

Upholstery Brochure

Specialist Industrial Textile Equipment for Upholstery Makers Including Lifting Tables, Cutting Equipment, Chair Presses, and Sewing Machines.



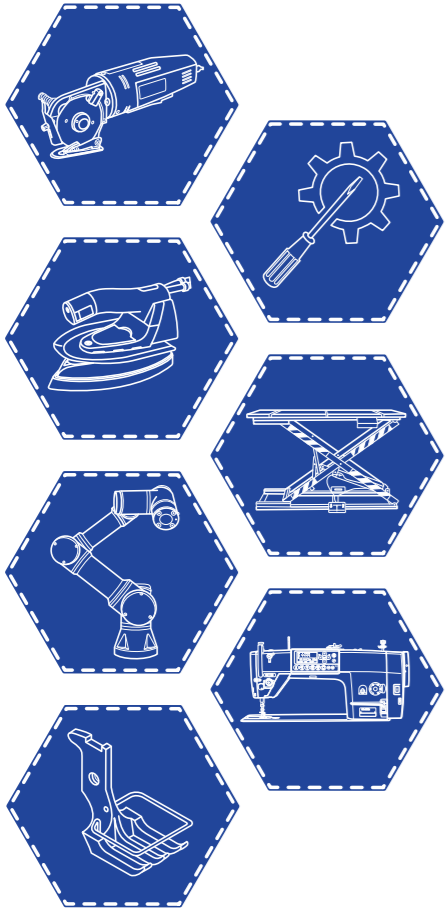
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Croeso!
Welcome



AE SEWING MACHINES are a family business based in Wrexham, North Wales. We are proud to be one of the UK's leading suppliers of state-of-the-art industrial sewing, cutting, and pressing equipment, with automation being our speciality. If you are looking for the best professional textile equipment available, with unbeatable customer service and after-sales support, then you've come to the right place.

As official agents for Juki, Pathfinder Cutting Technology, Rexel, and many more well-known reputable brands, we supply a wide range of exceptional machinery which covers every aspect of textile manufacturing. Whether you are looking to invest in your first professional sewing machine or need a full factory install, you can rely on us to give top-quality, honest advice and be by your side every step of the way.

This brochure gives a brief overview of what we do, but we have so much more to offer. Don't hesitate to get in touch with our friendly team to learn more about bespoke projects or how your business could benefit from investing in new equipment.

Our team understand the unique demands of upholstery production. This brochure outlines a range of equipment we have specially selected for upholsterers based on extensive industry experience.

Whether we're working with big names brands or boutiques, our priority is supplying solutions that optimise precision, efficiency, and productivity. From upholstery lifting tables to heavy duty sewing equipment, we provide the tools to create an efficient and ergonomic workspace which will futureproof your business.

By upgrading your production methods with AE Sewing Machines, you're not just investing in new equipment - you're investing in the expertise and support of a company dedicated to ensuring their customers achieve optimal results. Our team will provide ongoing technical support alongside machinery that has proven efficacy in the industry.



Cutting Equipment

Professional quality cutting and finishing equipment is essential for efficient upholstery production. Working with foam, leather, and other tough fabrics requires specialist machinery which will produce consistently high-quality results.



Rexel R1150 band knife for cutting upholstery foam



REXEL R1150 SPECIFICATIONS

TABLETOP DIMENSIONS	2200 x 1800 mm
CUTTING HEIGHT	480 mm
BAND LENGTH	5240 mm
ARM LENGTH	1150 mm
KNIFE SPEED	0-18 m/s
GUIDE WHEEL QUANTITY	4
SHARPENING DEVICE	Yes
OPERATING LIGHT	Yes
OVERALL DIMENSIONS LWH	2700 x 2100 x 2100 mm
MOTOR POWER	2.2 kw
COUNTRY OF ORIGIN	Poland
WARRANTY	12 months (back to base)

Rexel's band knife machines are powerful and versatile tools for cutting fabric, leather, cardboard, upholstery foam, rubber, and paper. They can be set up with any type of band knife (straight, convex, concave, or toothed), and are solidly constructed with powder-coated steel to ensure that they are sturdy and durable. The tabletops are airflow-equipped to increase the ease of material movement, and the cutting height is adjustable to suit the application. This makes them particularly well suited to cutting stacks of material.

These band knife machines are available in various sizes to suit upholstery production applications on any scale. The Rexel R500 is the most compact version.

REXEL R500 SPECIFICATIONS

TABLETOP DIMENSIONS	1200 x 1000 mm
CUTTING HEIGHT	190 mm
BAND LENGTH	2845 mm
ARM LENGTH	500 mm
KNIFE SPEED	0-14 m/s
GUIDE WHEEL QUANTITY	3
SHARPENING DEVICE	Yes
OPERATING LIGHT	Yes
OVERALL DIMENSIONS LWH	1320 x 1200 x 1800 mm
MOTOR POWER	1.1 kw
COUNTRY OF ORIGIN	Poland
WARRANTY	12 months (back to base)



We recommend using chainmail gloves whilst operating any industrial cutting equipment to ensure a safe working environment.

Our parts and spares department stock these gloves in various sizes, as well as cotton liners for added comfort.

They are available to order online with next day delivery for in-stock items.

For smaller scale operations, the Advance AE-03 electric upholstery foam cutter is a great value option.

- 8" cutting height to suit materials of varying thicknesses
- Cuts sharp turns with ease and can easily cut out "T" or "L" shaped cushions
- Variable speed control
- Dual foam rubber cutter blades (one moving) to ensure smooth, accurate cuts
- Detachable base with glide rollers
- Replacement blades and other spares available



Lifting Tables

Rexel ST-3 pneumatic lifting tables have gained international popularity with upholstery manufacturers due to their ergonomic design and the fact that they have been proven to increase productivity by at least 14% compared to standard upholstery trestles.



REXEL ST-3 STANDARD SPECIFICATIONS

WORKING PRESSURE	6 bar (87 PSI)
TABLETOP DIMENSIONS	2000mm x 900mm
TABLETOP TYPE	Fixed top
PNEUMATIC CYLINDER	D125 x 600
MINIMUM HEIGHT	320mm
MAXIMUM HEIGHT	1280mm
MAXIMUM LOAD	160kg
OPERATION METHOD	Foot-controlled
TOOL DRAWER	Optional
TABLETOP COVER TYPE	Carpet-covered
COUNTRY OF ORIGIN	Poland
WARRANTY	12 months (back to base)



These are the most popular ST3 models, but there are many options available in the series, including various different tabletop sizes, styles, and covers to suit your exact requirements.



Rexel ST-3
MINI OP
swivel
lifting table

REXEL ST-3 MINI OP SPECIFICATIONS

WORKING PRESSURE	6 bar (87 PSI)
TABLETOP DIMENSIONS	2000mm x 1000mm
TABLETOP TYPE	Swivel top
PNEUMATIC CYLINDER	D125 x 360
MINIMUM HEIGHT	410mm
MAXIMUM HEIGHT	1190mm
MAXIMUM LOAD	100kg
OPERATION METHOD	Foot-controlled
HEIGHT POSITIONING SYSTEM	Yes
TABLETOP COVER	Water-resistant plywood
COUNTRY OF ORIGIN	Poland
WARRANTY	12 months (back to base)

This special table was designed in cooperation with one of UK's biggest upholstery factories. It has a swivel tabletop and spring brake system which blocks the tabletop after each 90-degree turn.

Like all Rexel lifting tables, it is constructed from durable steel and is foot-controlled for ease of use. To ensure user safety, the tables block automatically when turned off to prevent them from folding if the power cuts out. In addition to this, very little maintenance is required, and fixes are quick and easy.



These Rexel ST-3 pneumatic lifting tables have been specially designed for upholstery work, but our customers have found some inventive uses for them.

These ones are used to lift participants into position at Zipworld Velocity 2!

Upholstery Presses

Pneumatic presses are primarily used in the production of upholstery items such as office chairs. They apply pressure to the work piece which holds both it and the fabric in place to make manufacturing simple, efficient, and easy.



Rexel PDK-2/PDS pneumatic press

These presses are suitable for pressing chair seats and backrests constructed from fabric, upholstery foam, and chipboard.



REXEL PDK-2/PDS SPECIFICATIONS

DIMENSIONS AT GROUND	1300 x 1000 mm
CUSHION DIAMETER	750 mm
WORKING PRESSURE	3-6 bar (43.5-87 PSI)
PNEUMATIC CYLINDER	D63 x 200
HEIGHT	2070 mm
TWO BUTTON SAFETY SYSTEM	Yes
PRESSURE REGULATOR	Yes
WEIGHT	110 kg
CYLINDER HEIGHT	Not adjustable
CUSHION PAD TYPE	Rotary
COUNTRY OF ORIGIN	Poland
WARRANTY	12 months (back to base)

The Rexel PDK-2/PDS is a specialist upholstery press designed for the quick and easy production of seats and backrests which employ a drawstring. It has a foot-controlled pulling system and can also be used as a regular upholstery press thanks to the handy arms which can move the drawstring press aside. As with all of these models, there is a two-handed button operation system to ensure user safety.

There are three different models available to suit production on any scale.

REXEL PDP-1 SPECIFICATIONS

DIMENSIONS	600 x 600 x 900 mm
CUSHION DIAMETER	750 mm
WORKING PRESSURE	3-6 bar (43.5-87 PSI)
PNEUMATIC CYLINDER	D63 x 200
VERSION	Compact - tabletop
TWO BUTTON SAFETY SYSTEM	Yes
PRESSURE REGULATOR	Yes
CAN BE PUT ON TABLE	Yes
CYLINDER HEIGHT	Adjusted by hand wheel
CUSHION PAD TYPE	Rotary
COUNTRY OF ORIGIN	Poland
WARRANTY	12 months (back to base)



Pneumatic presses have the benefit of:

- Working with a variety of materials
- Utilising less energy
- Improving efficiency
- Offering a high level of control
- Producing minimal noise



REXEL PDK-1 SPECIFICATIONS

FOOTPRINT	800 x 1050 mm
CUSHION DIAMETER	750 mm
WORKING PRESSURE	3-6 bar (43.5-87 PSI)
PNEUMATIC CYLINDER	D63 x 500
VERSION	Freestanding
TWO BUTTON SAFETY SYSTEM	Yes
PRESSURE REGULATOR	Yes
HEIGHT	2150 mm
CYLINDER HEIGHT	Not adjustable
CUSHION PAD TYPE	Rotary
COUNTRY OF ORIGIN	Poland
WARRANTY	12 months (back to base)

Sewing Machines

Using the right sewing machine is essential for producing high-quality upholstery with ease. We are UK agents for Juki industrial sewing machines, a brand famous for their high-quality, industry-leading equipment. The following pages describe machines selected by our technicians as being ideal choices for upholstery production. They have been tried and tested in the industry, with proven user-friendliness, durability, and seam consistency.

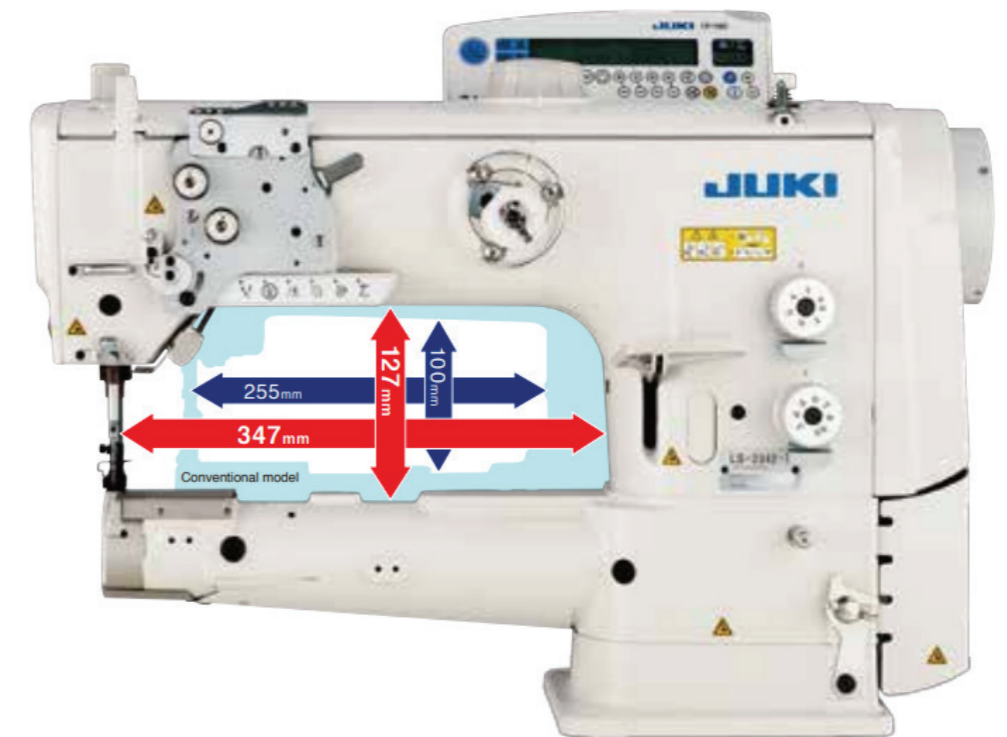
All machines are supplied fully assembled using premium quality components and are set up and tested before they leave our workshop, so they are ready to use straight away. We also offer a delivery and installation service which includes operator training.



Cylinder Bed

Cylinder-bed sewing machines are designed to make it much simpler to sew sharp curves or tubular articles, as they enable easy manipulation of bulky upholstery materials.

Juki
LS-2342-7
with semi-
long arm



The Juki LS-2342-7 is a 1 needle, cylinder-bed, unison-feed lockstitch machine with a vertical axis hook. It has a high, semi-long arm for improved workability, especially when sewing large items or heavy weight materials. Sewing settings can be switched quickly and easily using the multi-functional 6-string switch. This is combined with a high-torque direct-drive motor which provides increased responsiveness and effective penetration of heavy upholstery fabrics, even when sewing multiple layers.

JUKI LS-2342-7 SPECIFICATIONS

MAXIMUM SEWING SPEED	2,500 sti/min
MAXIMUM STITCH LENGTH	9mm
THREAD TENSION	Double
MAX. PRESSER FOOT LIFT	20mm
NEEDLE SYSTEM	134x35
FEED TYPE	Unison Feed
HOOK TYPE	Semi-Long Vertical Axis
LUBRICATION METHOD	Semi-Dry Automatic
SWITCH TYPE	6-String Switch
MOTOR	High-Torque Direct-Drive
COUNTRY OF ORIGIN	Japan
WARRANTY	12 months (back to base)

Unison Feed

Many of the industrial sewing machines which we recommend for upholstery work use this feed type. The name "unison" comes from the fact that the walking foot, needle and feed dogs all work in unison to feed otherwise tricky materials such as upholstery leather evenly and consistently.



JUKI®

Post-Bed

Post-bed sewing machines are designed for sewing otherwise awkward three-dimensional items such as shoes and bags, which makes them ideal for upholstery work.



Pictured is the Juki PLC-2760-7, there is also a single needle version available, the Juki PLC-2710. Contact our team for more information and personalised recommendations.

The Juki PLC-2760-7 is a 2 needle, post-bed, unison-feed lockstitch machine with a vertical axis hook. It is designed for use with heavy weight fabrics and is ideal for producing 3D stitching or topstitching on upholstery products such as sofas and armchairs.

The long arm and 170mm high raised bed considerably increase workability, making it much easier to complete otherwise tricky sewing processes.

It has handy additional automatic functions including thread trimming and backtack to increase efficiency, and stitch length can be changed instantly using the 2-pitch stitch dial.

JUKI PLC-2760-7 SPECIFICATIONS

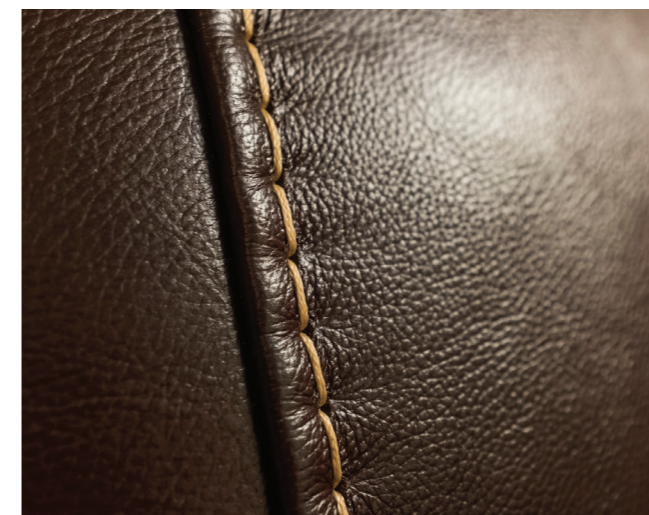
MAXIMUM SEWING SPEED	2,500 sti/min
MAXIMUM STITCH LENGTH	12mm (forward)
NEEDLE BAR STROKE	40mm
MAX. PRESSER FOOT LIFT	20mm
NEEDLE SYSTEM	135 x 17
REVERSE FEED FUNCTION	Pneumatic type
HOOK TYPE	Vertical double capacity
LUBRICATION METHOD	Automatic
STITCH ADJUSTING	2 pitch dial
THREAD TRIMMING	Automatic
COUNTRY OF ORIGIN	Japan
WARRANTY	12 months (back to base)

Flat-Bed

A flat bed sewing machine is ideal for sewing large fabric pieces for upholstery due to its spacious and level surface, which allows for easy manoeuvrability and handling.



The Juki LU-2810-7 is a 1 needle, direct-drive, unison-feed walking foot lockstitch machine with a large vertical-axis hook. It has automatic features including thread trimming and foot lift which increase efficiency and make it very user-friendly. This model is ideal for sewing medium to heavy-weight fabrics such as leather, upholstery materials, vinyl, and canvas. In particular, the unison feed system and high presser foot lift of up to 20mm make light work of sewing otherwise tricky bulky or thick items.



JUKI LU-2810-7 SPECIFICATIONS

MAXIMUM SEWING SPEED	3,000 sti/min
MAXIMUM STITCH LENGTH	9mm
NEEDLE THREAD TENSION	Single/Double
MAX. PRESSER FOOT LIFT	20mm
NEEDLE SYSTEM	135x17 (Size 125-180)
FEED TYPE	Walking Foot
HOOK TYPE	Vertical Double Capacity
LUBRICATION METHOD	Semi-Dry Automatic
STITCH LENGTH DIAL	2 Pitch Dial
REVERSE FEED SWITCH	One Touch Type
COUNTRY OF ORIGIN	Japan
WARRANTY	12 months (back to base)

Alternative models include:

- LU-2810V-7 – Digital 1 needle version
- LU-2828V-7 – Digital 1 needle shorter thread remaining type
- LU-2860AS – 2 Needle version

Pattern Sewers

Automated pattern sewing machines are ideal for creating intricate decorative designs or carrying out repetitive sewing tasks on medium to heavyweight fabrics. They offer a transformative solution for upholstery manufacturers looking to streamline and deskill their production processes to stay competitive in a rapidly evolving market.



The Juki PS-800 series consists of computer-controlled automated XY axis pattern sewers. They can sew at speeds of up to 3,000 stitches per minute and have a handy control panel which can store up to 999 patterns. Further patterns can be added via USB. Our team can also create jigs tailored to your production requirements to ensure that you get the best results from your chosen machine.

Alternative models vary by sewing area:

PS-800-13085 = 1,300 (X) x 850mm (Y)

PS-800-8045 = 800 (X) x 450mm (Y)

JUKI PS-800-12080 SPECIFICATIONS

MAXIMUM SEWING SPEED	3,000 sti/min
STITCH LENGTH	0.5 - 12.7mm
SEWING AREA	1,200 mm x 800 mm
MAX. PRESSER FOOT LIFT	20mm
NEEDLE SYSTEM	135 x 17
MEMORY CAPACITY	999 patterns (80,000 st/p)
HOOK TYPE	Full rotary double capacity
LUBRICATION	Hook only
CLOTH TRIMMING	By rotary knife
FEED TYPE	Screw drive (ball screw)
COUNTRY OF ORIGIN	Japan
WARRANTY	12 months (back to base)



The Juki AMS-251 is a specialist machine with a multitude of uses. It is ideal for sewing large items for upholstery work and producing decorative patterns. This high-end 1-needle CNC sewing machine implements a smooth machine head turning mechanism for effective 360 sewing. It guarantees high-quality, uniform seams in every sewing direction. Juki's unique synchronisation technology guarantees stable control of the head, hook, and feed mechanism for consistent results.



JUKI AMS-251 SPECIFICATIONS

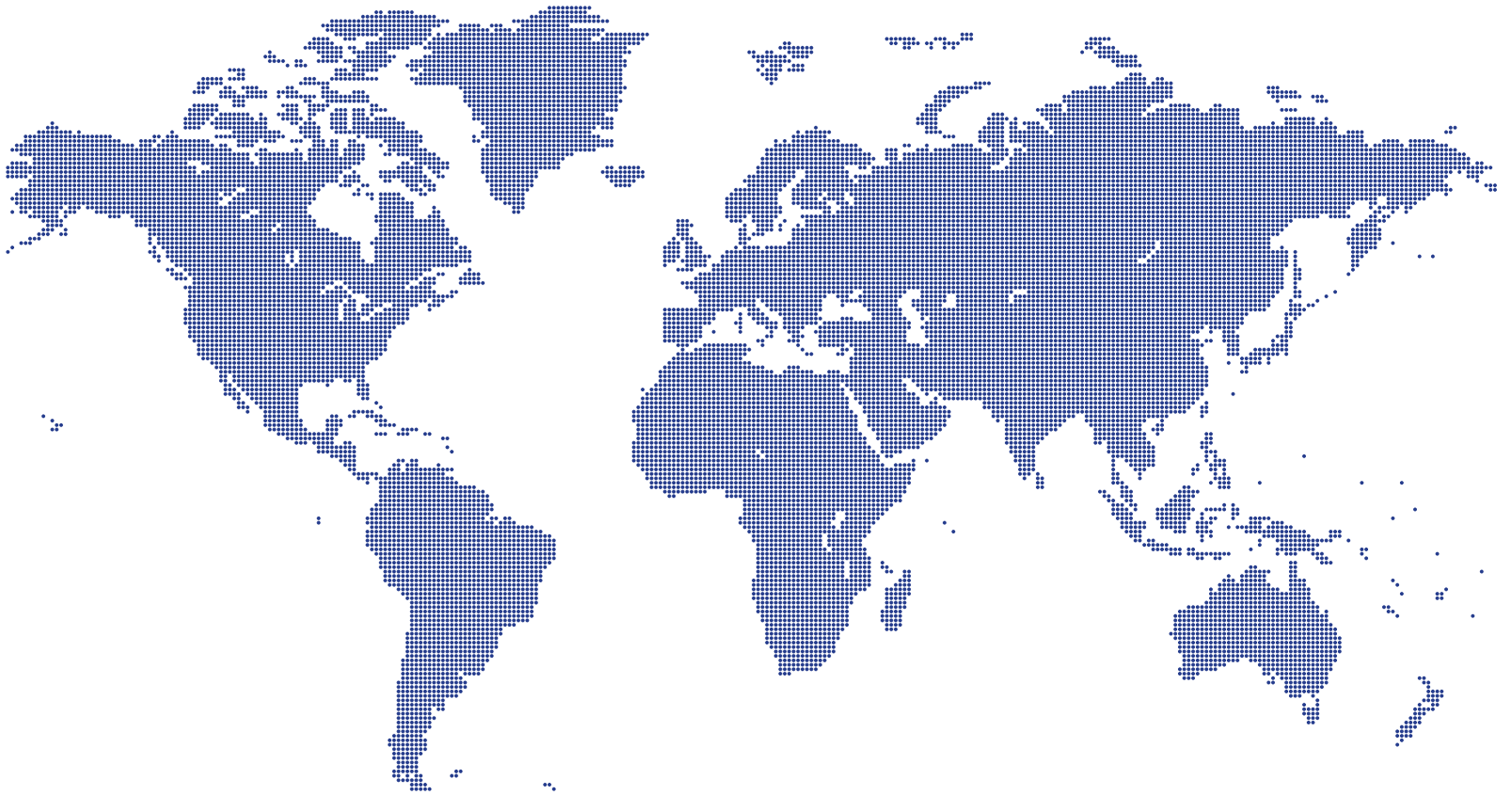
MAXIMUM SEWING SPEED	2,500 sti/min
STITCH LENGTH	0.1 - 12.7 mm
SEWING AREA	1,000 mm x 600 mm
HEAD LIFTABLE	50 mm
NEEDLE SYSTEM	135 x 17
MEMORY CAPACITY	999 patterns (50,000 st/p)
HOOK TYPE	Rotary, 3-fold capacity
TOTAL WEIGHT	950 kg
MACHINE DIMENSIONS	2,400W x 1,800D x 1,600H
CAMERA SYSTEM	Optional Extra
COUNTRY OF ORIGIN	Japan
WARRANTY	12 months (back to base)

Contact our team directly for more information about any of the machines listed in this brochure, or for personalised recommendations based on your unique requirements.

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