

Medical textiles by



Products and Services
Catalogue 2015

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Welcome to our 2015 catalogue, by Mike Lydon, Managing Director Lantor

Dear Customer,

Welcome to our new Lantor product catalogue 2015. For over 55 years, Lantor has offered an extensive and increasing range of non-woven materials, finished products and manufacturing services to the medical devices industry. Our technical expertise in traditional and advanced wound care dressings is well recognized, and we take pride in serving an international blue chip client base. Our products are the result of a strong research and development effort in medical applications and wound care, together with state of the art manufacturing capability.

In orthopaedics and compression, we have converted all of the primary wrapping of our padding bandages to paper to support easy recycling at the point of use. We have also introduced a modern synthetic padding bandage range that meets the double challenge of quality and economy in today's healthcare systems.

In traditional wound care, we offer a wide range of absorbent pads in a variety of weights, absorption rates and prices. Lantor's in-house laminating and coating capabilities allow us to modify pads' properties by laminating nets or foils or adding powders and liquids. These capabilities offer the opportunity to greatly enhance base absorbent pads into medically smarter components.

In advanced wound care, Lantor provides very high quality materials and finished dressings for highly exuding wounds (super absorbents), moist wound therapy (alginates), odour control (carbon), bacterial control (silver, copper and other antibacterials) or haemostasis.

Since 2013, with continued investment, we have expanded our product portfolio with new bandages and finished dressings for a variety of wound conditions, making Lantor a key player in the medical non-woven textile industry. In the growing area of superabsorbent dressings, we have developed a range of materials and material combinations, including superabsorbent particles and superabsorbent fibres.

Furthermore, our R&D capabilities and highly versatile production lines allow Lantor to deal with any specific requirements, so if you have a new design in mind, do not hesitate to contact us.

Lantor is a key provider of an industry leading product portfolio and product development capabilities, offering a world class level of services and customer support to meet and satisfy both your business and customer's needs for dressings in traditional and advanced wound care.

So please enjoy our new catalogue of products, and we look forward to working with you.

Yours sincerely,

Mike Lydon, Managing Director, Lantor UK Ltd

Contents

- Padding and compression bandages..... 4
 - Padding bandages 4
 - Compression bandages..... 4
- Absorbent dressing materials 5
 - Absorbent dressings 5
 - Impregnated absorbent dressings 6
 - Laminated composite absorbent dressings 6
 - Coated absorbent dressings 6
 - Slitting options 7
- Advanced wound care materials 8
 - Alginate material 8
 - Haemostatic dressing material 9
 - Odour control dressing with activated charcoal 9
- Advanced superabsorbent portfolio: 10
- Manufacturing services: a one stop shop for your medical dressing needs 11
 - R&D 11
 - Manufacturing 11
 - Bandage conversion capabilities..... 12
 - Coating..... 12
 - Lamination 12
 - Impregnation 12
 - Slitting..... 12
 - Packaging – semi-finished products 12
 - Packaging – finished products 12
 - Clean rooms 12
 - Sterilization 13
- Under licence wound dressing conversion and packaging..... 13
- Our credentials 13
- Why Lantor? 14
- Contact us..... 14

Padding and compression bandages

Lantor's know-how in non-woven makes us uniquely positioned in the manufacturing of bandages for use as undercast padding or as the padding layer in compression bandage systems.

Padding bandages

Lantor is well recognized within the medical industry and by orthopaedic professionals for the quality and performance of its undercast padding bandages. The construction of the bandage is designed to ease removal of the cast by limiting penetration of the cast material into the padding. It is also extra soft and highly conformable to deliver a smooth finish. Some key characteristics of the Lantor undercast paddings are:

- Strong, yet easy to tear
- High degree of self-adherence for convenient application
- Outstanding cushioning to protect vulnerable areas
- Compression resilience

code	Description	Weight (gsm)	Other features	Application
1651*	100% Viscose	120	Extra absorbent mesh	Orthopaedic padding bandage
1901	100% Synthetic	60 / 80	Extra resilient	Orthopaedic padding bandage
1908*	100% Synthetic	80	Extra Soft	Orthopaedic padding bandage
1909*	100% Viscose	90	Absorbent, Anti-allergic	Orthopaedic padding bandage
1910*	Viscose & Polyester	90	Absorbent and soft	Orthopaedic padding bandage
1960	100% Synthetic	65 / 85	Soft synthetic	Orthopaedic padding bandage

*Autoclavable grades

Compression bandages

Graduated compression is the main available therapy for the prevention of leg ulcers and Lymphoedema. Management of such conditions is performed by multi-layered systems applied over a primary wound contact layer or dressing.

Thanks to our vast experience in non-woven and bandages, Lantor is able to provide top quality components to compression systems manufacturers.

code	Description	Weight (gsm)	Other features	Application
1905	Viscose & Super-Absorbent Fibre	80	Extra Absorbent	Compression systems
1910	Viscose & Polyester	90	Absorbent and soft	Compression systems

Absorbent dressing materials

Today, traditional wound care dressings still account for the majority of products used in professional wound care. Absorbent dressings remain the mainstay of traditional wound care, both for medical and economic reasons. Indeed, when managing exuding wounds, absorbency is the primary dressing requirement. Furthermore, healing of superficial wounds often occurs satisfactorily with simple dry dressings. In traditional dressings, Lantor has well-recognized expertise in crafting absorbent materials by mixing soft viscose and polyester bonded pads, as well as laminating contact layers and, if required, an outside backing layer protecting the wound from external contamination. These materials can be used as is or incorporated into island dressings for professional use in hospital or in first aid plasters.

Lantor's additional capabilities also include **lamination, impregnation and coating lines**, allowing us to modify pads' properties by laminating nets or foils or adding powders and liquids.

Absorbent dressings

code	Description	Weight (gsm)	Other features	Application
1439 B	Viscose & Polyolefin.	85	Moderate Absorbent Conformable base	Base fleece
1439	Viscose & Polyolefin Low adherent Net	102	Moderate Absorbent Low adherent net WCL	Island dressing
471371	Viscose & polyester Low adherent net	102	Moderate Absorbent Low adherent net WCL	Island dressing First aid plaster
1445	Viscose Low adherent Net	140	Absorbent Padding Low adherent net WCL	Island dressing First aid plaster Burn dressing
1460	Viscose & Polyester Low adherent net	269	High Absorbent Low adherent net WCL	Island dressing
1501	Viscose, Polyolefin, Nylon	125	Low absorbent, Low adherent net	Dermatological dressing
1920	Viscose	330	Absorbent Padding	Medical dressing
1930	Viscose & Polyester	180	Absorbent Padding	Medical dressing
460246	Viscose & Polyester Low adherent net	330	Absorbent padding Low adherent net WCL	First aid
460304	Viscose & Fusible	80	Absorbent Padding	Medical dressing
470543	Viscose & Polyester Perforated Polyester film	297	Absorbent and Soft Low adherent net WCL	Medical dressing

Impregnated absorbent dressings

code	description	Weight (gsm)	Additive	Other features	Application
1431	Viscose & Polyolefin Low adherent net Yellow net	106	Domiphen Bromide	Antimicrobial Yellow net	Island dressing First aid
461804	Viscose & Polyolefin Low adherent net	113	Aloe Vera	Antimicrobial Green net	Island dressing First aid
PD004	Viscose & Polyolefin Low adherent net	-	Silver	Antimicrobial	Island dressing First aid

Laminated composite absorbent dressings

code	Description	Weight (gsm)	Special element	Other features	Application
810101	Viscose & Polyester Ag, Aluminium loaded net	106	Silver	Silver wound contact	Island dressing First aid
471409	Viscose & Polyester Aluminium loaded net	114	Aluminium	Aluminium wound contact	First aid
471902	Viscose, Polyester, Polyolefin	214	Aluminium foil	Metal detectable	First aid
461706	Viscose, Polyester, Polyolefin	146	Flesh backing	PE Flesh coloured backing	First aid

Coated absorbent dressings

code	Description	Weight (gsm)	Coating	Other features	Application
PD001	Viscose & Polyester, Low adherent net	-	Silver	Antibacterial	Island dressing First aid
PD002	Viscose & Polyester, Low adherent net	-	Aluminium	Metal detectable	First aid
PD003	Viscose & Polyester Low adherent net	-	Copper	-	First aid

Slitting options

Lantor can deliver its materials in roll stocks of various length and width, to be converted at a later stage.

Lantor can also supply precision and narrow width materials. The final product can be deliver in small conventional rolls or traverse winding onto a bobbin.

Precision slitting width:

in centimetres	in inches
1.1	0.4331
1.2	0.4724
1.7	0.6693
2	0.7874
2.1	0.8268
2.4	0.9449
2.8	1.1028
3.9	1.5354
5	1.9685

If these sizes do not meet your requirements, please contact us and let us know about your specific needs.

Advanced wound care materials

Advanced wound care products aim at treating complex wounds, and primarily, although not exclusively, chronic wounds. Chronic wounds are non-healing wounds, meaning they have not proceeded through an orderly and timely healing process to produce anatomic and functional integrity after 6 weeks. Diabetic foot ulcer, venous leg ulcer and pressure ulcer are chronic wounds expected to become more common across the globe as the number of elderly, diabetic or immobilized individual will grow significantly in the coming years and decades. The large scale treatment of such conditions is not only a medical challenge, it is also an economic one.

The medical industry is gearing up to meet this challenge: there is no doubt that in the coming years, new active materials will be created and new medical devices designed to address chronic wounds.

Lantor has also been developing new designs and creating materials to support the advanced dressings needs of today and the future. We are enriching our range of medical dressings with advanced wound care additives such as alginate, silver, chitosan or carbon. Going forward, based on our expertise in superabsorbents for optimum fluid handling performance, we can design and adapt our materials to any clients advanced wound care requirements.

Our range of non-woven dressings is ideal for use in applications such as **moist wound therapy, odour control or haemostasis**.

Alginate material

Alginate dressings absorb wound exudate and form a hydrophilic gel that covers the wound, thus maintaining a moist wound environment that fosters healing. As a result, alginate dressings are suitable for a wide range of wound types and are of particular benefit in chronic wounds that produce moderate to large volumes of exudate, e.g. pressure ulcers, leg ulcers, diabetic foot ulcers...

At Lantor, we have experience of working with Alginate materials, be it Calcium alginate powder or alginate fibres, to incorporate them into high tech medical textiles for advanced wound dressings.

code	Description	Weight (gsm)	Other features	Application
PD005	Silver fibres and Calcium Alginate	-	Antibacterial	Chronic wounds
471501	Viscose, Polyolefin and Polyester	150	Alginate	Chronic wound

Haemostatic dressing material

Haemostatic dressing are used in trauma care to quickly and effectively stop high bleeding. For a long time, dressings for emergency situations was limited to simple gauze and absorbent pads. However, the advent of new generation of haemostatic agents have improved the quality of such dressings.

Lantor’s ability to design the relevant dressing combined with our coating and lamination lines, clean rooms, packaging and sterilization capabilities, make us the partner of choice for the production of haemostatic dressings. If you have the medical solution, we will provide the delivery device.

code	Description	Weight (gsm)	Agent	Other features	Application
471501	Viscose, Polyolefin and polyester	150	Calcium Alginate	n/a	Haemostatic dressing

Odour control dressing with activated charcoal

Activated charcoal dressings are designed to address the production of wound malodour, which can be a major concern for patients and their careers. The smell results from bacterial metabolism and the production of noxious agents. Activated charcoal has the ability to adsorb the toxins, wound degradation products and the volatile fatty acids that cause wound odour, and therefore has proven effectiveness as an agent in the management of malodorous wounds.

Building on a long experience in active charcoal product development, Lantor has designed laminating and coating processes, in addition to its non-woven manufacturing lines, to create composite materials with carbon that can be used in odour control. We can supply semi-finished components to be then included in a dressing by a third party or finished dressings. We can even construct more complex finished dressings that also include a wound contact and absorbent layer.

Lantor’s expertise in odour control is a customer specific project basis. Please let us know your requirements for odour control performance dressings, and we will be very happy to discuss development and manufacturing options

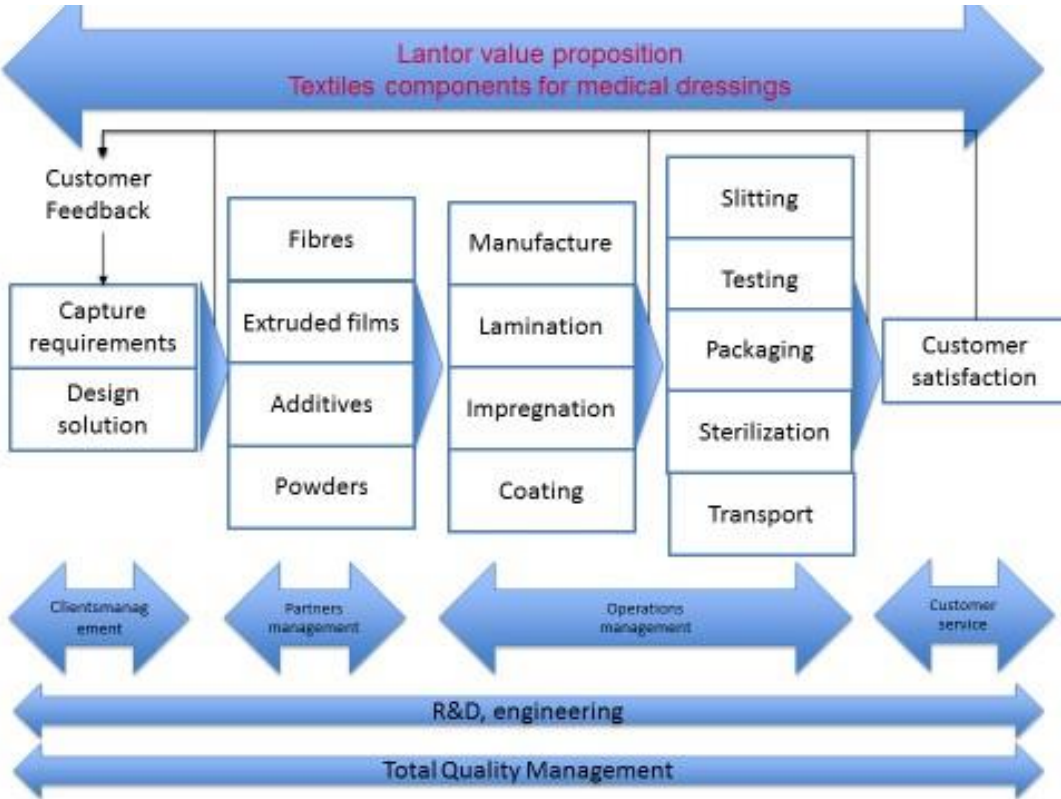
Advanced superabsorbent portfolio:

Lantor is at the forefront of the design and development of highly absorbent and fluid retentive superabsorbent based moist wound care dressings. Its world leading in-house expertise in superabsorbent technology using SAP, superabsorbent powder, and SAF, superabsorbent fibre, allows Lantor to development optimised dressings that offer key desirable performance features such as, high softness and conformability, precise exudate fluid handling in respect of wicking, strike through and retentive capacity, extremely high fluid absorbency capabilities whilst maintaining very discreet form factors.

code	Description	Key features	Format	Application
481012	Viscose, Polyolefin, SAF	Rapid absorption, soft & flexible	Semi-finished dressing	Chronic wounds Medical dressing
462603	Viscose, Polyolefin, SAF PU foam layer composite	Rapid absorption, soft & flexible foam composite	Semi-finished dressing	Chronic wounds Medical dressing
472112	Viscose, Polyolefin, SAF PU foam layer needled composite	Rapid absorption, ultra-soft & flexible foam composite	Semi-finished dressing	Chronic wounds Medical dressing
472003	Viscose, SAF, Polyolefin, Superabsorbent 5 layer composite laminate	Rapid absorption, high absorbent capacity & retention, soft & flexible composite	Semi-finished dressing	Chronic wounds Medical dressing
472107	Viscose, SAF, Polyolefin, SAF, 3 layer composite laminate	Rapid absorption, soft & flexible composite	4-sided sealed dressing	Chronic wounds Medical dressing
472006	Viscose, SAP, SAF, Polyolefin, Superabsorbent 4 layer composite laminate	High absorbent capacity & retention, soft & flexible composite	4-sided sealed dressing	Chronic wounds Medical dressing
472008	Viscose, SAP, SAF, Polyolefin, Superabsorbent 5 layer composite laminate	High absorbent capacity & retention, soft & flexible composite Face uniform wicking & strike through profile	4-sided sealed dressing	Chronic wounds Medical dressing
472010	Viscose, SAF, Polyolefin, Superabsorbent 5 layer composite laminate	Rapid absorption, high absorbent capacity & retention, soft & flexible composite Face uniform wicking & strike through profile	4-sided sealed dressing	Chronic wounds Medical dressing

Manufacturing services: a one stop shop for your medical dressing needs

At Lantor, we have a broad range of technical and manufacturing capabilities to meet any specific requirement a wound care specialist might have. Not only we can manufacture new designs, but we can also impregnate materials with additives, coated active powders, laminate nets and foils, bond components into multilayer construction, slit, pack and sterilize from semi to fully finished dressing. All this is backed up by our advanced R&D team, who can turn your concepts into product reality.



Let us know about your design, we will make it happen!

R&D

The Lantor R&D team is geared towards customer satisfaction: our team captures clients’ requirements and designs new materials accordingly.

Recent success stories have involved the development of superabsorbent advanced wound care dressings.

Manufacturing

Lantor’s extensive manufacturing capabilities include the blending of fibres, web-forming, carding, mechanical and thermal bonding.

Mechanical bonding is performed via needle-punch, i.e. the fibres of the web are interlaced using needles, resulting in a high tensile strength in both the machine and cross machine direction.

In thermo bonding, fibres are fused together using a melded-oven, resulting in soft and bulky non-woven with a solid structure.

Bandage conversion capabilities

Lantor can convert fleece into paper-wrapped and flow-wrapped bandages, complete with customer artwork and full traceability information on flow-wrap package.

Coating

Lantor's coating capability also allows us to disperse solid (powders) additives onto a non-woven fleece thus turning it into a medically smarter dressing.

Lamination

Lantor's lamination capability is well proven and is used to attach medical nets with adhesive to absorbent pads. If there is no adhesive, Lantor can use its in-house coating capability to attach several layers and thus create complex sandwich construction for advance wound care solutions.

Lamination is also used in conjunction with advanced coating technology to spread powder and fix it in place within the dressing, thus creating effective and consistent medical materials.

Lantor's ability to create multi-layered composite dressing enable us to meet complex client requirements and to design advanced materials that deliver multiple medical actions to the point of wound.

Impregnation

Our impregnation capability allows us to enrich any non-woven material with liquid additives in various quantities. Impregnation is a process that consists in saturating the material, and then put it through a nip roller to express out the liquid.

Lantor is used to dealing with anti-bacterial compounds and other liquid ingredients. Such actives can be sourced in-house or maybe supplied by our clients for application into the materials. The result is a component that can be converted in a finished dressing.

Slitting

Lantor can deliver its products and materials in roll stocks of various length and width, to be converted at a later stage.

Lantor also works with partners for precision and smaller width, and the final product can be deliver in small conventional rolls or in traverse winding onto a bobbin.

Packaging – semi-finished products

All semi-finished materials is packed in medically compliant plastic bags.

Double packing and plastic cores are also available to reduce bio-burden for clean rooms.

Packaging – finished products

Lantor's packaging capabilities enable us to offer numerous individual wrapping options for all your primary and secondary packaging needs. As well as primary pouches in various materials e.g. paper to paper, foil to foil paper to film we can also offer deep draw packaging for 3D items.

Clean rooms

Lantor ensure that all medically sensitive material manufacturing and packing operations are carried out in a clean room or a controlled environment.

Lantor has two class 8 clean rooms and three controlled environments.

Sterilization

Additional sterilisation processes ensure the products made on our premises meet all regulations concerning sterility.

Lantor can sterilize its material in house (steam sterilization) or sub-contract for gamma and ethylene oxide sterilization.

The extensive laboratory testing equipment complements these activities ensuring our clients have complete confidence.

Under licence wound dressing conversion and packaging

The breadth of Lantor manufacturing capabilities makes us an ideal partner for conversion of materials into finished wound pads packed in medically validated four side seal packs.

This enables us to manufacture end to end dressing under licences, thus leaving our clients free to focus on their own customers.

Our clean rooms and controlled rooms ensures that we meet all medical requirements to manufacture on behalf of some of the most visible brands in Europe and North America.

Our credentials

Today, nearly fifty of the leading companies in the medical device industry rely on Lantor for their wound care products. Our clients value Lantor's quality, consistency and adaptability. Lantor is ISO 13485 registered for bandage and wound care products and ISO 9001 registered for nonwoven rollstock production, Lantor is also FDA registered.

So if you need a solid and innovative partners for your medical devices, come and talk to us!

Why Lantor?

- Medical non-woven expertise
- Consistent quality
- Specialist in wound dressings
- A wide range of manufacturing capabilities
- Impeccable research and development
- International experience
- A best in class partner

Contact us

You could not find anything that meets your needs?

If it is medical and non-woven, you should contact us:

sam@lantor.co.uk