shawpak

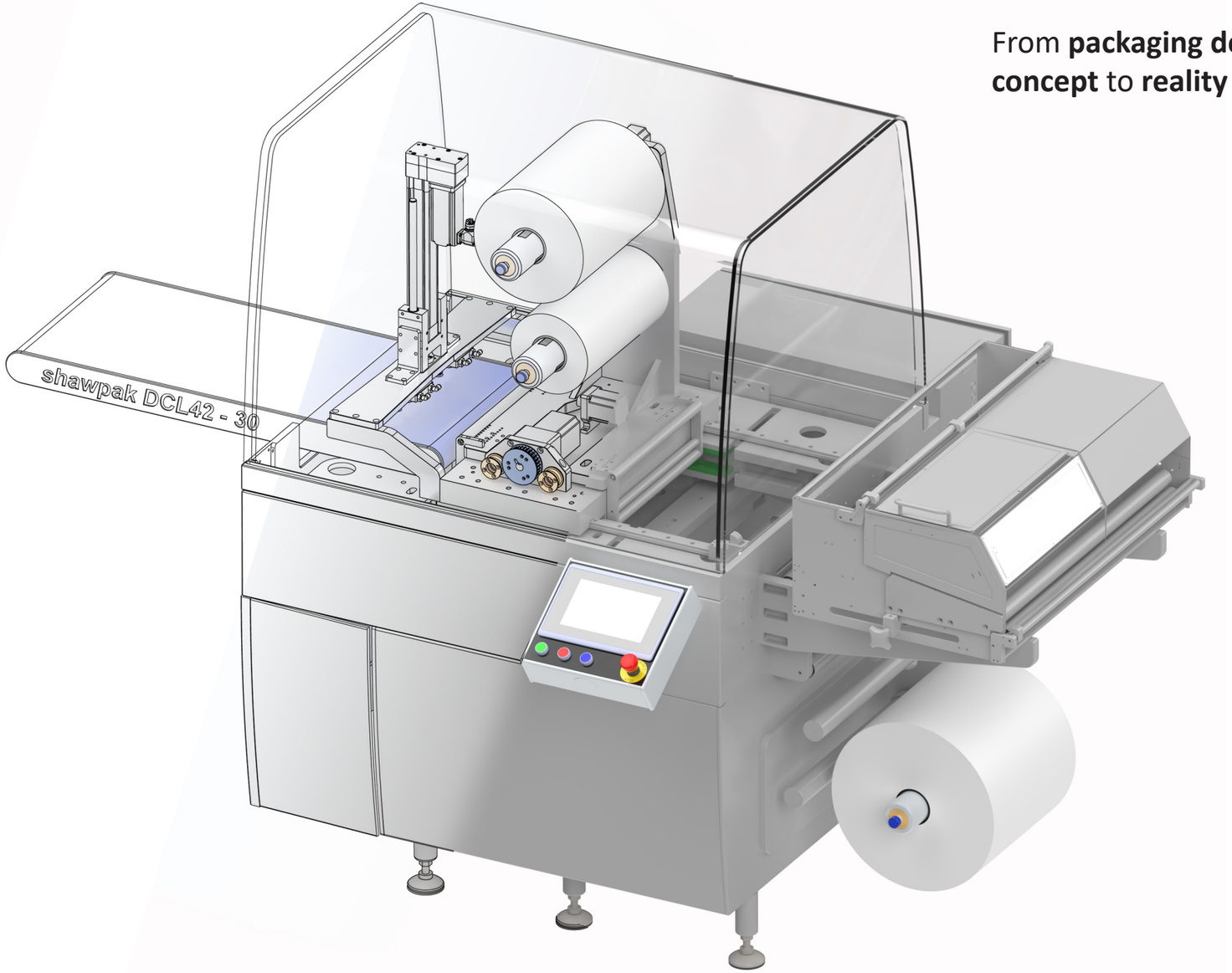
MEDICAL PACKAGING SOLUTIONS



Die cut lidding machine

YOUR DEVICE . YOUR SPACE . OUR SOLUTION

From **packaging design concept** to **reality**



The **shawpak DCL series** is a revolutionary machine offering a die cut lidding solution to your packaging needs that is totally unique.

Designed, manufactured and built in the UK at our state-of-the-art engineering facility, every care has been taken to ensure the machines are built to the highest quality.

OUR MISSION

"To provide our customers with innovative packaging machinery designed with a fresh approach to how it's always been done"

OUR VISION

"To be a world leading packaging machinery company synonymous with the medical device industry"

shawpak DCL Range

The **shawpak** DCL range has been purpose built for the medical device industry, focusing on pre-printed small batch lids whilst being cost effective. Shawpak's aim is to solve the customers problems by providing packaging flexibility and bringing production in-house.

Key capabilities include lid stacking, removal of trim waste, a reduced foot print - taking up less than 2m^2 worth of space, quick tool changes. The pre-made die cut rules can be easily changed to produce different size lids within the overall maximum area.

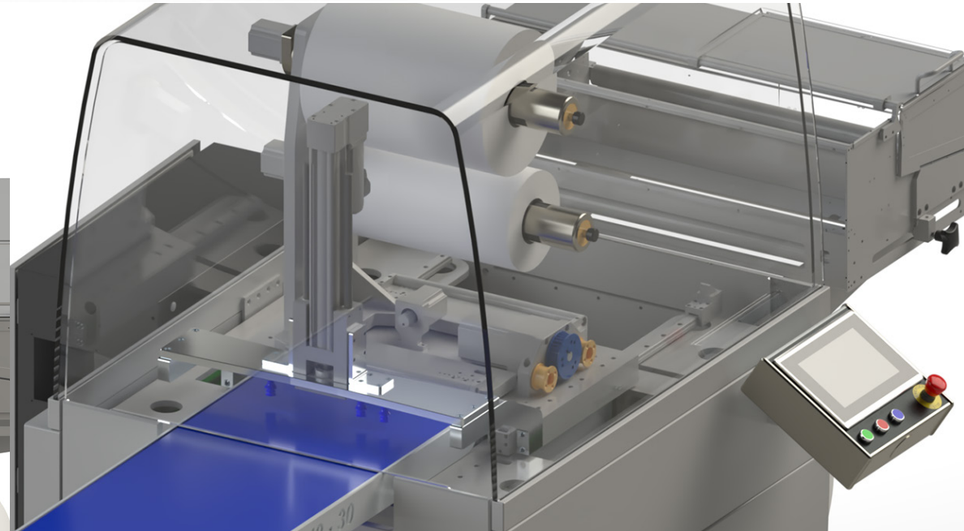
Several features including vision, splice detection, extended conveyor, deioniser with integrated vacuum and more can be integrated to create the perfect set up for lid production.



- Make your own lids on demand
- Inline printing capabilities
- Automated lid stacking

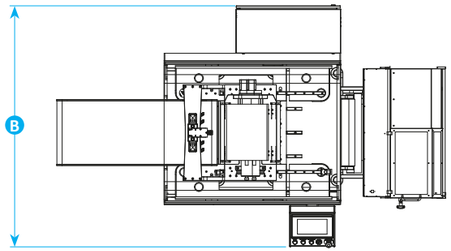


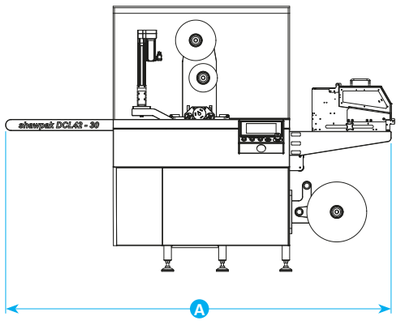


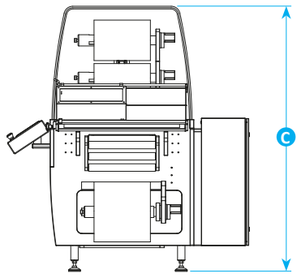


shawpak DCL Series Machine Dimensions

Model	Max Lid Size mm (inches)	Machine Dimensions mm (inches)		
		A	B	C
DCL42-30	400 x 300 ($15^{3/4}$ x $11^{13/16}$)	2580 ($101^{9/16}$)	1625 (64)	1770 ($69^{11/16}$)
DCL62-40	600 x 400 ($23^{5/8}$ x $15^{3/4}$)	2780 ($109^{7/16}$)	1825 ($71^{7/8}$)	1970 ($77^{9/16}$)







At **shawpak** electrical panels are designed, manufactured and built in-house, compliant to UL 508A standards.

The control systems used In the **shawpak** DCL series are Rockwell Allen-Bradley and as standard consists of:-

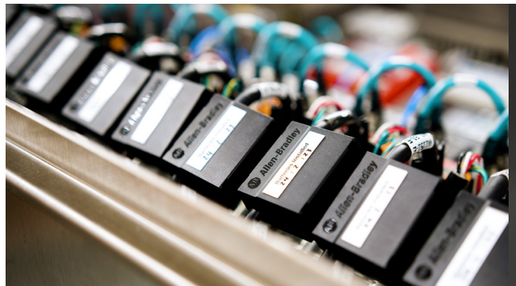
- Compact GuardLogix PLC
- Kinetix 5300 Servo drives with TLP servo motors.
- 9” PanelView Plus Colour Touch Screen HMI:-
  - Display / editing of all parameters / setpoints (Access level restrictions apply).
  - E.g. Recipe settings, Settings for temperature, pressure, time and speed
  - Machine cycle time and batch counters
  - Machine message banner
  - Alarm alerts
  - 3 levels of login access

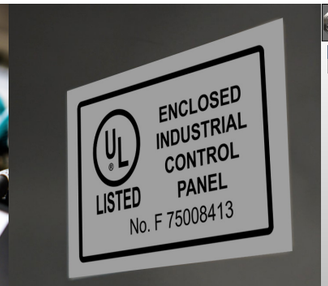


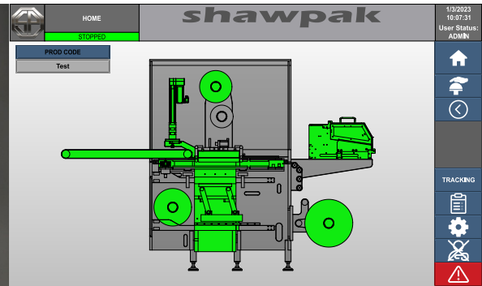
shawpak’s DCL series offer a low cost power consumption for all models.

Power Supply:

Voltage:	230v
Amperage:	15
Phase:	Single Phase
Cycles:	50/60hz
Air Supply:	6 bar Minimum – Clean and dry supply

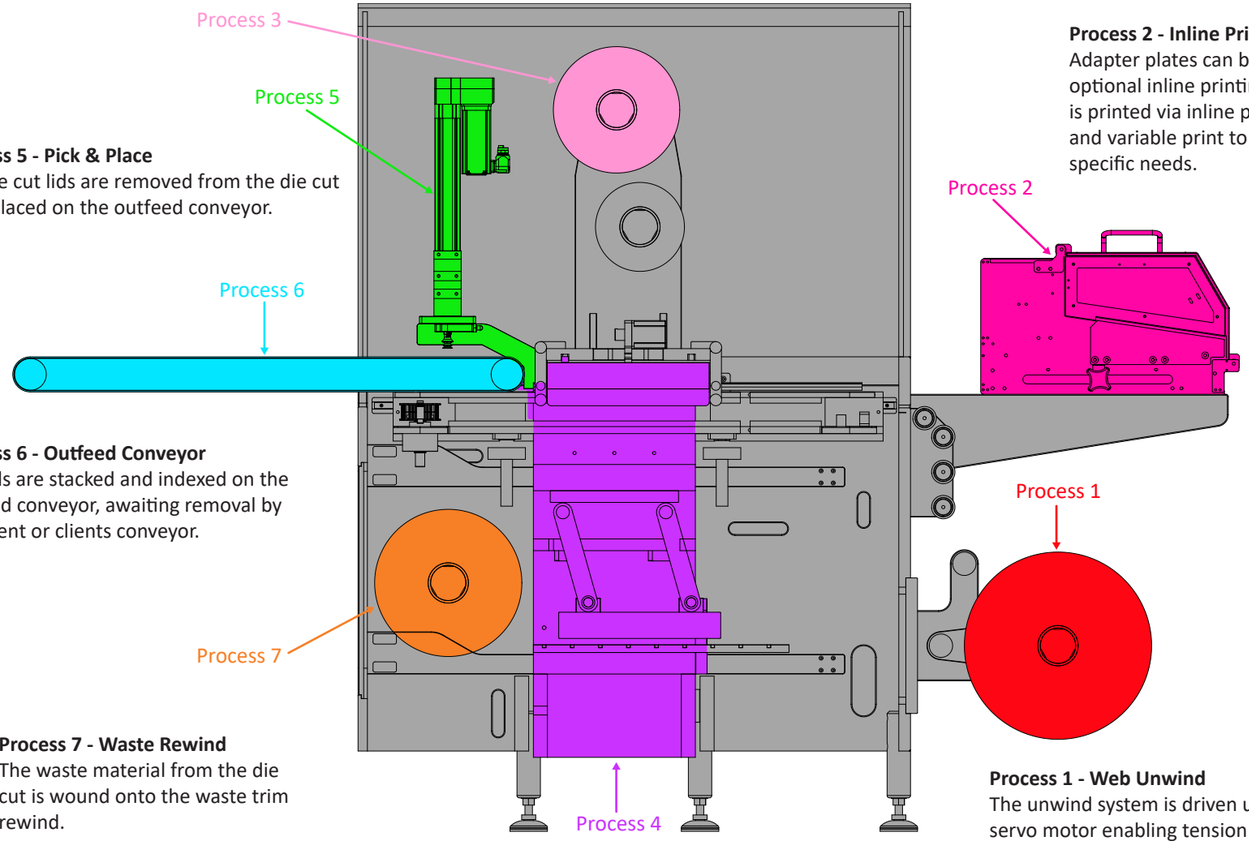






The **shawpak** Die Cut Lidding Process

Process 3 - Glassine Web Unwind
Shawpak has developed a unique cutting process using cutting media which is roll fed into the machine increasing overall blade life and advanced cutting capabilities, this in turn reduces the consumable costs and longevity of cutting life.



Process 5 - Pick & Place
The die cut lids are removed from the die cut then placed on the outfeed conveyor.

Process 6 - Outfeed Conveyor
The lids are stacked and indexed on the outfeed conveyor, awaiting removal by the client or clients conveyor.

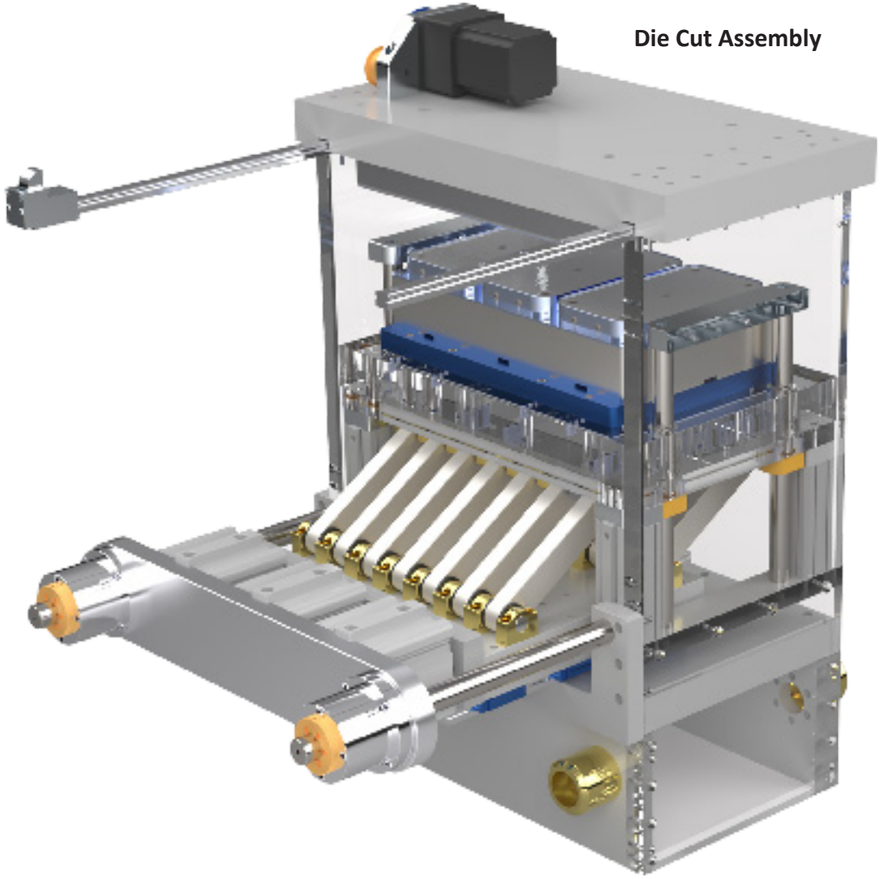
Process 7 - Waste Rewind
The waste material from the die cut is wound onto the waste trim rewind.

Process 2 - Inline Printing
Adapter plates can be used for optional inline printing. The material is printed via inline printer with static and variable print to the customers specific needs.

Process 4 - Die Cut
The printed web is fed into the die cut, where the required lids are cut.

Process 1 - Web Unwind
The unwind system is driven utilizing a servo motor enabling tension control of the material through the machine. The web is automatically unwound into the machine via tension rollers.

Die Cut Assembly



shawpak Tooling

A tool set consists of:

- Die Cut Board
- Pick & Place End of Arm Actuator
- Anvil Plate

The DCL range offers flexible material and forming widths of up to 620mm (27 7/16”).

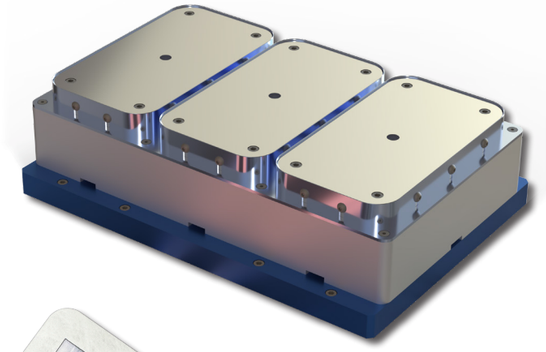
The unique design provides a maximum overall diameter of 400mm (15 3/4”) of web material and a core size of 76mm (3”)

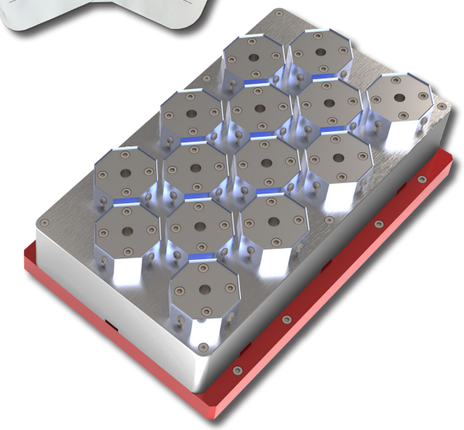
Die Cut Station

The die cut tool is completely bespoke to the product and can be any 2D shape required, this can be as simple as a basic rectangle through to a contoured 2D design.

The die cut tools have been designed to be easily changed in approximately 10 minutes, which prevents long periods of downtime when setting up for a different product.









shawpak Specifications

Main Machine	Standard	Option
Index Drive	●	
Operator Interface Mounted on a Swivel Arm	●	
Electric/Pneumatic Enclosures	●	
Bolt Down Machine Feet	●	
Four Colour Light Beacon		○
Low or High Level Guarding		○
Web Unwind		
Web Powered Unwind	●	
Base Web Auto Tracking Adjustment	●	
Ø76mm (Ø3”) Mandrel	●	
Splice Table		○
Glassine Unwind		
Powered Unwind	●	
Roll of Glassine Material	●	
Splice Table		○
Cutting		
Die Cut Station with Pack Ejection	●	
Waste Trim Rewind	●	
Deioniser With Vacuum (Intergrated in Die Cut)		○
Outfeed		
Standard Outfeed Conveyor	●	
Pick & Place Unit	●	
Extended Conveyor		○

Overprint and Coding	Standard	Option
HD Digital Printer		○
Thermal Inkjet Printer		○
Thermal Transfer Printer		○
In-line Pre-Printed Label Applicator		○
In-line Print and Apply Label Applicator		○
Vision & Inspection		
OCR Vision Inspection		○
Product Inspection		○
Splice Detection		○
External Finish		
Natural Anodise	●	
Control		
9” Colour Touch Screen	●	
Data Logging to SD Card		○
Data Logging via Ethernet Connection		○
Integration		
Production Line Integration		○
Electrical		
Remote Access Module		○
Voltage Surge Protector		○
Other		
Draft IQ/OQ Protocols		○
Tool Storage		○
Essential Spares c/w Maintenance Cabinet		○

shawpak Servicing & Spares

At **shawpak**, we take pride in working alongside our customers to provide a seamless, ongoing support service to aid continuous production and minimal downtime.

To ensure our customers benefit the utmost, it is important for us to be able to tailor our service plans around our customers individual needs.

Our service specialists are able to define highly economical maintenance plans to provide a worry-free approach to service and maintenance and enhance the performance of your packaging systems.





Setting You Up

shawpak's installation and commissioning process ensures efficiency from day one. As we understand the production process, we are able to set up your equipment line in the most effectual way. Having an installation carried out by one of our experienced service specialists will provide optimum performance and correct OEM set up.

4 Year Total Care Plan

Our 4 Year Total Care Plan is a highly economical preventative maintenance plan we have put together to provide a worry free approach to service and maintenance to ensure increased efficiency and reduced downtime. This plan is based on one visit per annum comprising of a full service visit including on site labour and all mechanical parts changed by a qualified OEM engineer. This plan allows you to have a four year fixed budget for maintenance.

By having a **shawpak** total care plan in place, it means you'll have the benefit of a routine maintenance schedule planned around your production requirements.





shawpak

The creation of the **shawpak** was an invention by David Shaw, CEO of Riverside Medical Packaging.

Following the initial development of the **shawpak** rotary thermoformer, **shawpak** launched at Riverside Medical Packaging Co Ltd in 2018 on the back of 35 years of medical device packaging experience.

From packaging design concept to reality **shawpak** design, build and manufacture standard, bespoke, and automated packaging machinery solutions.

Parts are machined in-house at our manufacturing facility which includes a range of CNC routers, a multi-bar turn mill centre and a range of 3 axis and 5 axis milling centres.

The **shawpak** range of products and services include:

- RT Series: RT32-20 | RT42-25 | RT62-25 | RT82-20
- LP Series: LP60-30 3SS | LP60-30 4SS | LP60-60 3SS
- LB Series: LB56-52
- LT Series: LT32-28 | LT42-38 | LT56-52
- DCL Series: DCL42-30 | DCL62-40
- Integrated Solutions
- Upgrades & Replacement Parts
- Remote Technical Support
- Maintenance Plans
- Training

nqa ISO 9001 QUALITY MANAGEMENT — UKAS MANAGEMENT SYSTEMS 0015

shawpak are ISO 9001:2015 certified.

shawpak

MEDICAL PACKAGING SOLUTIONS

shawpak Ltd
Unit 5A, Stud Brook Business Park,
Welsted Road, Castle Donington
DE74 2ZB, UK

T +44 (0) 1332 579025
W www.shawpak.co.uk
E sales@shawpak.co.uk

shawpak USA
60 Mosswood Blvd, Suite 500,
Youngsville, NC 27596, USA.

W www.shawpakusa.com
E sales@shawpakusa.com

