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Welcome



Vacuum Bagging Films



Breather & Bleeder Fabrics



Release Fabric & Peel Ply



Combo-Tech Products



Pressure Sensitive Tapes



Sealant Tapes



Vacuum Valves & Hoses







Airtech Innovations



Airseal 2T Vacuum bag sealant tape

Airseal 2T is a cost-effective vacuum bag sealant tape for room and medium temperature applications. Airseal 2T has excellent tack, firm feel, good clean-up and long shelf life.



Econostitch® Release fabric / peel ply

Econostitch® is a heat set and scoured nylon peel ply with red tracers which make this peel ply more visible before and after a cure, reducing the possibility of being left on the part.

EconoTape 1

Low-cost tape

EconoTape 1 is an inexpensive, multipurpose, silicone-based adhesive, pressure sensitive tape. This tape can be used for holding down vacuum bagging materials, thermocouples, and other lay-up items.



Flashbreaker® 1 Cut strips with pull tab

Flashbreaker® tapes are high strength polyester films coated with a silicone adhesive available as precision cut strips of tape on a liner, available 1" x 2". Flashbreaker®1 is on poly liner with "pull-tabs".





Combo-Tech technology from Airtech combines materials for great labour savings during layup process.
GlasTech N10ES combines heavy weight Airweave® N10 breather with the Econostitch® release fabric.



GlasTech N4ESBreather/ Release fabric Combo

GlasTech N4ES combines Airweave® N4 breather with the Econostitch® release fabric using Combo-Tech technology from Airtech.

Combination of products are applied in one operation as opposed to applying one layer at a time.



Vac-Gauge 40D is a versatile digital vacuum gauge used for leak detection and vacuum determinations under your vacuum bag. The digital gauge offers vacuum readings in four selectable units: mBar, mmHg, inHg, and KPa.



Airflow 65R All-purpose hose

Airflow 65R can be used as an autoclave or oven hose. The outer ply is silicone rubber that encases a flexible steel tube that prevents collapse and hose separation. The bell-shaped ferrule helps hose lacerations at fitting ends extending hose life.













Vacuum Bagging Films









Airtech manufactured vacuum bag films made for glass lamination

Wrightlon® 7400 - 0.002" Lay-Flat Tubing

Maximum Use Temperature	Elongation	Tensile Strength	Roll Sizes (Inches)	Roll Sizes (Metric)
204°C	400%	55 MPa	0.002" x 36" LFT x 1000ft	50 μm x 914mm LFT x 304m

Benefits

Wrightlon® 7400 is a high temperature nylon film with high elongation which is suitable for laminating processes up to 204°C. Wrightlon® 7400 has been a reliable, economic choice for the glass industry consistently since its introduction.

Roll Sizes (Inches)	Roll Sizes (Metric)
0.002" x 36" LFT x 1000ft	50 μm x 914mm LFT x 304m
0.002" x 48" LFT x 1000ft	50 μm x 1.22m LFT x 304m
0.002" x 54" LFT x 1000ft	50 μm x 1.37m LFT x 3 04m
0.002" x 60" LFT x 1000ft	50 μm x 1.52m LFT x 304m
0.002" x 72" LFT x 750ft	50 μm x 1.83m LFT x 228m
0.002" x 80" LFT x 750ft	50 μm x 2.03 m LFT x 228 m
0.002" x 90" LFT x 750ft	50 μm x 2.28m LFT x 228m
0.002" x 120" CF x 500ft	50 μm x 3.05 m LFT x 152m
0.002" x 140" CF x 500ft	50 μm x 3.56m LFT x 152m



Wrightlon® 7400 - 0.003" Lay-Flat Tubing

Maximum Use Temperature	Elongation	Tensile Strength	Roll Sizes (Inches)	Roll Sizes (Metric)
204°C	400%	55 MPa	0.003" x 36" LFT x 750ft	75 μm x 914mm LFT x 228m
Benefits			0.003" x 48" LFT x 750ft	75 μm x 1.22m LFT x 228m

Wrightlon® 7400 is a high temperature nylon film with high elongation which is suitable for laminating processes up to 204°C. Wrightlon® 7400 has been a reliable, economic choice for the glass industry consistently since its introduction. The thicker 0.003" grade provides more strength and robustness.

elongation which is suitable for laminating processes up to 204°C. Wrightlon® 7400 has been a reliable, economic choice for the glass industry consistently since its introduction. The thicker 0.003" grade provides more strength and robustness

Roll Sizes (Inches)	Roll Sizes (Metric)
0.003" x 36" LFT x 750ft	75 μm x 914mm LFT x 228m
0.003" x 48" LFT x 750ft	75 µm x 1.22m LFT x 228m
0.003" x 54" LFT x 750ft	75 µm x 1.37m LFT x 228m
0.003" x 60" LFT x 600ft	75 μm x 1.52m LFT x 182m
0.003" x 72" LFT x 500ft	75 μm x 1.83m LFT x 152m
0.003" x 80" LFT x 500ft	75 µm x 2.03m LFT x 152m
0.003" x 90" LFT x 500ft	75 µm x 2.28m LFT x 152m
0.003" x 120" LFT x 500ft	75 µm x 3.05m LFT x 152m
0.003" x 140" LFT x 500ft	75 μm x 3.56m LFT x 152m



Wrightlon® 7400 - 0.004" Sheeting

Maximum Use Temperature Elongation Tensile Strength 204°C 400% 55 MPa					
		Roll Sizes (Inches)	Roll Sizes (Metric) / Film Width		
		55 MPa	0.004" x 54" SHT x 650ft	100 μm x 1.37m SHT x 200m	
Benefits				0.004" x 60" SHT x 650ft	100 μm x 1.52m SHT x 200m
	Wrightlon® 7400 is a high t	emperature nylon	film with high	0.004" v 84" SHT v 750ft	100 um v 212m SHT v 228m



CF=Centerfold *SHT=Sheeting



100 µm x 2.13m SHT x 228m

- Other products are available, please visit www.airtech-amg.co.uk for full product selection.
- Other sizes and forms (e.g. Centerfold CF, Sheeting SHT) are available please contact your Airtech customer service representative for complete

0.004" x 84" SHT x 750ft





sales@airtech-amg.co.uk

Breather & Bleeder Non-woven fabrics for edge protection

1.52m x 100m

1.52m x 50m

60" x 109 yards

60" x 55 yards

Airweave® N4

Maximum Use Temperature	Fibre Type	Weight	Roll Sizes (Inches)	Roll Sizes (Metric)	
204°C	Polyester	140 g/m²	3" x 109 yards	75mm x 100m	
Benefits		4" x 109 yards	100mm x 100m		
Airweave® N4 is a lightweig be supplied in 152m wide m		6" x 109 yards	150mm x 100m		



Airweave® N10

Maximum Use Temperature	Fibre Type	Weight	Roll Sizes (Inches)	Roll Sizes (Metric)
204°C	Polyester	339 g/m²	3" x 55 yards	75mm x 50m
Benefits		4" x 55 yards	100mm x 50m	
Airweave® N10 is a heavy w		6" x 55 yards	150mm x 50m	

and vacuum distribution. Its heavier construction will protect glass edges and vacuum bag films from damage on sharp edges. It can be supplied in 1.52m wide master rolls or in slit widths.

Note: Slit widths can be supplied subject to a minimum order equivalent to 1 full

Note: Slit widths can be supplied subject to a minimum order equivalent to 1 full master roll.

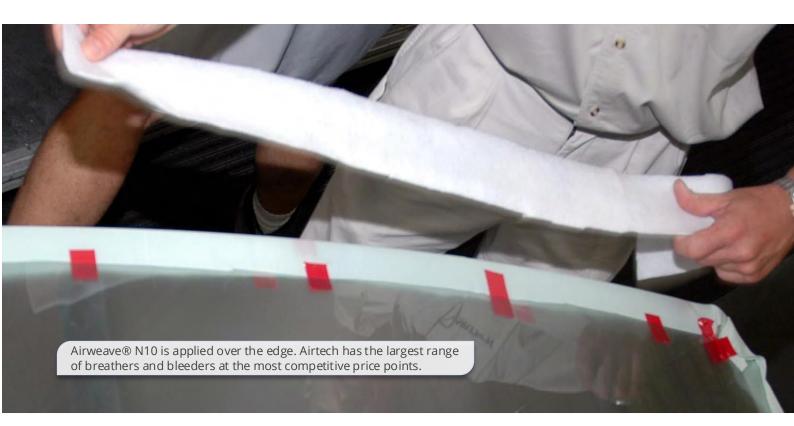
Airstrip PM

reinforced with a metal mesh that conducts airflow.

- 100				
Maximum Use Temperature	Fibre Type	Inner	Roll Sizes (Inches)	Roll Sizes (Metric)
204°C	Polyester	Metal mesh		

50mm x 30.5m 2" x 33 yards **Benefits** Airstrip PM is a reusable edge breather made with Release Ply Super F and









1.52m x 91m

1.52m x 274m

1.80m x 200m

60" x 100 yards

60" x 300 yards

71" x 218 yards

Release Fabrics & Peel Ply Fabrics to absorb excess adhesive

Econostitch®

Maximum Use Temperature	Fibre Type	Weight	Colour	Roll Sizes (Inches)	Roll Sizes (Metric)
190°C	Nylon	88 g/m²	White / Red Tracer	2" x 218 yards	50mm x 200m
Benefits		4" x 100 yards	100mm x 91m		
Econostitch® is a clean, g		6" x 100 yards	150mm x 91m		



Econostitch® G

and lead time, please contact for details.

absorb excess adhesive and remove cleanly after laminating.

Maximum Use Temperature	Fibre Type	Weight	Colour	Roll Sizes (Inches)	Roll Sizes (Metric)
190°C	Polyester	85 g/m²	White / Black Tracer	2" x 218 yards	50mm x 200m
Benefits		4" x 218 yards	100mm x 200m		
Econostitch® G is a clear	n, good quality, econor	6" x 218 vards	150mm x 200m		

black tracers with high visibility. Econostitch® G will absorb excess adhesive and remove cleanly after laminating.

Note: Slit width sizes are available but may be subject to minimum order quantity

Note: Slit width sizes are available but may be subject to minimum order quantity

Note: Slit width sizes are available but may be subject to minimum order quantity and lead time, please contact for details.



Econolease

Maximum Use Temperature	Fibre Type	Thickness	Colour	Roll Sizes (Inches)	Roll Sizes (Metric)
204°C	Nylon	61 g/m ²	Light blue		

Benefits 60" x 100 yards 1.52m x 91m

Econolease is a silicone treated nylon peel ply which can be removed much more easily after laminating. Econolease will absorb excess adhesive and remove cleanly after laminating.

Note: Slit width sizes are available but may be subject to minimum order quantity and lead time, please contact for details.

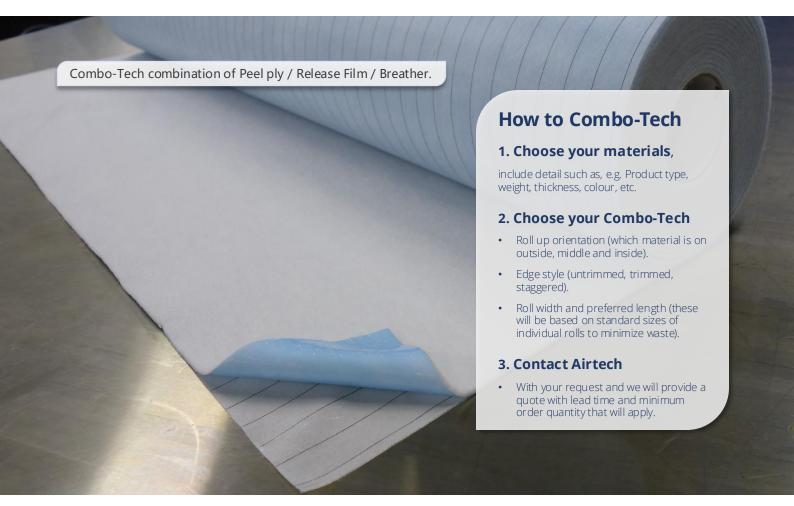








Combo-Tech









Combination materials for glass lamination applications

GlasTech N10ES

Maximum Use Temperature	Breather Type	Release Type	Roll Sizes (Inches)	Roll Sizes (Metric)
190°C	Airweave® N10	Econostitch®	3" x 50 yards	75mm x 45m
Benefits		4" x 50 yards	100mm x 45m	
GlasTech N10ES combines heav	wweight Airweave® N			

GlasTech N10ES combines heavyweight Airweave® N10 breather with the economical Econostitch® release fabric. Great labour savings can be achieved by having combination of products applied in one operation as opposed to applying one layer at a time.

6" x 50 yards

150mm x 45m

60" x 50 yards

1.52m x 45m



GlasTech N4ES

opposed to applying one layer at a time.

Maximum Use Temperature	Breather Type	Release Type	Roll Sizes (Inches)	Roll Sizes (Metric)
190°C	Airweave® N4	Econostitch®	3" x 50 yards	75mm x 45m
Benefits		4" x 50 yards	100mm x 45m	
GlasTech N4ES combines Airwei release fabric using Combo-Tec	h technology from Ai	6" x 50 yards	150mm x 45m	
protector also provides great lab be achieved by having combina	pour savings and redution of products appli	60" x 50 yards	1.52m x 45m	



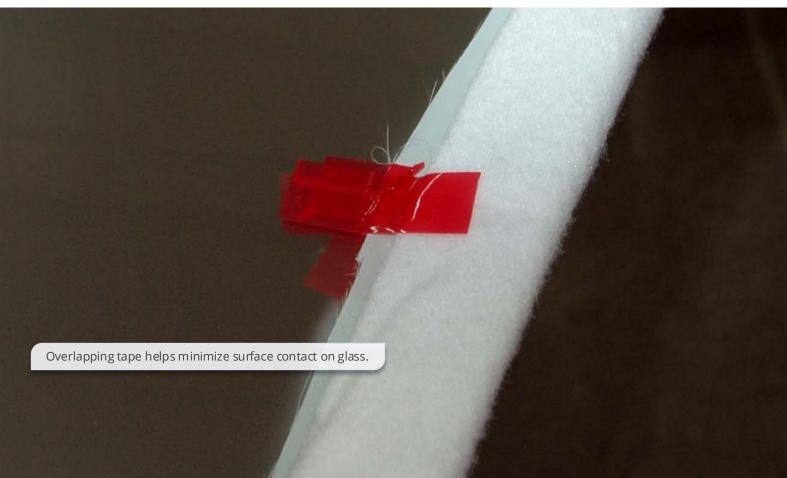






Pressure Sensitive Tapes









Tapes for holding, fixing, masking, releasing and protecting

EconoTape 1

177°C Polyester	Silicone	Green	

Benefits 1" x 72 yards 25mm x 66m

EconoTape 1 is an inexpensive, multipurpose, silicone-based adhesive, pressure sensitive tape. This tape can be used for holding down vacuum bagging materials. EconoTape 1 can be used for room temperature to 177°C applications.

2" x 72 yards 50mm x 66m



Flashbreaker® 1

Maximum Use Temperature	Carrier Type	Adhesive Type	Colour	Roll Sizes (Inches)	Roll Sizes (Metric)
204°C	Polyester	Silicone	Blue / Orange		

Benefits 1" x 72 yards

Flashbreaker® tapes are high strength polyester films coated with a silicone adhesive for cures up to 204°C. Flashbreaker® pressure sensitive tapes are used for multi-purpose functions such as holding down vacuum bagging materials. Flashbreaker® tapes remove easily after laminating.





Flashbreaker® 1 Cut strips with pull tab

Maximum Use Temperature	Carrier Type	Adhesive Type	Colour	Roll Sizes (Inches)	Roll Sizes (Metric)
204°C	Polyester	Silicone	Blue / Orange		
Benefits				1" x 72 vards	25mm x 66m

Precision cut strips of tape on a liner, available 1" x 2". Flashbreaker®1 is on poly liner with "pull-tabs".







Flashbreaker® 2R (HT)

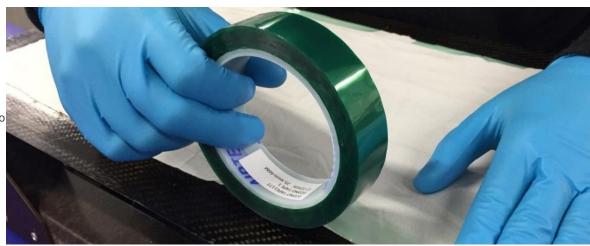
Maximum Use Te	emperature	Carrier Type	Adhesive Type	Colour	Roll Sizes (Inches)	Roll Sizes (Metric)
204°C		Polyester	High tack rubber	Red		

Benefits 1" x 36 yards 25mm x 33m Flashbreaker® 2R (HT) is a polyester pressure sensitive tape coated with a high tack, non-silicone 2" x 36 yards

adhesive. Flashbreaker® 2R (HT) is a superior tape for holding down non-woven breather materials. Flashbreaker® 2R (HT) has high temperature capabilities, making it a good choice for oven or autoclave laminating to 204°C.



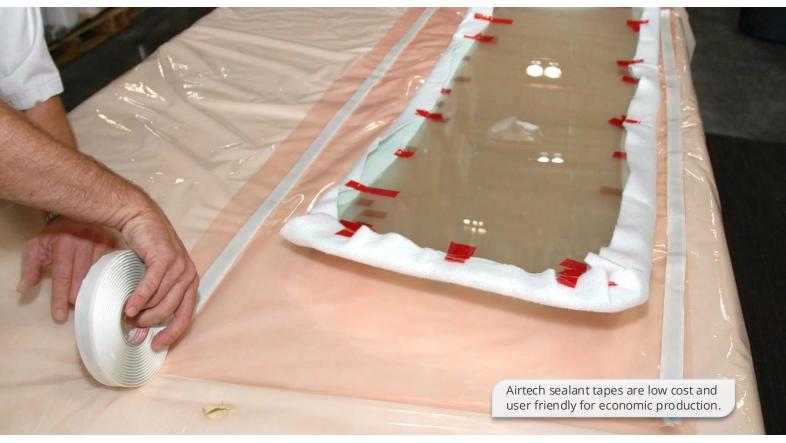
- Other products are available, please visit www.airtechamg.co.uk for full product selection.
- Other sizes are available on special order, please contact yo Airtech customer service representative for complete details.







Vacuum Bag Sealant Tapes









Tapes for airtight sealing of vacuum bags

VBS 120

Maximum Use Temperature	Colour	Base Material	Tack Level	Roll Sizes
120°C	Black	Synthetic rubber	Good tack	

Benefits 3mm x 12mm x 15m

VBS 120 is an economical multi-purpose sealant tape with high tack. Suitable for laminating applications up to 120°C.



Airseal 2T

Maximum Use Temperature	Colour	Base Material	Tack Level	Roll Sizes
180°C	Black	Synthetic rubber	High tack	3mm x 12mm x 15m

Benefits

Airseal 2T is a cost effective vacuum bag sealant tape for room and medium temperature applications. Airseal 2T has excellent tack, firm feel, good clean-up and long shelf life. Airseal 2 Tacky has superior tack for colder environments.

3mm x 9mm x 15m 2mm x 10mm x 20m 2mm x 7mm x 20m



AT-200Y

Maximum Use Temperature	Colour	Base Material	Tack Level	Roll Sizes
204°C	Yellow	Synthetic rubber	High tack	

Benefits 3mm x 12mm x 7.6m

AT-200Y is an economical multi-purpose sealant tape with high tack. It is suitable for laminating applications up to 204° C.











Vacuum Valves & Hoses



Vac Valve 401C

Maximum Use Temperature	Material	Size
260°C	Cast aluminium	

1/4 inch male BSP **Benefits**

Vac Valve 401 series is a twist lock through bag connector designed to work with our AQD 500TF quick disconnects. In combination with our AQD 500 quick disconnects, these vac valves have been used successfully at major aircraft companies holding full vacuum and pressure up to 15 bars at temperatures up to 260°C.



Premium Multi-Valve 407

Maximum Use Temperature	Material	Size
260°C	Stainless steel	
Benefits	1/4 inch	

The solid body design of the Premium Multi-Valve 407 combines the male quick disconnect and thru-bag connector, eliminating threaded connections and potential leak paths. Robust stainlesssteel construction ensures corrosion resistance and long life. High temperature O-ring and platinum cured silicone gasket give a long service. It is fully compatible with 1/4" ISO-B "Hansen" style quick-disconnects. The valve mechanism and O-ring seals can easily be replaced to extend



Vac Valve 509

Maximum Use Temperature	Material	Size
260°C	Aluminium base plate & carbon steel top piece	

1/4 inch BSP **Benefits**

Vac Valve 509 is a 2-piece vacuum valves which perforate the bagging film when the top piece is inserted and threaded into the base plate. The specific design of the threaded connection eliminates the need to cut the bagging film prior to inserting the top piece.



AQD 500TF Quick disconnect plug & socket

Maximum Use Temperature	Material	Size
260°C	Carbon steel	
Benefits		1/4 inch BSP

The AQD 500TF quick disconnect couplings are made of high carbon steel that have been plated

to halt oxidation. The couplings have internal valves so when disconnected the airflow is shut off in both plug and socket. This means your vacuum bag holds vacuum even after the vacuum hose has been disconnected.







For workshop, oven & autoclave

5m

5m

VH 210

Maximum Use Temperature	Material	Size	Hose Length
210°C	Silicone rubber / Galvanised steel	0.25 inch BSP	2m

Benefits 3m

VH 210 hoses are an economical, strong, silicone tube supported internally by a steel spring that can come supplied in any length up to 10 m.



VH 210R

Maximum Use Temperature	Material	Size	Hose Length
232°C	Reinforced silicone rubber / Galvanised steel	0.25 inch BSP	2m
Popofits			3m

Benefits 3n

VH 210R vacuum hose is a robust and durable fibre reinforced version of VH 210.

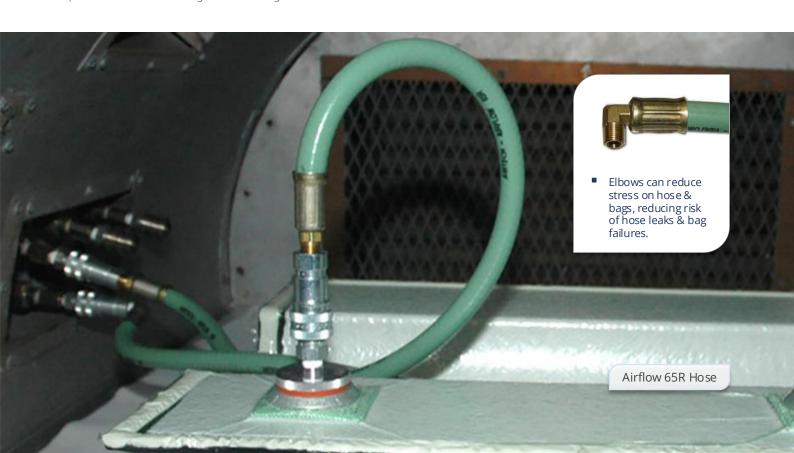


Airflow 65R

Maximum Use Temperature	Material	Size	Hose Length
232°C	Silicone rubber / Interlocking steel tube	1/4 inch BSP	2m
Benefits			3m

BenefitsAirflow 65R can be used as an autoclave or oven hose. The outer ply is silicone rubber that encases a flexible steel tube that prevents collapse and hose separation. The bell-shaped

ferrule helps hose lacerations at fitting ends extending hose life.









Vacuum Accessories



Vac Gauge 30

Assembly Style	Range	Screw Thread
Screwed	0 - 30 in. Hg (0 - 100 KPa)	

Benefits 1/4 inch male NPT

Vac-Gauge 30 is our durable, inexpensive vacuum gauge to determine how much vacuum is under your vacuum bag. A heavy ridged blue rubber jacket protects the gauge from damage in normal shop use. The Vac-Gauge 30 stem is a 1/4 inch male NPT fitting that fits easily into our Airlock 450TF & 550TF and AQD quick disconnects.



Vac Gauge 40D

Assembly Style	Range	Screw Thread
Screwed	0 - 30 in. Hg (0 - 100 KPa)	

Benefits

Vac-Gauge 40D is a versatile digital vacuum gauge used for leak detection and vacuum determinations under your vacuum bag. The gauge offers vacuum readings in four selectable units: mBar, mmHg, inHg, and KPa. A heavy-duty rubber jacket protects the gauge from



Vac Saver HT One way check valve

fitting that fits easily into our Airlock 450TF & 550TF and AQD quick disconnects.

Service Temperature	Material Type	Material Type Seals	Screw Thread
200°C	Anodized aluminium	Fluorocarbon	



Renefits

Vac Saver HT is a one-way check valve used to protect vacuum bagged parts against vacuum loss. Vac Saver HT protects against back pressure when multiple lines are connected to a single vacuum source. In case of a vacuum loss in a part which is connected to the same vacuum source, the Vac Saver HT closes automatically and protects parts against vacuum loss. Vac Saver HT can be used in combination with our quick disconnectors like AQD 500TF, Airlock 450TF or 550TF and our Airflow vacuum hoses.

damage in normal shop use. The Vac-Gauge 40D connection stem is a 1/4-18 inch NPT thread

1/4 inch male NPT



VacLeak LEQ-70 Ultra-sonic leak detector

Frequency Response	Equipment Components	Display
38-42 kHz	Receiver, headphones, hollow probe and carrying case	Ten element bar graph

Benefits

The latest VacLeak LEQ-70 Series 3 is a compact economical vacuum leak detector for finding leaks in vacuum bags, sealant tapes, hoses and fittings. The VacLeak LEQ-70 Series 3 has improved circuitry for 20% more sensitivity to convert the ultrasonic sound produced by leaks to an audible level and also visually display the leak on an LED meter. With clearer sound detect leaks faster than ever before.







For workshop, oven & autoclave

Shop Shears

Derrents
Shop shears are lightweight and stronger than most all metal shears. The Shop shears have larger handles to reduce stress and thicker blades for heavy duty cutting. Shop shears are one of the hardest and smoothest cutting shears available, with approx. 60 HRC, hardened throughout.

Туре	Product Reference	Length	Weight
Straight shears	SS-7205-8	20 cm / 8"	150 g
Straight shears	SS-7230-9	23 cm / 9"	170 g
Straight shears	SS-7250-10	25 cm / 10"	210 g
Straight shears	SS-7280-11	28 cm / 11"	248 g
Straight shears	SS-7300-12	31 cm / 12"	306 g



Electric Cordless Scissors

Туре	Length	Weight	Voltage	Set Components	Purpose
Electric Shears	18.5 cm	220 g	110 v / 220 v	Scissors body	

Benefits

Benefits

The electric scissors are excellent for cutting any kind of films, light weight fabrics including fibreglass, carbon and aramid fabrics. Its ergonomic design and light weight make its use very easy and safe. The short rapid blade action allows intricate and precise cuts. Micro-serrated blades are made of tungsten carbide providing their extra long life. Not recommended for material over 2 mm thick due to short stroke. It operates on long-lasting rechargeable battery or AC.

All purpose short blades assembly for accurate curve cutting

Blades assembly with base plate for stable straight cutting

Transformer

Rechargeable battery

Battery charger

AC adapter



Airsweep

Benefits	
Dellelits	

Airsweep are laminating tools for positioning of vacuum bag materials into corner features and applying pressure to vacuum bag sealant tapes.

Mate rial	Product Reference	Colour	Length
HDPE	Airsweep	White	10cm
UHMW PE	Airsweep R2 (with handle)	White	11.5cm
Nylon	Airsweep R3 (with handle)	Black	11.5cm



Vac Valve Pad A241 MFD & A22C

Thickness	Fibre Type	Roll Sizes (Inches)	Roll Sizes (Metric)
6.35 mm	Multi-layer fibreglass	2" x 2"	5.08 cm x 5.08 cm
Benefits		3" x 3"	7.62 cm x 7.62 cm





10.16 cm x 10.16 cm





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Airtech Customer Service



Global manufacturing & Local Inventories
Delivering Short Lead Times. AAMG: >98% OTD



Customer Service Team Contacts



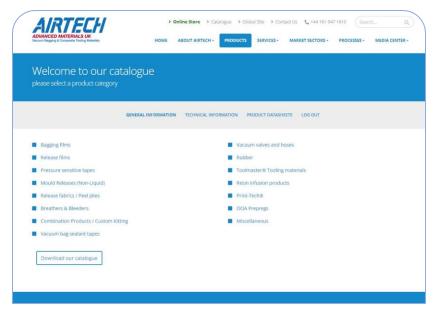
Development, Innovation & Continuous Improvement



Technical Support, Training Workshop & On-site Training Support



Quality System Accreditation



Online Catalogue with Technical Data Sheet & Safety Data Sheet Download



Consignment Stocking & Management Service



Recyclable Packaging





Dedicated to the needs of our customers





Need more information, a quote or a sample?

Please contact our customer service team

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About Airtech

Chadderton, England

www.airtech-amg.co.uk

- Airtech UK (formerly Tygavac) is a division of Airtech Advanced Materials Group, the largest manufacturer of vacuum bagging and composite tooling materials for prepreg/autoclave, resin infusion, and wet lay-up processes up to 799°F (426°C). Our product line consists of: vacuum bagging films, release films, pressure sensitive tapes, mould releases (non-liquid), peel plies, breathers & bleeders, sealant tapes, vacuum bag connectors & hoses, rubber, pressure pads, cutting tools, vacuum leak detectors, shrink tape, PTFE coated fibreglass, tooling prepregs and resins, and carbon and glass reinforcements.
- With 50 years of extrusion experience, we've taken the next step into additive manufacturing. Print-Tech® is our new large scale additive manufacturing or 3D printing tooling service for composites. Large-scale tooling in the form of trim fixtures, holding fixtures, and layup moulds can be designed, tooled, and built faster without compromise quality. Also, we manufacture a full line of <u>Dahltram®</u> tooling and <u>Dahlpram®</u> purging resins.
- Airtech Advanced Materials Group is family owned. We have seven locations strategically placed worldwide: Huntington Beach, California, USA; Chino, California, USA; Springfield, Tennessee, USA; Differdange, Luxembourg; Chadderton, England; Goa, India and Tianjin, China. All of our facilities offer technical assistance and are ready to meet your composite production challenges.
- Airtech is an ISO 9001:2015 / AS9100 Rev. D registered company.

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