



Electronics solutions

Laptops





# Scapa laptop solutions

Scapa has strong partnerships across the world with top tier electronics OEM's and component suppliers, providing a broad portfolio of technical adhesive systems used in the manufacture and assembly of consumer electronics, telecommunication devices and medical diagnostic/monitoring equipment. With manufacturing sites in Asia, Europe and North America, our worldwide service, supply chain and R&D teams make Scapa a leader in partnering with global electronics customers.

Laptop manufacturing requires specialised adhesive systems to address the constantly changing consumer demands for enhanced Laptop design, construction, functionality and performance. Scapa offers a wide variety of adhesives, technical tape products and modules custom designed for Laptops with an aim to work with our partners and provide the right solutions to achieve design and manufacturing goals. Scapa's products can elevate the portability and slim design of state of the art Laptops and can be manufactured and delivered in a style that meets the design requirements of manufacturers and consumers.



## Product applications

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|---|--|
| <b>1</b> Logo, labeling, and aesthetic mounting | <b>7</b> Display shock absorption & gasket bonding |
| <b>2</b> LCD and display bonding                | <b>8</b> Component fixing                          |
| <b>3</b> Mesh, foil, and film bonding           | <b>9</b> EMC/EMI bonding solutions                 |
| <b>4</b> Adhesives for touchscreen and display  | <b>10</b> Light blocking products                  |
| <b>5</b> Shock absorption                       | <b>11</b> Thermal management                       |
| <b>6</b> Optically clear adhesives              |  |



## 1. Logo, labeling, and aesthetic mounting

From labels, graphics, and decals to part mounting, Scapa offers a wide variety of products to meet bonding needs on many substrates.

- Foam tapes for shock absorption and gap filling
- Thin transfer adhesives with strong bonding features
- Versatile tapes for bonding onto many types of substrates
- Adhesives for LSE surfaces

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
AS191KB	Acrylic Foam Tape (AFT)	Acrylic	0.40	0.016	Good on low surface energy (LSE) substrates
NB6151	Tissue	Acrylic	0.13	0.005	High adhesion
TF650	None	Acrylic	0.05	0.002	Transfer adhesive
U863	None	Acrylic	0.05	0.002	Transfer adhesive

## 2. LCD and display bonding

Scapa's range of adhesives and foam tapes are ideal for LCD assemblies. The foam tapes offer light blocking, shock absorption, and cushioning features.

- A broad range to suit most LCD and display applications
- AFT for good water resistance and durability
- PE for good shock absorption
- Foam tapes with thermal conductive properties are available

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
AS709xxB Series	Acrylic foam film tape (AFFT)	Acrylic	0.15 - 0.30	0.006 - 0.012	Good on low surface energy (LSE) substrates
AS1Dx0 Series	Thermal conductive acrylic foam tape	Acrylic	0.15 - 0.25	0.006 - 0.012	LED array in display; heat sink bonding; Fluorescent lamps in LED systems; back chassis display
AS193KB	Acrylic Foam Tape (AFT)	Acrylic	0.64	0.025	Good on low surface energy (LSE) substrates
B5036	Black PE foam	Acrylic	0.25	0.010	Black in colour for light blocking functions
DT3000DB	Black polyolefin foam	Acrylic	0.30 - 0.40	0.012 & 0.016	Black in colour for light blocking functions



### 3. Mesh, foil, and film bonding

With a wide range of single and double sided tapes, Scapa products are ideal for bonding layers together. Differential tapes enable reworkability during the assembly process.

- Removable
- Easy handling
- High initial tack for positioning
- Ultra thin

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
S301	UPVC	Acrylic	0.22	0.009	Exceptionally high tack and peel strength
4403	PVC	Acrylic	0.24	0.009	High initial tack
DT8010	PET	Acrylic	0.01	0.0005	Ultra thin
1801	Kapton (polyimide)	Silicone	0.07	0.003	High temperature protection and UL <sup>®</sup> recognised component in insulating devices and materials according to UL510, file number OANZ. E103655.

### 4. Adhesives for touchscreen and display

Scapa offers adhesives and foam tapes perfect for touchpad assemblies. The foam tapes offer light blocking, shock absorption, and cushioning features. Conformable tissue tapes are offered for surfaces that are uneven.

- Space saving and competitive
- High adhesion
- Optimal for a variety of surface types
- Conformable for uneven surfaces

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
A8050-12	PET	Acrylic	0.04	0.002	High bond strength
SP407T	Tissue	Acrylic	0.10	0.004	Aggressive acrylic adhesive
5669	PU foam	Acrylic	0.4	0.0157	High product precision

## 5. Shock absorption

From labels to rubber foot mounting, aggressive and permanent adhesives are required. From labels, graphics and decals to part mounting, Scapa offers a wide variety to meet bonding needs on many substrates.

- Thin transfer adhesives with strong bonding features
- LSE specific adhesives
- Versatile tapes for bonding onto many types of substrates
- Conformable

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
SP507T	Tissue	Acrylic	0.14	0.006	Good on low surface energy (LSE) substrates

## 6. Optically clear adhesives

Crystal clear gel adhesive that is used for bonding various transparent materials. The tape continues to perform in extreme environments including high temperature and high humidity conditions. New gel polymer can be die-cut to specific requirements, providing high tack with easy handling to ensure an accurate and smooth application.

- Easy to handle
- Optimal material bonding
- For transparent material bonding
- Ideal for touch screen panels and optical components

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
SOA-U1050MH	None	Acrylic	0.05	0.002	Optically clear adhesive (OCA)

## 7. Display shock absorption & gasket bonding

Scapa offer adhesives and foam tapes for LCD assemblies. The foam tapes offer light blocking, shock absorption and cushioning features. These materials can also be used for gaskets.

- A wide range of products for a variety of applications
- AFT for good water resistance and durability
- PE for good shock absorption
- Removable Acrylic Foam Film Tape (AFFT) is available

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
A8020	PET	Acrylic	0.02	0.001	Ultra thin
AS75250B	PET	Acrylic foam	0.50	0.020	Black in colour for light blocking functions

## 8. Component fixing

From labels, graphics, and decals to component mounting, Scapa offers a variety of solutions to meet bonding needs on many substrates.

- Ideal for shock absorption and gap filling
- Thin transfer adhesives with strong bonding features
- Versatile tapes for bonding onto many substrates
- Differential double coated tapes

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
S305	PET	Acrylic & rubber	0.06	0.003	One removable side, one permanent side
S159	PET	Acrylic	0.07	0.003	One removable side, one permanent side
S268	PET	Acrylic	0.07	0.003	One removable side, one permanent side

## 9. EMC/EMI bonding solutions

Scapa's range of electrically conductive tapes offer grounding and shielding solutions.

- Differential conductive tapes for reworkability
- Conductive non-woven and woven tapes are available
- Wave absorber materials are also available
- Very low resistivity

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
ETW0-11-N-110	Electrically conductive non-woven	Electrically conductive acrylic	0.11	0.004	Electrically conductive in xyz directions
ETFF-0300	Electrically conductive PU foam	Electrically conductive acrylic	3.00	0.118	Electrically conductive in xyz directions
ETFF-0030	Electrically conductive PU foam	Electrically conductive acrylic	0.30	0.012	Electrically conductive in xyz directions
ECO11-120	Electrically conductive polyolefin foam	Electrically conductive acrylic	1.20	0.047	Electrically conductive in xyz directions
ECO01-020	Electrically conductive polyolefin foam	Electrically conductive acrylic	0.20	0.008	Electrically conductive in xyz directions
S1078	Copper foil	Electrically conductive acrylic	0.09	0.004	Electrically conductive in xyz directions
S1139	Copper foil	Electrically conductive acrylic	0.10	0.004	Electrically conductive in xyz directions
EAPG00-0500	Various	Acrylic	0.50	0.020	Wave absorber
U891	None	Electrically conductive acrylic	0.05	0.002	Excellent z direction conductivity



## 10. Light blocking products

Multi purpose tapes are available. These fill gaps, block light and provide gasketing.

- Black foam tapes are available for light blocking functions
- Provides good shock absorption
- Soft to denser foams from AFT to polyolefin
- Ultra thin foam tapes

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
DT3000B	Black polyolefin foam	Acrylic	0.30 & 0.40	0.012 & 0.016	Black in colour for light blocking functions
5669	Black PU foam	Acrylic	0.40 & 0.80	0.016 & 0.031	Black in colour for light blocking functions

## 11. Thermal management

Scapa's thermal conductive tapes are used to dissipate heat. The heat sink range of tapes is ideal when space is limited.

- Good conductivity
- Multi-functional
- Cushioning functionality
- Very versatile

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
AS1CxK	Thermal conductive acrylic foam tape	Acrylic	0.4 - 1.0	0.016 - 0.039	Thermally conductive
TRS CU035AF-055	Copper foil	Acrylic	0.06	0.002	Thermally conductive
THS005	Copper foil	Acrylic	0.05	0.002	Thermally conductive
TIG series	Silicone gel	Light natural tack	0.20 - 2.0	0.008 - 0.787	Thermally conductive

## Global Presence

### Scapa America

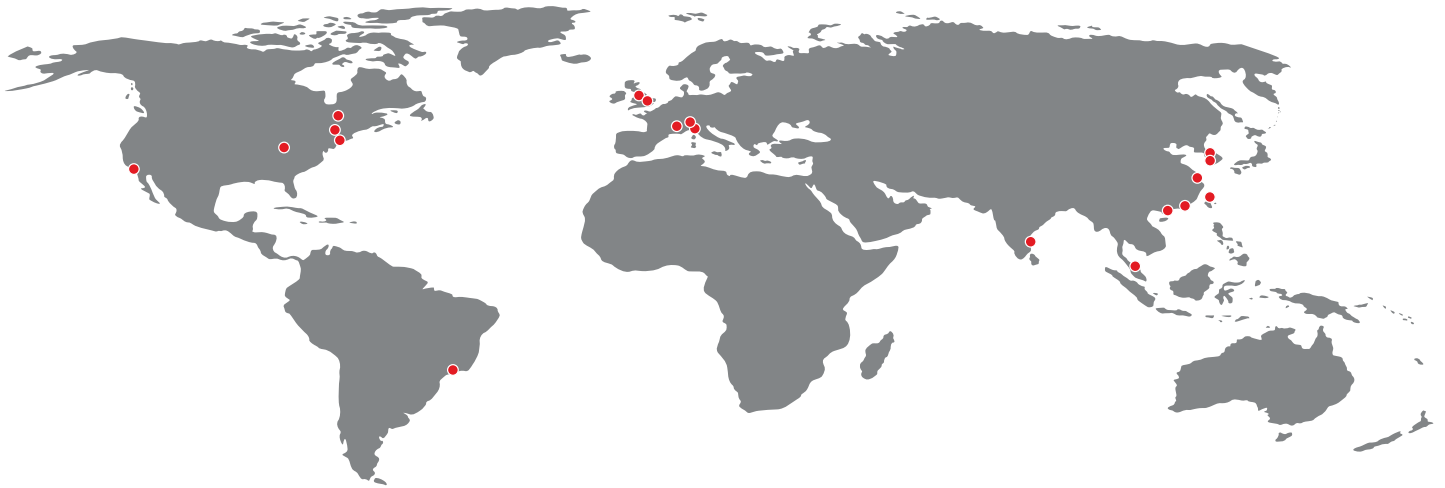
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China, Hong Kong  
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China, Shenzhen  
India, Chennai  
Korea, Cheongyang-Koon  
Korea, AnYang-City  
Malaysia, Shah Alam  
Taiwan, Taipei



### Scapa North America

Tel: +1 860 688 8000

### Scapa South America

Tel: +55 11 2589 6003

### Scapa Europe

Tel: +44 (0)161 301 7400

### Scapa Asia

Tel: +852 2439 4330

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**scapa.com**  
sales@scapa.com