUCTE24  
BLUCTE32**WIDTH**8/12mm  
16mm  
24mm  
32mm**DESCRIPTION**Antistatic Cover Tape Extenders  
Antistatic Cover Tape Extenders  
Antistatic Cover Tape Extenders  
Antistatic Cover Tape Extenders**QUANTITY**4000pcs  
1pc  
1pc  
1pc  
1pc**PART NUMBER**BLUBSC  
BLUSTA  
BLUSRS3  
BLUSRS1  
BLUSRS2**DESCRIPTION**5 Hole Brass Clip  
Stainless Steel Crimping Tool with black handle.  
Pinned Serated Scissors to assist realignment  
Plain Sharp Pinned Scissors for more accurate cuts  
Plain Sharp Scissors

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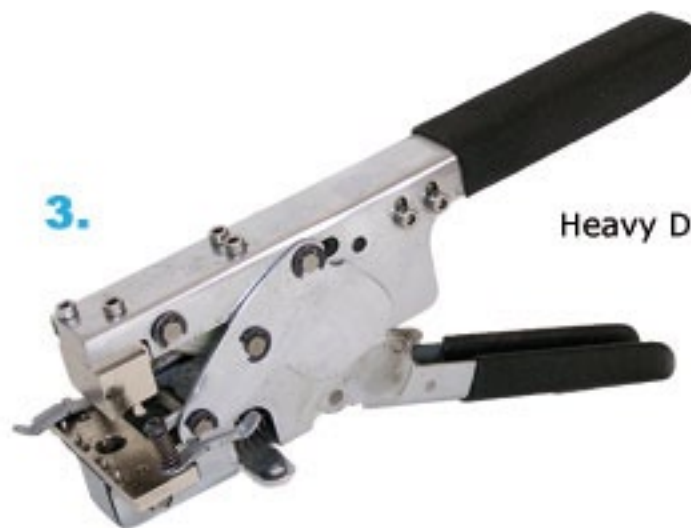
## SPLICING TOOLS



**1.**  
**Plain Sharp Scissors Pinned for Realignment**  
 Accurate cutter of carrier tape always cuts in the correct place because of alignment pins



**2.**  
**Serrated Sharp Scissors Pinned for Realignment**  
 Always cuts in correct place thanks to alignment pins also generates serrated edge for re-aligning before taping.



**3.**  
**Heavy Duty Stainless Steel Crimp Tool**

ITEM No.	PART NUMBER	DESCRIPTION
1.	BLUST100A	Splice scissors
2.	BLUST100B	Splice scissors
3.	BLUSTA	Splice scissors

Blu can provide alternatives to the above tool designs if required. Also available are start-up kits, please discuss with sales staff your individual requirements.



## DRY WIPES




BLU Dry Wipes are made from soft but durable material which will not scratch sensitive surfaces. It is made from highly absorbent non-woven fabrics for cleaning spills or misprints, BLU's range of wipes are low linting and have excellent wetting characteristics. Each wipe is effective both as a dry wipe and in conjunction with BLU cleaning chemistries.



**BLU SMT WIPES**  
**Part Number:** BLUDWSMT300  
**Size:** 9" x 9"  
**Wipes/Pack:** 300



BLU Polyester Cleanroom Wipes (150/pack)  
ESD Coated



**BLU Polyester Wipes**  
**Part Number:** BLU109LE  
**Size:** 9" x 9"  
**Wipes/Pack:** 150





## HIGH TEMPERATURE TAPES AND DOTS

**BLU High Temperature Tape** is a polyimide, pressure-sensitive, adhesive tape with silicone resin, which shows high heat resistance, excellent solvent resistance and excellent dielectric insulation properties. These properties result in a tape with remarkable dimensional stability and excellent electrical and physical properties over a wide range of temperatures. BLU High Temperature Tape is ideal for masking PTH, barreled holes and gold fingers of printed circuit boards during wave solder operation.

**BLU High Temperature Dots** are used for solder wave masking. They are composed of a polyimide film masking dots with silicone adhesive on a clear easy-release liner. BLU High Temperature Dots are both flame and chemical resistant.

### ADVANTAGES OF BLU HIGH TEMPERATURE TAPE

- ESD Safe ensure component safety
- Offers optimal performance in electrical and thermal insulation.
- Highly resistant to heat and dimensionally stable
- Puncture and tear resistant at high temperatures.
- Flame Retardant, flux and solder resistant
- High temperature silicone adhesive allows for no cleaning
- High film to adhesive bond means no residue which increases productivity



High Temperature Dots come in rolls of 1000.

Item	DIN Value	ASTM Value	Time
Structure	Silicone Adhesive Polyimide Film	Silicone Adhesive Polyimide Film	
Base Film Thickness	.025mm	1.0MIL	
Total Thickness	.70mm	2.8MIL	
Peel Strength	2.7N/cm	25oz/in	
Tensile Strength	40N/cm	22lbs/in	
Elongation	50%	50%	
Heat Resistance-Short Term	290°C	554°F	5mins Oven
Heat Resistance-Long Term	230°C	446°F	1hr Oven
Chemical Resistance	Good	Good	20% HCl, NaOH/20hrs
Appearance	Amber	Amber	

Blu Polyimide Tape is available in other sizes and custom roll widths and dot widths also.

PART NUMBER	DESCRIPTION		
BLUKT5	Polyimide Tape	5mm	x 33m
BLUKT10	Polyimide Tape	10mm	x 33m
BLUKT12	Polyimide Tape	12mm	x 33m
BLUKT15	Polyimide Tape	15mm	x 33m
BLUKT19	Polyimide Tape	19mm	x 33m
BLUKT25	Polyimide Tape	25mm	x 33m
BLUKD8	Polyimide Dots	8mm	x 1000
BLUKD10	Polyimide Dots	10mm	x 1000
BLUKD15	Polyimide Dots	15mm	x 1000
BLUKT8ESD	ESD Kapton Tape	8mm	x 33m
BLUKT10ESD	ESD Kapton Tape	10mm	x 33m
BLUKT12ESD	ESD Kapton Tape	12mm	x 33m



High Temperature Tapes are 33m long.



## ESD BRUSHES



1.



2.



3.



4.



5.



6.



7.



8.



9.

Conventional brushes can generate high charges in use, they are therefore unsuitable for cleaning ESD sensitive assemblies. Nonetheless it is necessary to remove solder flux and other dirt particularly in SMD assembly where there are high densities of components.

A range of conductive brushes allows through cleaning without the risk of generating static charges. The brush consists of a conductive plastic handle and conductive fibres. Resistance from the tip of the brush to the handle is less than  $1 \times 10^8 \Omega$ . Brushes should be used by operators who are earthed.

ITEM No.	PART NUMBER	DESCRIPTION
1	BLUBPB7H	Paintbrush style seven hole
2	BLUBPB5H	Paintbrush style five hole
3	BLUBPB3H	Paintbrush style three hole
4	BLUBP5M	Paintbrush 5mm
5	BLUBP3M	Paintbrush 3mm
6	BLUBTB60	Antistatic toothbrush 60 mm
7	BLUBTB30	Antistatic toothbrush 30 mm
8	BLUBNBB	Antistatic nailbrush style big
9	BLUBNBN	Antistatic nailbrush style normal





## TWEEZERS

### ANTIMAGNETIC STAINLESS STEEL



<b>3C-SA</b>  • ALL LENGTH (110mm)	<b>3-SA</b>  • ALL LENGTH (120mm)	<b>SS-SA</b>  • ALL LENGTH (140mm)	<b>OO-SA</b>  • ALL LENGTH (135mm)
<b>2A-SA</b>  • ALL LENGTH (120mm)	<b>2B-SA</b>  • ALL LENGTH (120mm)	<b>5-SA</b>  • ALL LENGTH (110mm)	<b>4-SA</b>  • ALL LENGTH (110mm)
<b>7-SA</b>  • ALL LENGTH (120mm)	<b>AA-SA</b>  • ALL LENGTH (125mm)	<b>2-SA</b>  • ALL LENGTH (125mm)	<b>34-SA</b>  • ALL LENGTH (120mm)

ITEM No.	PART NUMBER	LENGTH
	BLUESD10	110 mm
	BLUESD12	120 mm
	BLUESD13	140 mm
	BLUESD14	135 mm
	BLUESD15	120 mm
	BLUESD16	120 mm
	BLUESD17	110 mm

ITEM No.	PART NUMBER	LENGTH	
	3C-SA	BLU3CSA	110 mm
	3-SA	BLU3SA	120 mm
	SS-SA	BLUSSSA	140 mm
	OO-SA	BLU7SA	120 mm
	AA-SA	BLUAASA	125 mm
	2-SA	BLU2SA	125 mm
	34-SA	BLU34SA	120 mm
		BLU1SA	110 mm
		BLU102SA	115 mm

### ESD COATED ANTIMAGNETIC STAINLESS STEEL



<b>ST-10</b> • Non-magnetic  • Anti-static (110mm)	<b>ST-13</b> • Non-magnetic  • Flat and Round (115mm)
<b>ST-11</b> • Non-magnetic  • Fine tip straight (140mm)	<b>ST-14</b> • Non-magnetic  • Super fine tip straight (110mm)
<b>ST-12</b> • Non-magnetic  • Fine tip straight (135mm)	<b>ST-15</b> • Non-magnetic  • Fine tip curved (120mm)

ITEM NO.	PART NUMBER	LENGTH
ST-10	BLUST10	110 mm
ST-12	BLUST12	110 mm
ST-13	BLUST13	120 mm
ST-14	BLUST14	115 mm
ST-15	BLUST15	120 mm
ST-16	BLUST16	125 mm





## EARTH BOND POINT

### Connectors

2x4 mm banana  
2x10 mm stud male



PART NUMBER	DESCRIPTION
BLUESB4S	Earth Bond Point

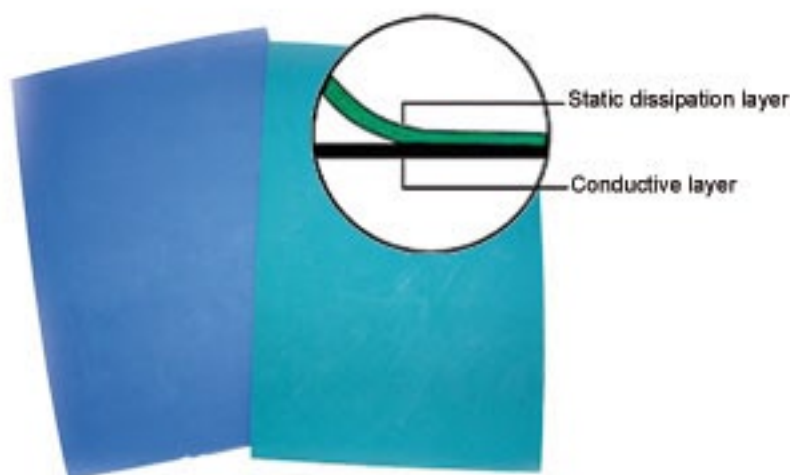
## TABLE MATS

### 2 Layer Antistatic Work Surface Matting

Anti-static table matting or conductive ground matting should be used on tabletops to eliminate damage caused by static electricity. When anti-static table mats (ground mats) are laid out and grounded, the working surface will discharge the static electricity of human bodies so that a zero potential can be maintained for ESD tweezers, tools, utensils and instruments, through which human bodies contact the static sensitive devices.

Anti-static mats are made of anti-static (conductive) and static-dissipative materials and synthetic rubber. The surface layer is a 0.5mm thick static-dissipative layer. The bottom layer is a 1.5mm conductive layer. The available color is blue and in both gloss and matt.

1. Resistivity of surface layer  $5 \times 10^7$
2. Resistivity of bottom layer  $5 \times 10^5$
3. Time for static dissipation  $< 0.5s$
4. Length, width, thickness and colors are selectable
5. Thickness 2mm
6. 1.2 m Wide 10m Long



PART NUMBER	DESCRIPTION	SPECIFICATIONS / PACKAGE
BLUBMM (Matt)	2 Layer ESD Surface Matting	1.2m x 10m Roll
BLUBMG (Gloss)	2 Layer ESD Surface Matting	1.2m x 10m Roll
	Please call for Custom Width and Length	





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