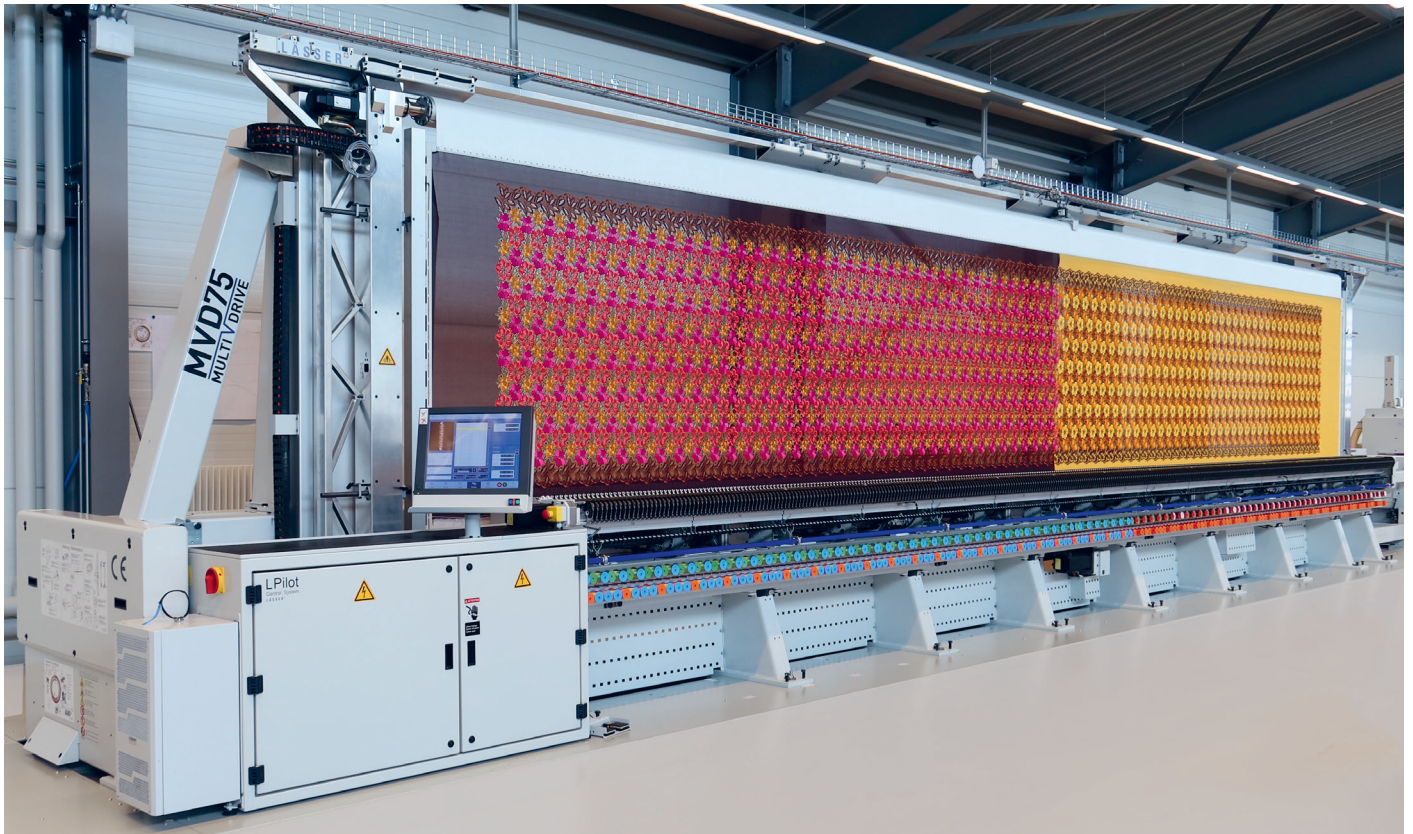




MVD75

MULTI DRIVE

The unique embroidery machine



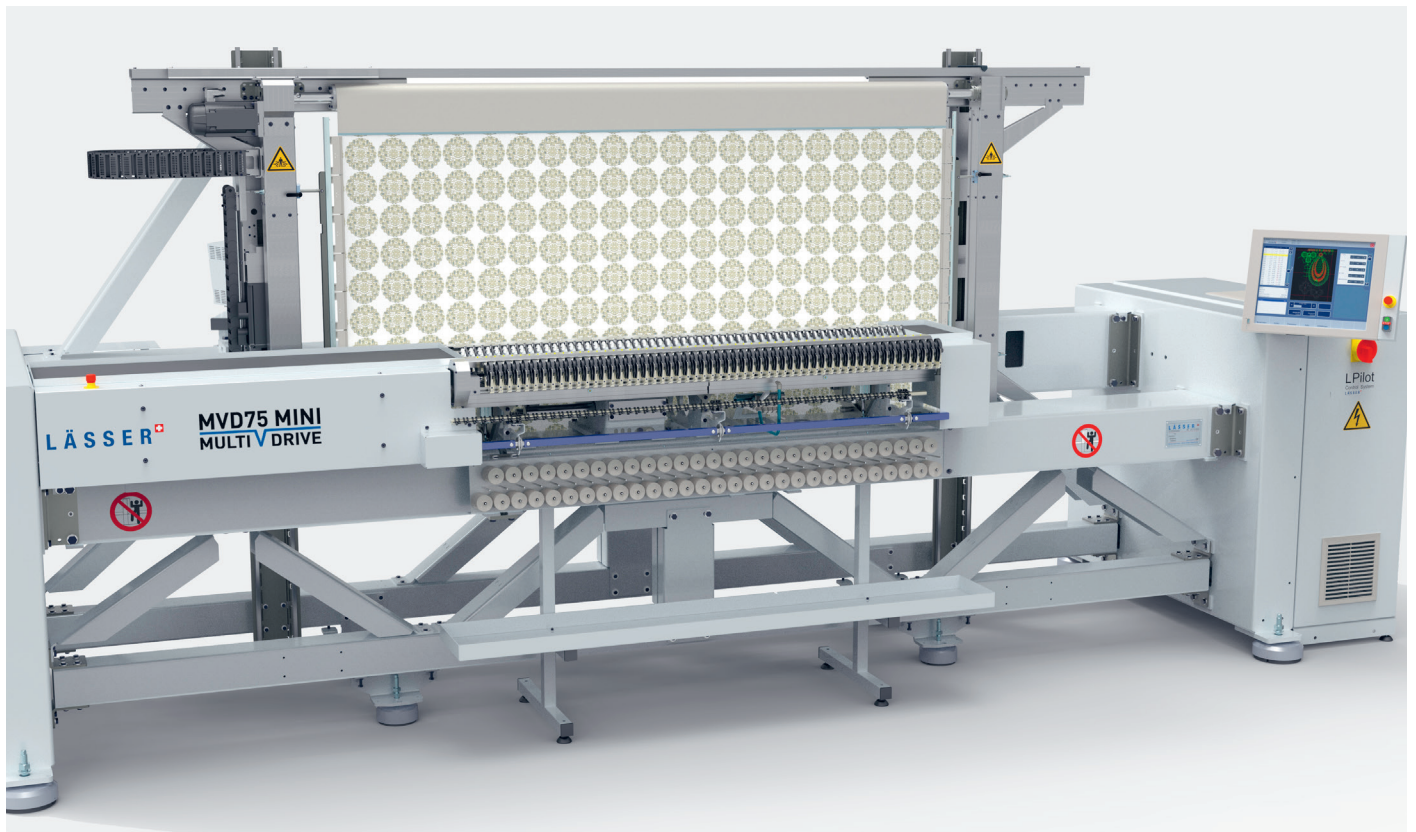
THE UNIQUE HIGH-PERFORMANCE EMBROIDERY MACHINE

The high-performance LÄSSER MVD75 shuttle embroidery machine represents the next generation of our successful MVD73. The mechanical part of the machine has been entirely designed and manufactured by LÄSSER, using top-quality materials and Swiss craftsmanship. A long standing collaboration with our suppliers from both Switzerland and across Europe guarantees the long-term availability of all components.

There is no longer a choice between high production speeds or superb embroidery quality - the sturdy and sophisticated design of this machine makes both possible. The machine software has been developed by LÄSSER, in collaboration with a leading manufacturer of electronic components. The software is extremely easy to use and provides the user with new setting and storage options.

The MVD75 MULTI V DRIVE can be equipped with all standard LÄSSER applications, such as sequins, cord/ribbon, ThermoCut or BlueCut - in the Classic 2 or Challenge 2 version.

Without a doubt: the LÄSSER MVD75 shuttle embroidery machine is the only choice for innovative businesses and embroidery companies.

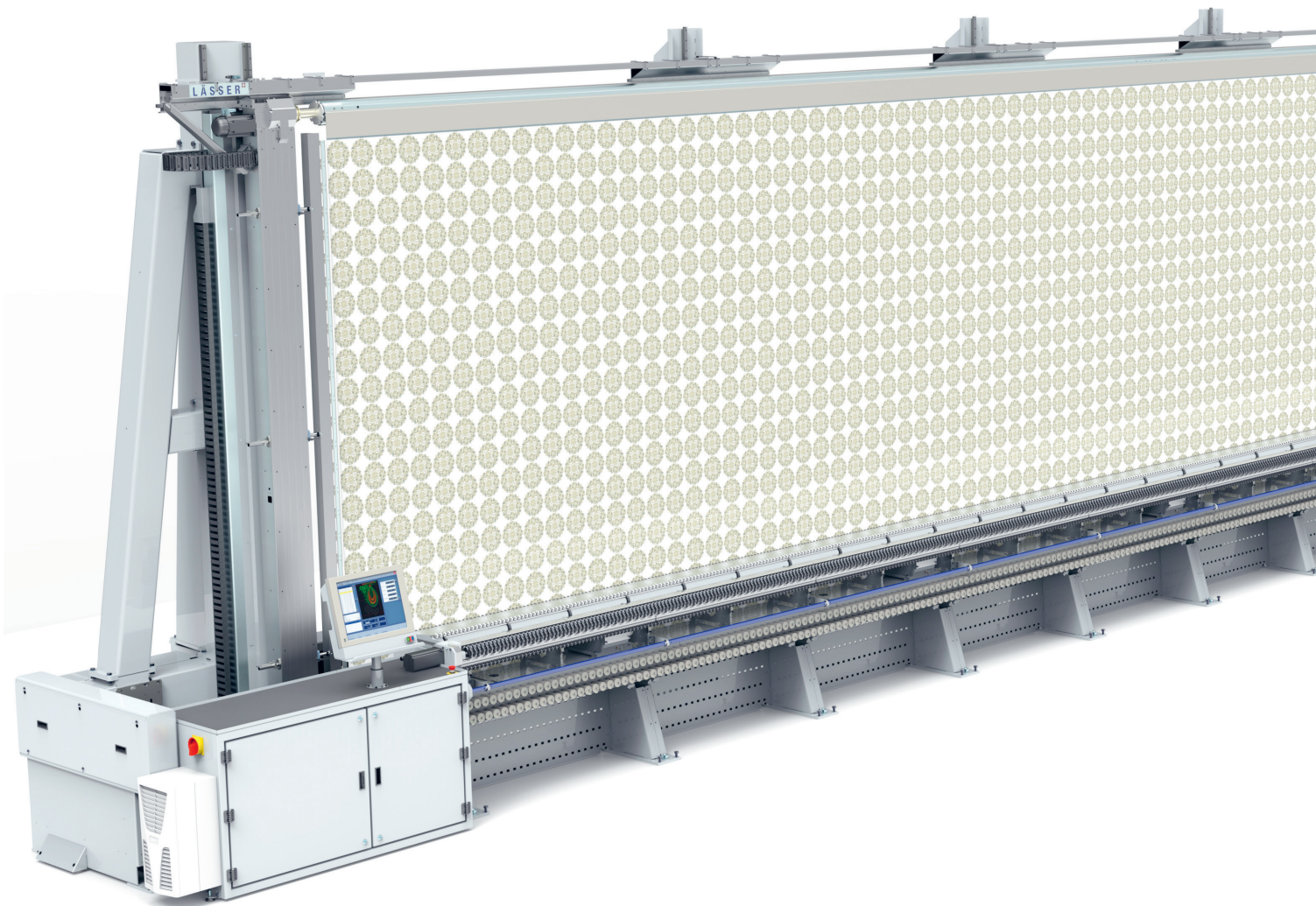


THE EMBROIDERY MACHINE FOR SAMPLES AND SMALL ORDERS

The LÄSSER MVD75 MINI is an indispensable tool for any modern embroidery business. Customer satisfaction, correct colour combinations, suitable choice of yarn and cost-effective production – all these requirements are met by the MVD75 MINI.

Thanks to the identical, user-friendly software, there is a smooth transfer of embroidery data from the sample machine to the production machine.

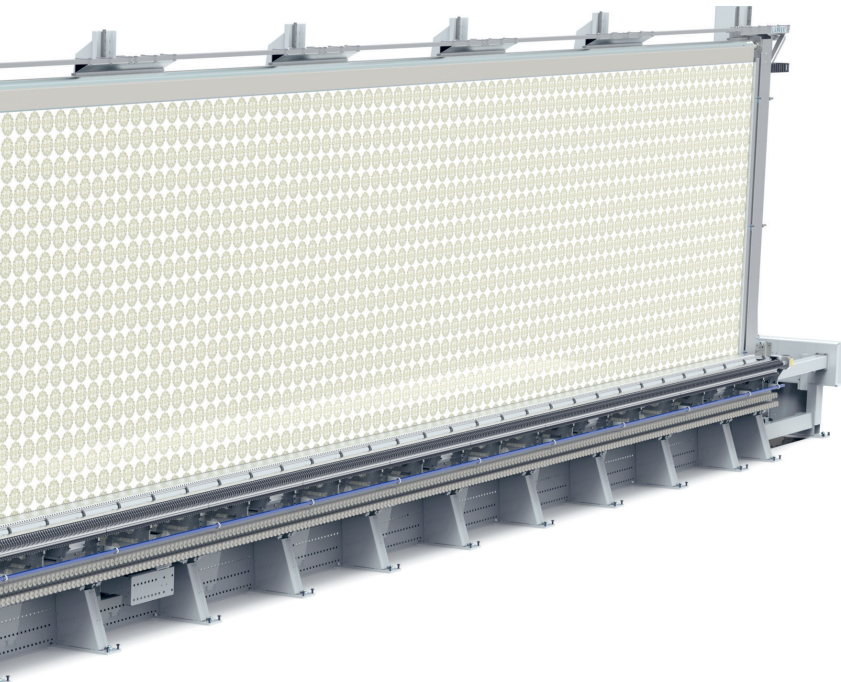
No question about it, the LÄSSER MVD75 MINI is the right choice for innovative businesses and embroidery companies.



LÄSSER MVD75-BF - THE BIG FRAME

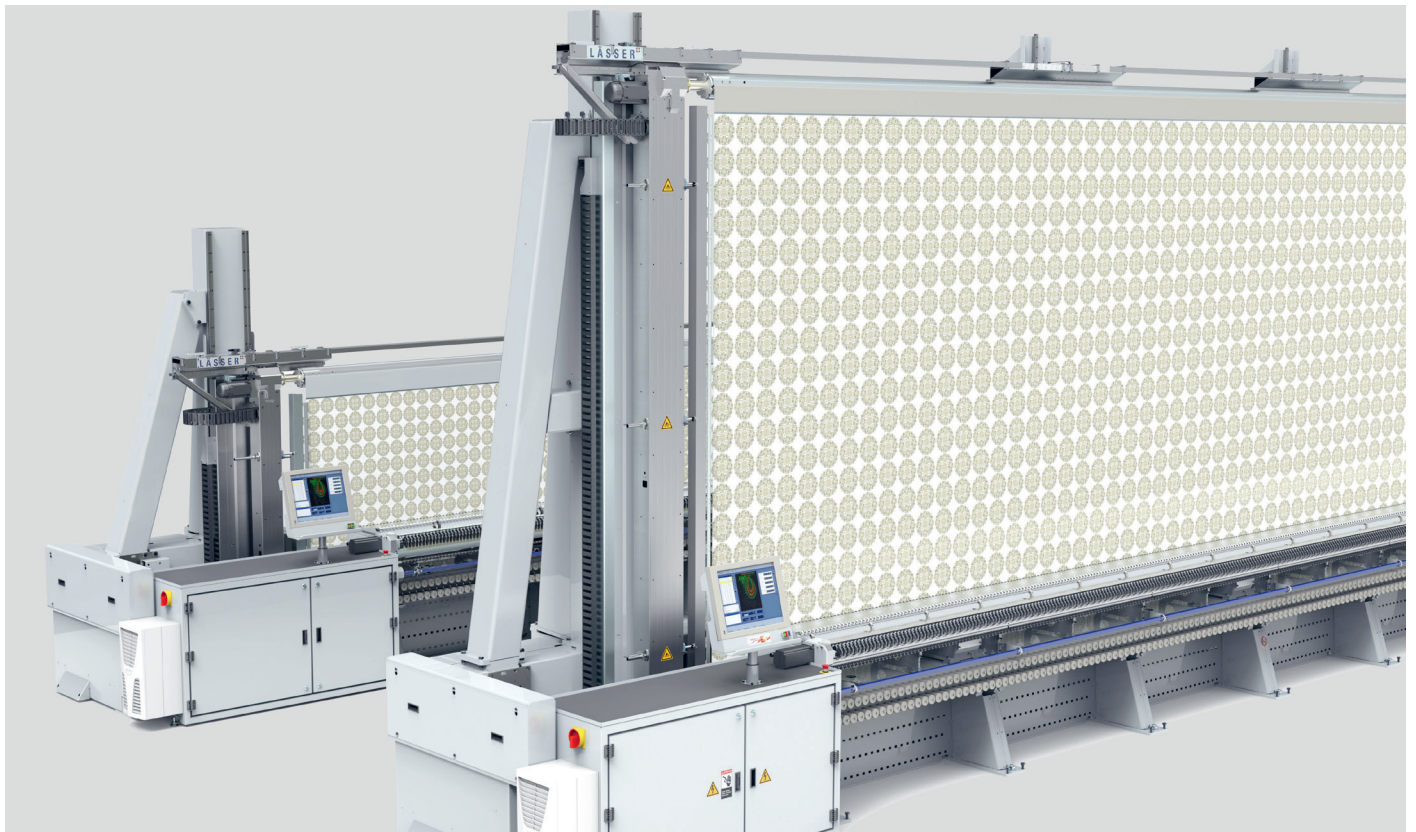
The LÄSSER MVD75-BF is another one of our product highlights. With a embroidery height of 285 cm, this embroidery machine is setting new standards.

Based on the highly successful LÄSSER MVD75 technology, the MVD75-BF Big Frame opens up new possibilities for creation, design and production. The sophisticated design of the LÄSSER MVD75-BF also keeps handling and operation simple and straightforward.



Comparing the MVD75-BF and MVD75

Without a doubt, the LÄSSER MVD75-BF represents another milestone for the company and is the perfect choice for completing your machinery.



STONE



LÄSSER LPilot – The intelligent control system

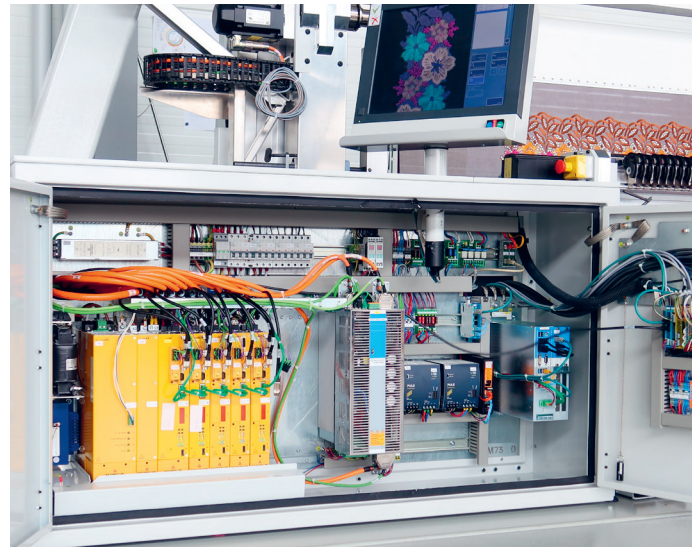
The entire control system of the MVD75 has been critically assessed and designed to deliver maximum performance, exceptional reliability and the lowest maintenance requirements.

Updating the software for the frame movement curves has achieved faster speeds with even better embroidery quality.

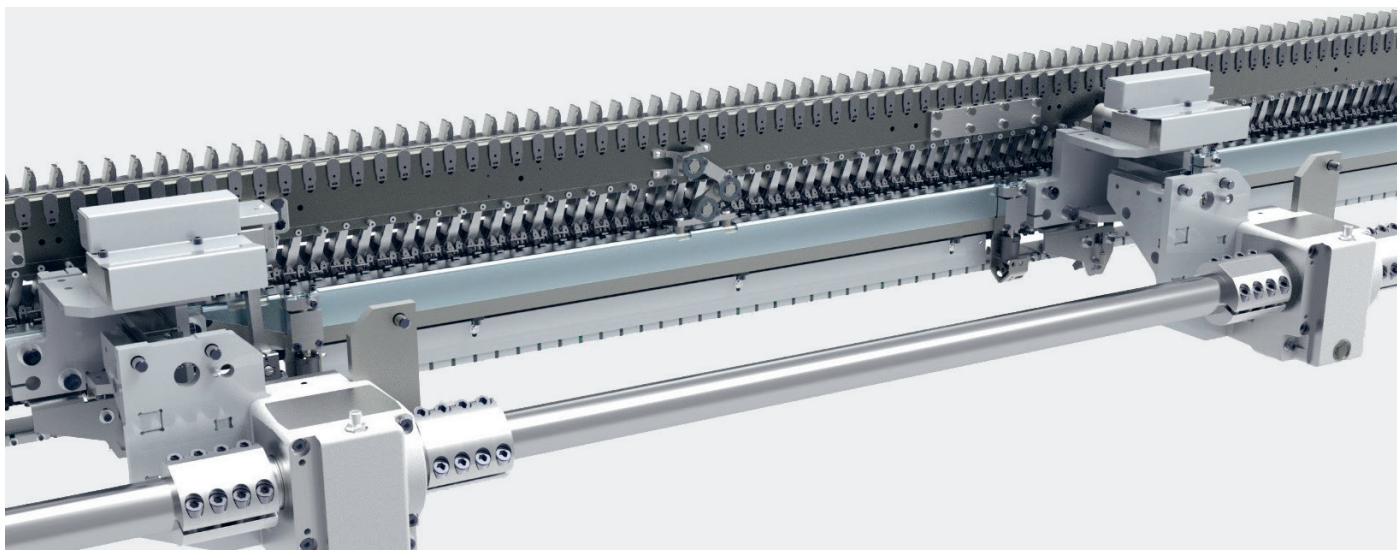
All machine functions are completely integrated into the LPilot software and a touchscreen is used to control everything - from the fabric presser for long stitches to the optimised bore movements, or the automatic release of the frame.

An optimised climatisation of the electric cabinet additionally improves the reliability of installed electronic components and extends their service life.

Other functions, such as BorerCut, re-embroidery or a revised speed profile, can be integrated for an even better performance.



LPILLOT – YOUR ADVANTAGE



MULTI CAM & MULTI V DRIVE – Shuttle drive par excellence

Further development of the cam mechanism (HARMONIC DRIVE) and the precise transmission of power have delivered, together with the trusted MULTI V DRIVE (articulated drive), a solution of striking simplicity.

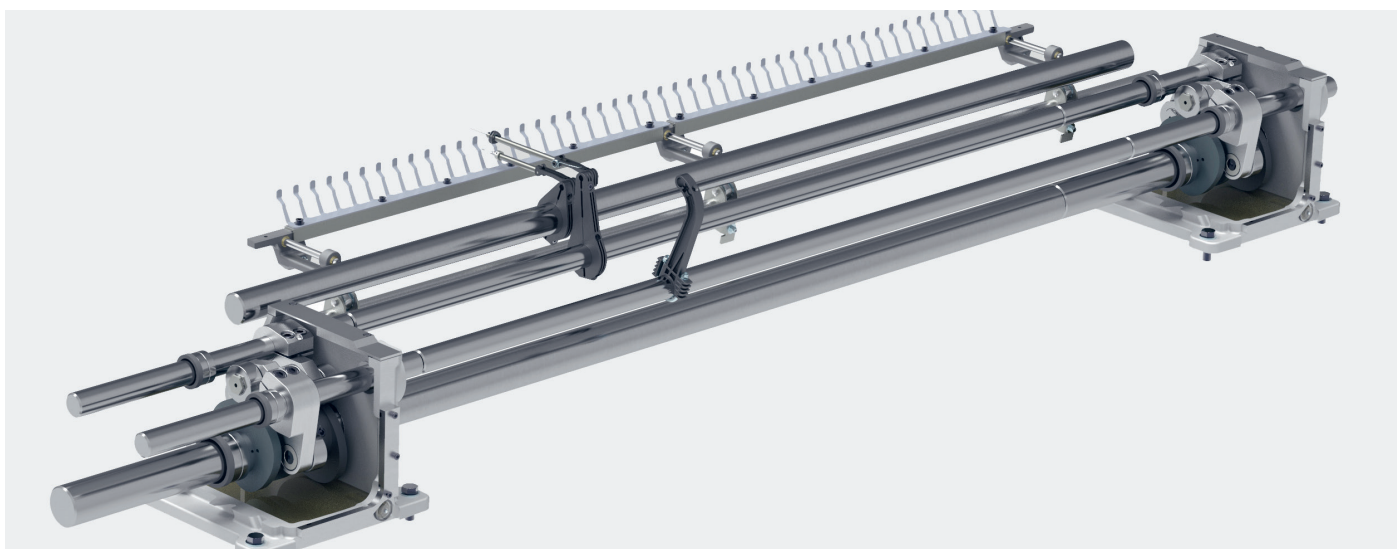
The result is an even smoother operation and less wear of the individual parts.

Superb embroidery quality is achieved, even at increased speeds, using high-precision processes with drastically reduced voltages and torsions.

MULTI DRIVE – Movement in perfection

The trusted MULTI DRIVE cam drives are mounted to the needle beam. The movements of the cam mechanism are smoothly transferred to the needle, fabric presser and thread guide.

Any oscillations or vibrations are minimised by the MULTI DRIVE cam drive, resulting in extremely precise movements. The drives require virtually no maintenance and boast maximum operational safety.



HARMONISED CAM DRIVES

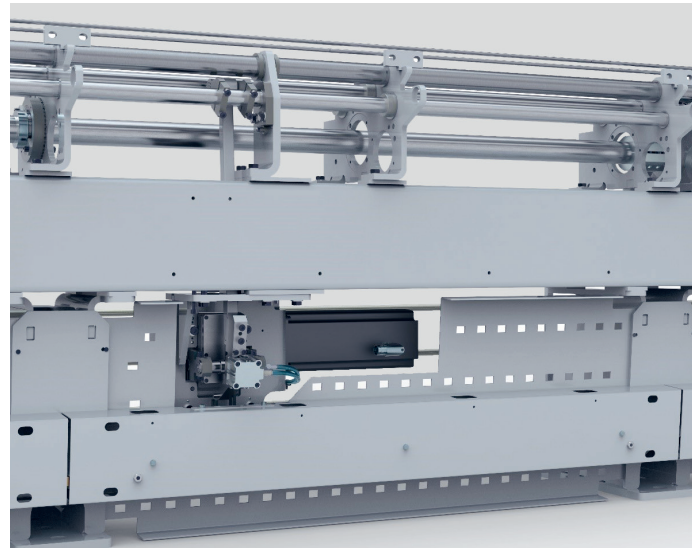


**SWISS
MADE**

COMPACT FABRIC PRESSER DRIVE

A precise servomotor is used to power the fabric presser drive for the MVD75. The cam drive is located in an oil bath and the housing is completely sealed.

The technology is energy efficient and maintenance free. The fabric presser can be set to fully automatic operation, which is particularly convenient when fabric thicknesses vary.

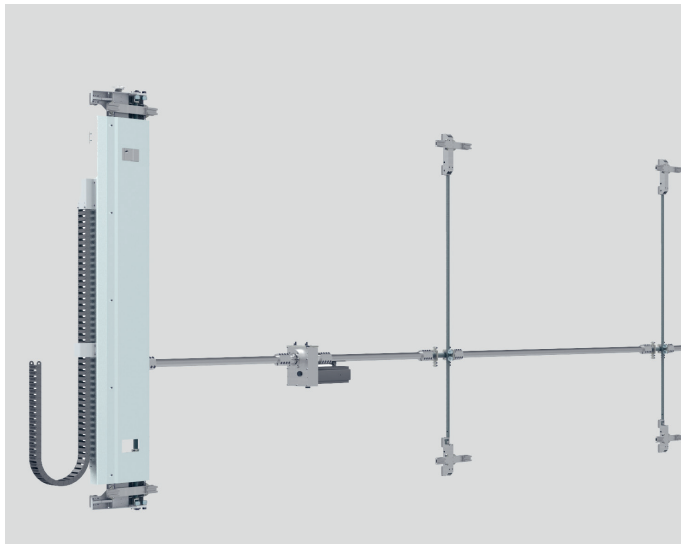


TORQUE-OPTIMISED FRAME DRIVE

The perfect interaction of thread feed and frame movement results in a torque-optimised embroidery process.

Slight reductions in speed are only necessary for very long stitches.

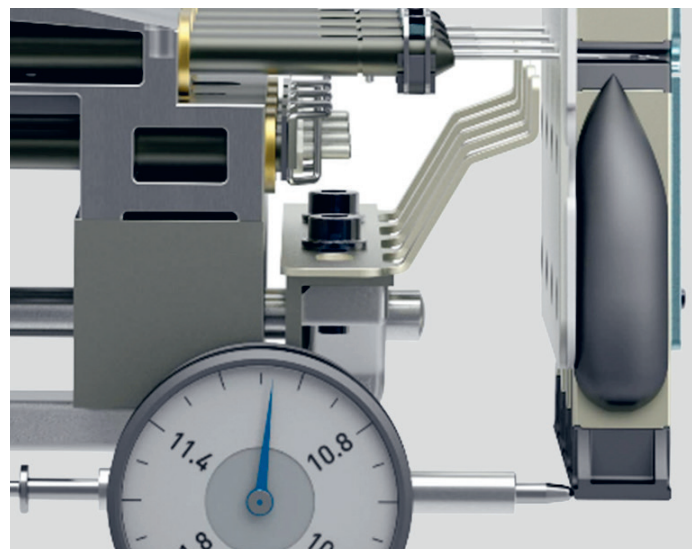
The low-maintenance, well-balanced frame drive guarantees smooth operation and an embroidery quality unlike any other.



CARRIAGE WIDTH - SERVO DRIVE

The opening and closing of the carriage width is driven by a servomotor. Precise adjustment of the carriage width, i.e. the distance between the needle and needle plate, is fully automatic and infinitely variable.

This adjustment function can be integrated into the program or executed manually. It is very useful when processing various yarns and fabrics.



MATURE TECHNOLOGY



TAILORED FEATURES

Depending on customer requirements, the MVD75 is available in the versions NR (standard needle ruler), MTC (manual tool change) or ATC CUT (automatic tool change with cut).

While the NR version is ideal for standard orders, the ATC CUT is more suited to complex and colourful designs.

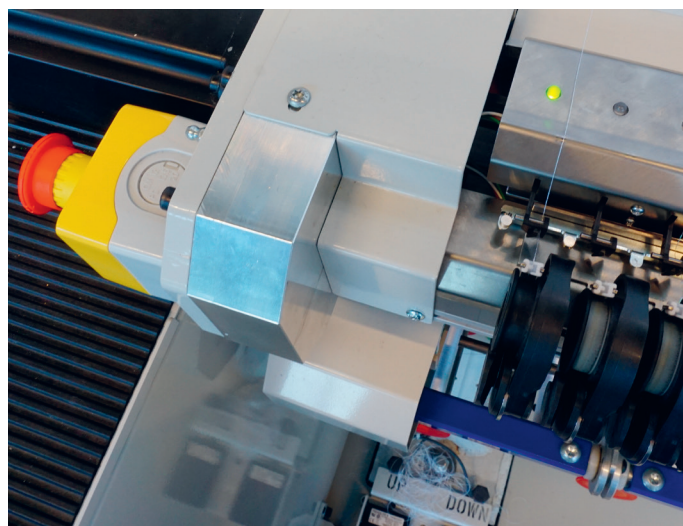
Both the NR and the MTC can be equipped with the V-FEED threading system.

SERVO FEED / V-FEED

The yarn is fed according to pattern, stitch length and speed.

The solid and robust SERVO V-FEED MTC allows for the quick and simple threading of the widest variety of yarns. Together with the trusted MTC system (manual embroidery position selector), the manual repeat change is completed in no time at all.

A superb thread grip and easy handling are also key features of the SERVO V-FEED ATC CUT.



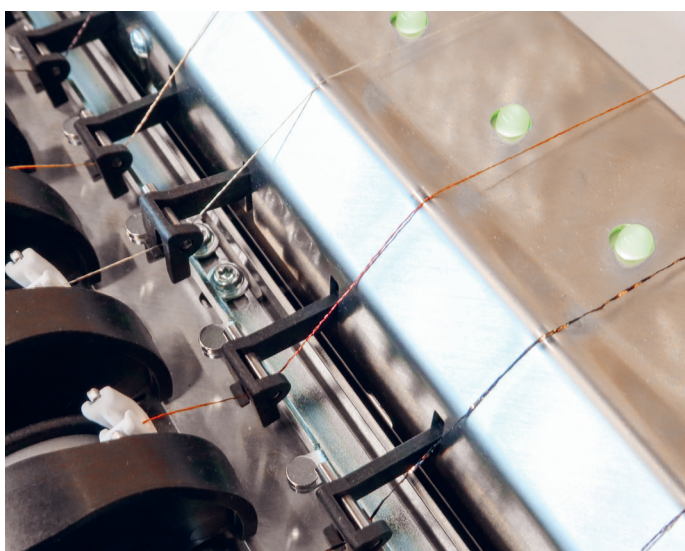
SINGLE THREAD STOP MOTION

The MVD75 embroidery machine monitors each individual embroidery position.

Should an error occur, the location of the error is shown on the screen and highlighted with an LED.

The thread monitoring system is fully integrated into the machine software.

A system that is completely closed and requires no contact, it also works perfectly with fluffy or dusty fabrics and yarns.



TAILORED FEATURES

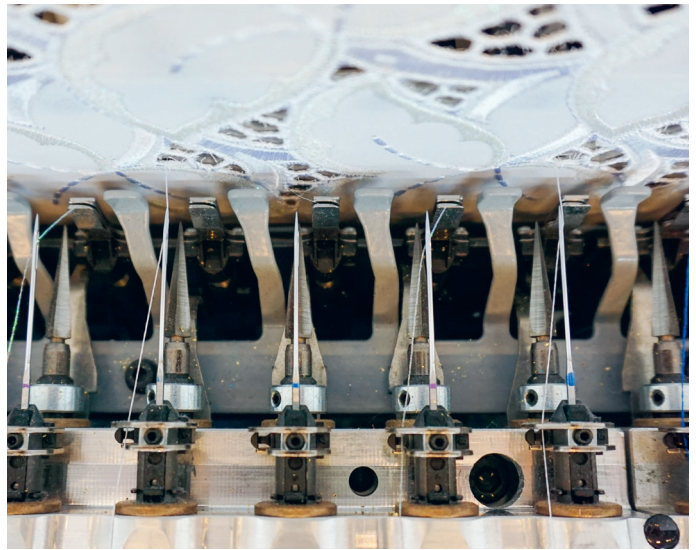


V-CUT – SINGLE THREAD CUT

The V-Cut single thread cutter combines customer-oriented development with reliable quality.

The cutting device is equipped with individual cutting elements that require little maintenance and are easily replaced as required or for cleaning.

The optimised V-CUT delivers an even better performance - on both the needle and shuttle side. With simplified processes and reduced process times, the most creative ideas are implemented cost-effectively.

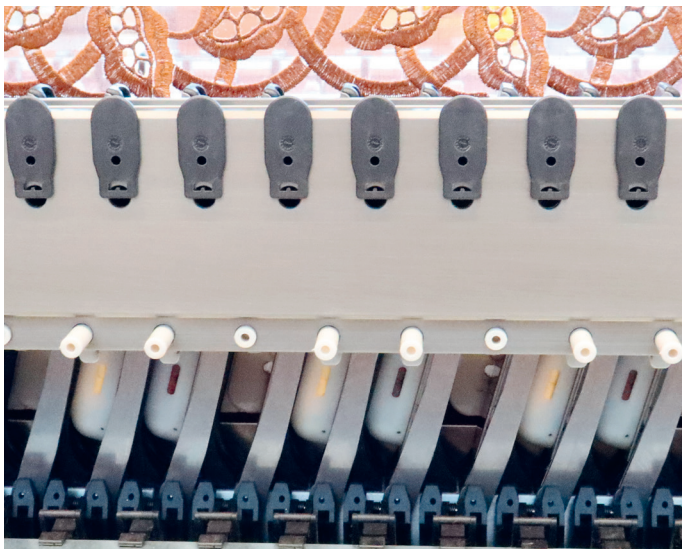


SSL – SHUTTLE STOP DEVICE

The shuttles for the corresponding needles are individually controlled using the SSL shuttle stop device.

Shuttles that are not being used are stopped completely. This minimises the risk of error considerably and makes it easier to handle difficult bobbins, such as those for cotton or textured yarn.

Shuttles can be replaced according to the repeat.



STG – SINGLE THREAD GUIDE

The thread guides are individually controlled, as are the corresponding needles.

The thread guides for unused embroidery positions are deactivated to avoid stretching, pulling or damaging the threaded yarn.

The low-friction ceramic guide rings and eyelets are extremely resistant to wear.



BRILLIANT SOLUTIONS





SEQUIN

More than 45 years of experience

With years of experience and a wealth of expertise, LÄSSER is leading the way in sequin processing.

The CLASSIC 2 sequin application is a very valuable addition, with which a wide variety of effects can be achieved.

With demand growing for sequin embroidery in various sizes and combinations, the superb double-sequin application provides the perfect solution.



Double sequins 5/5 mm

Double sequin application - for unlimited creativity

The two-shaft drive concept makes it possible to process two types of sequin at the same time.

Optimally arranged, the application is quick and very easy to use.

Sequin sizes: 7/7 mm, 7/5 mm, 7/4 mm
5/5 mm, 5/4 mm

Other combinations available on request



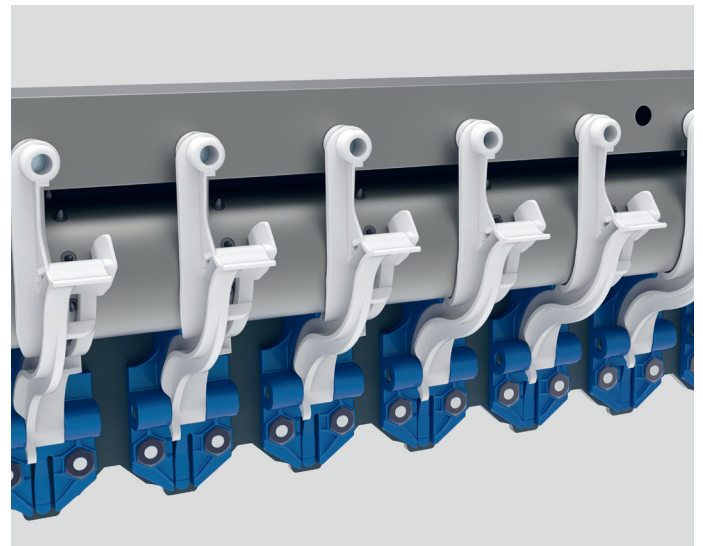
Double sequin application 8/4



Sequin application - simple to use, hassle-free and highly effective

The CLASSIC 2 sequin application is very easy to access and simple to use. The precise movements of the application produce a high standard of sequin embroidery.

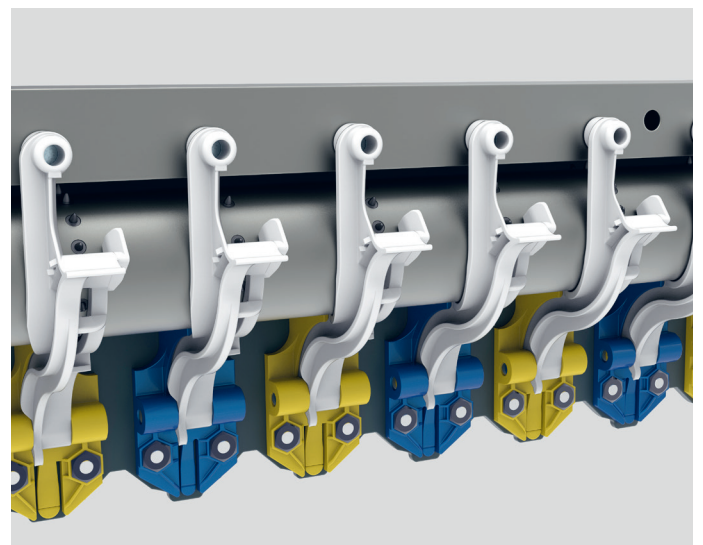
Thanks to the new drive concept, the sequins are positioned with astonishing speed. The smoothness of the CLASSIC 2 sequin application presents a key competitive advantage.



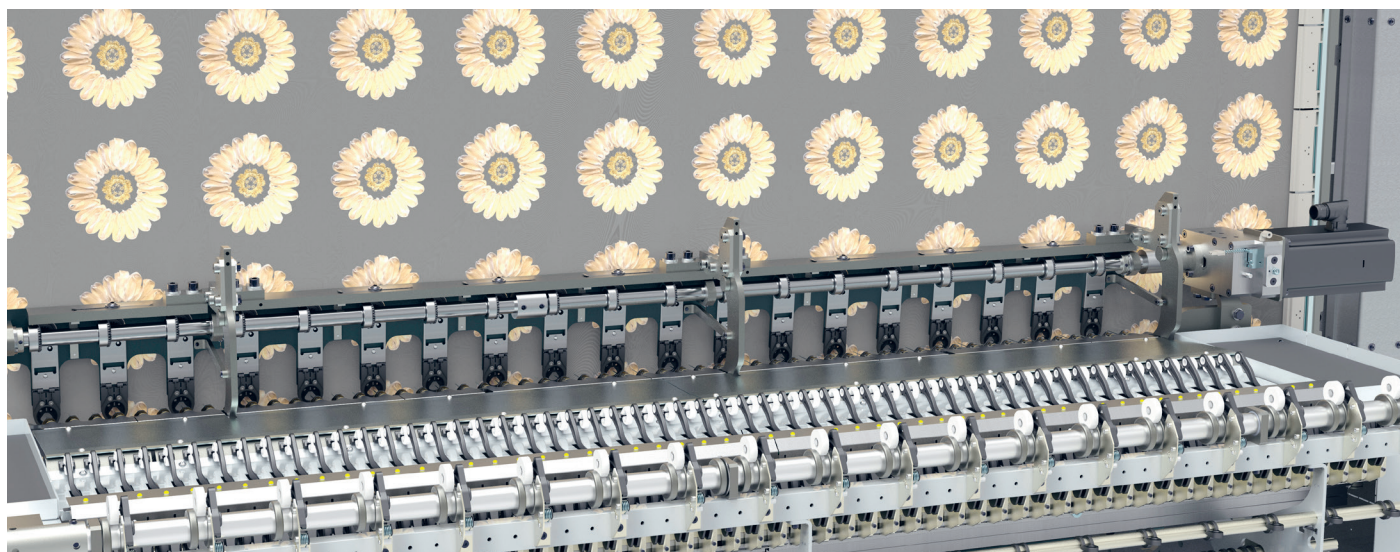
Sequin standard application 4/4

There are a number of sequin sizes available for CLASSIC 2: 3 mm, 4 mm, 5 mm and 7 mm.

With the Combo application, two different sequin sizes can be alternately applied. This means low investment costs and easy adaption to changing fashion trends.



Sequin combo application 8/4 - 8/4

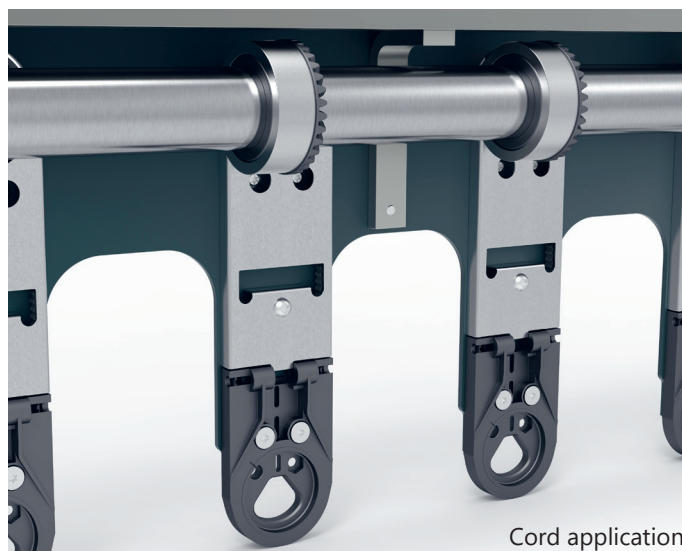


CORD & RIBBON

CLASSIC 2 is available as a cord and ribbon application.

The servo-controlled feeding system is fully automatic and always feeds the right amount of cord or ribbon to meet requirements. Regardless of whether the machine is processing cord, ribbon or yarn.

Fashion trends change quickly - cord is popular one day, customers are asking for ribbon the next. This is why the application has been designed to quickly switch between cord and ribbon.

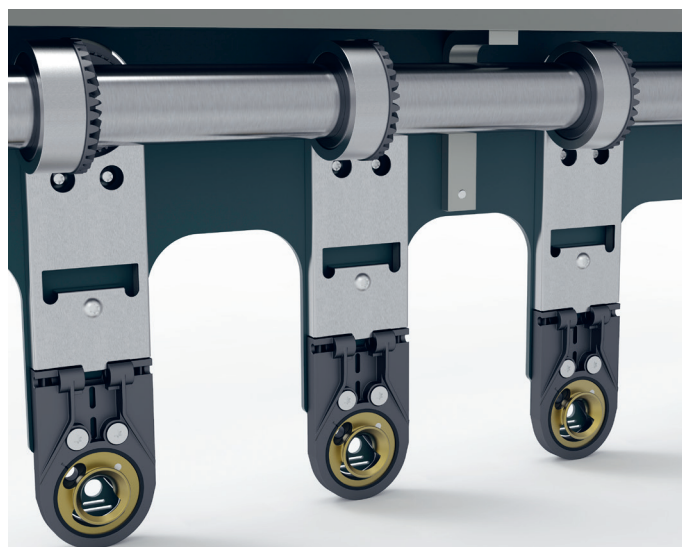


Cord application

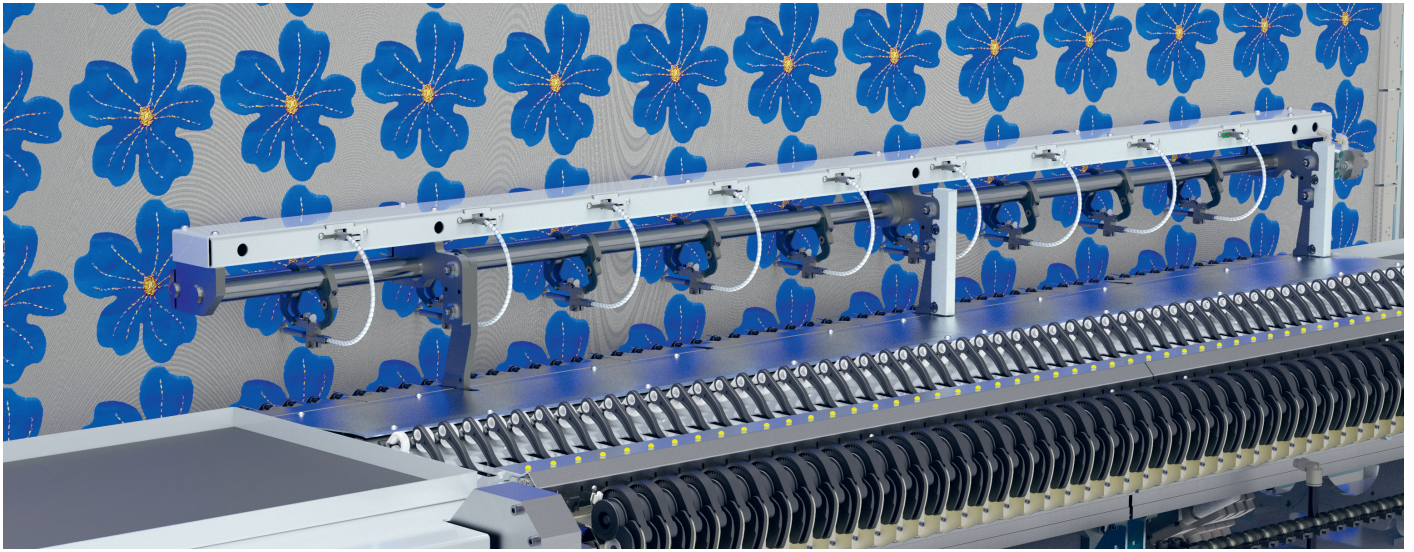
The beauty of three-dimensional contours

The CLASSIC 2 application carefully places the fine ribbon on the fabric to create fashionable shapes and patterns. A strong visual impact is made by the three-dimensional contours of the cord, which adds to the charm of the overall fabric.

Cords and ribbons enhance any type of fabric - whether for curtains, haute couture or a simple cushion.



Ribbon application

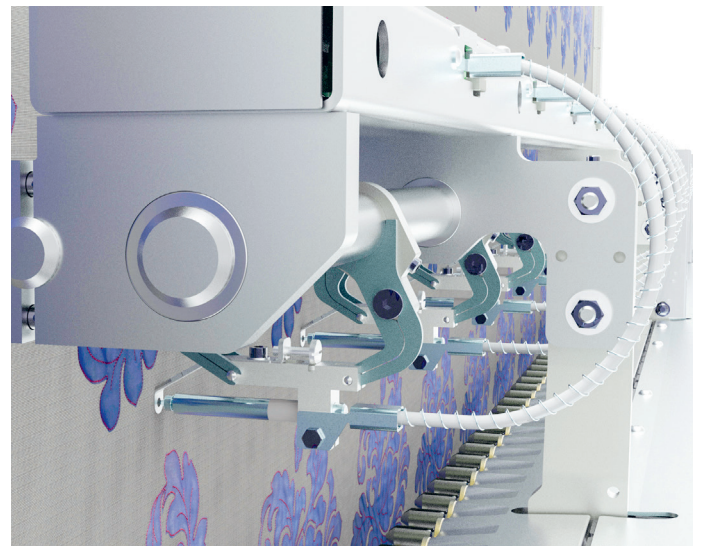


THERMOCUT LTC TH

High-end fashion - Exclusive opportunities

ThermoCut LTC TH technology combines years of experience with the trusted ThermoCut application and state-of-the-art technological expertise.

The cutting process requires no involvement by the operator. As there is virtually no smoke created when melting the material, there is no extraction required. The system is also very easy to service and maintain.



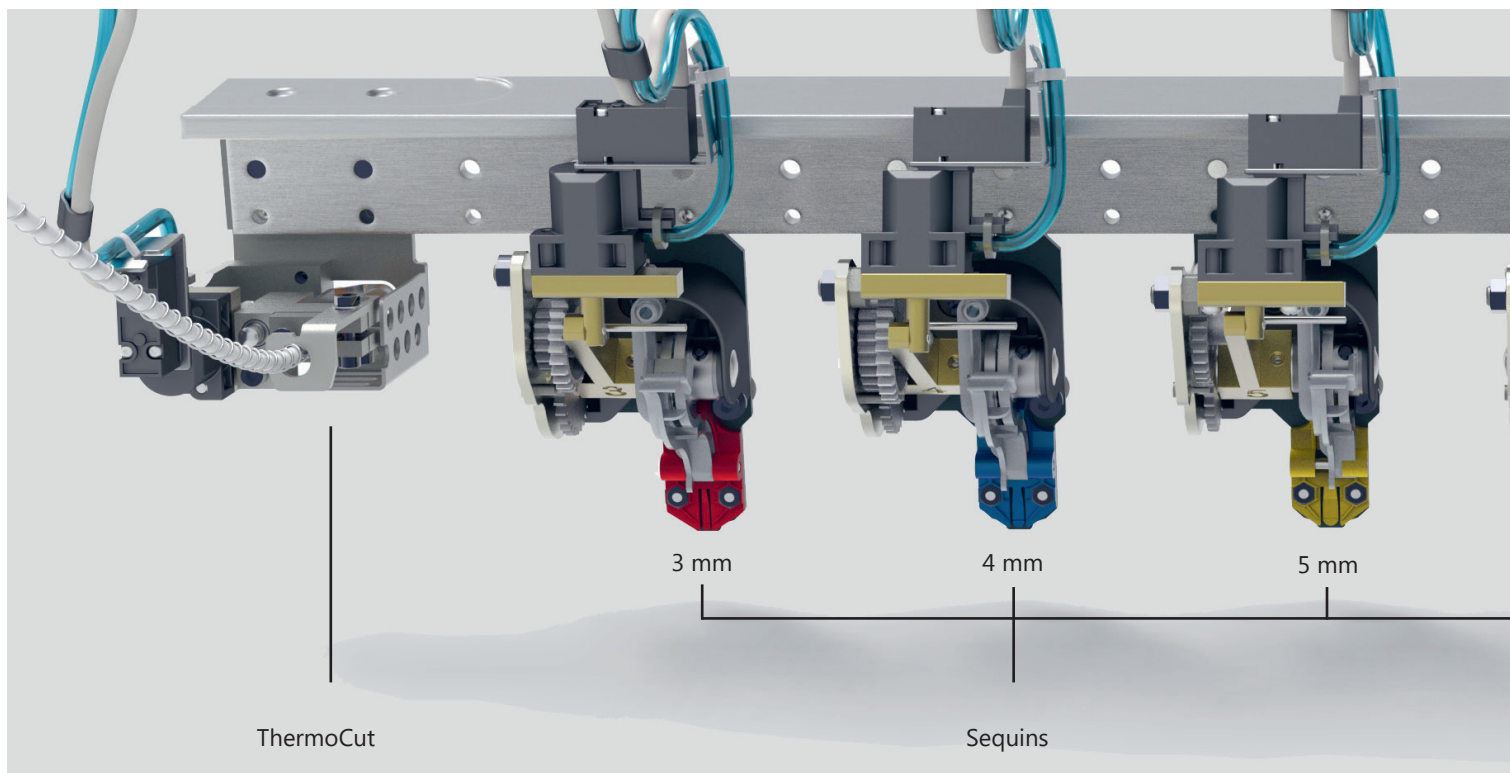
ThermoCut LTC TH application

Sophisticated and exclusive applications are possible in no time at all with ThermoCut LTC TH technology.

During development of the ThermoCut LTC TH application, our aim was to deliver premium quality while maintaining profitability.



ThermoCut LTC TH application



THERMOCUT

The ThermoCut LTC TH technology on the CHALLENGE 2 system combines years of experience in the field of hot cutting with the latest materials science research. Advanced TH technology is bringing cutting process performance to a whole new level.

The high precision of the LÄSSER ThermoCut LTC TH means the distance from the cutting point to the fabric can be accurately determined. The incision into the fabric is carried out without any damage being made to the backing. And because there are no vapours, extraction is not required. Operation of the application is straightforward so that cutting can be carried out at any time.

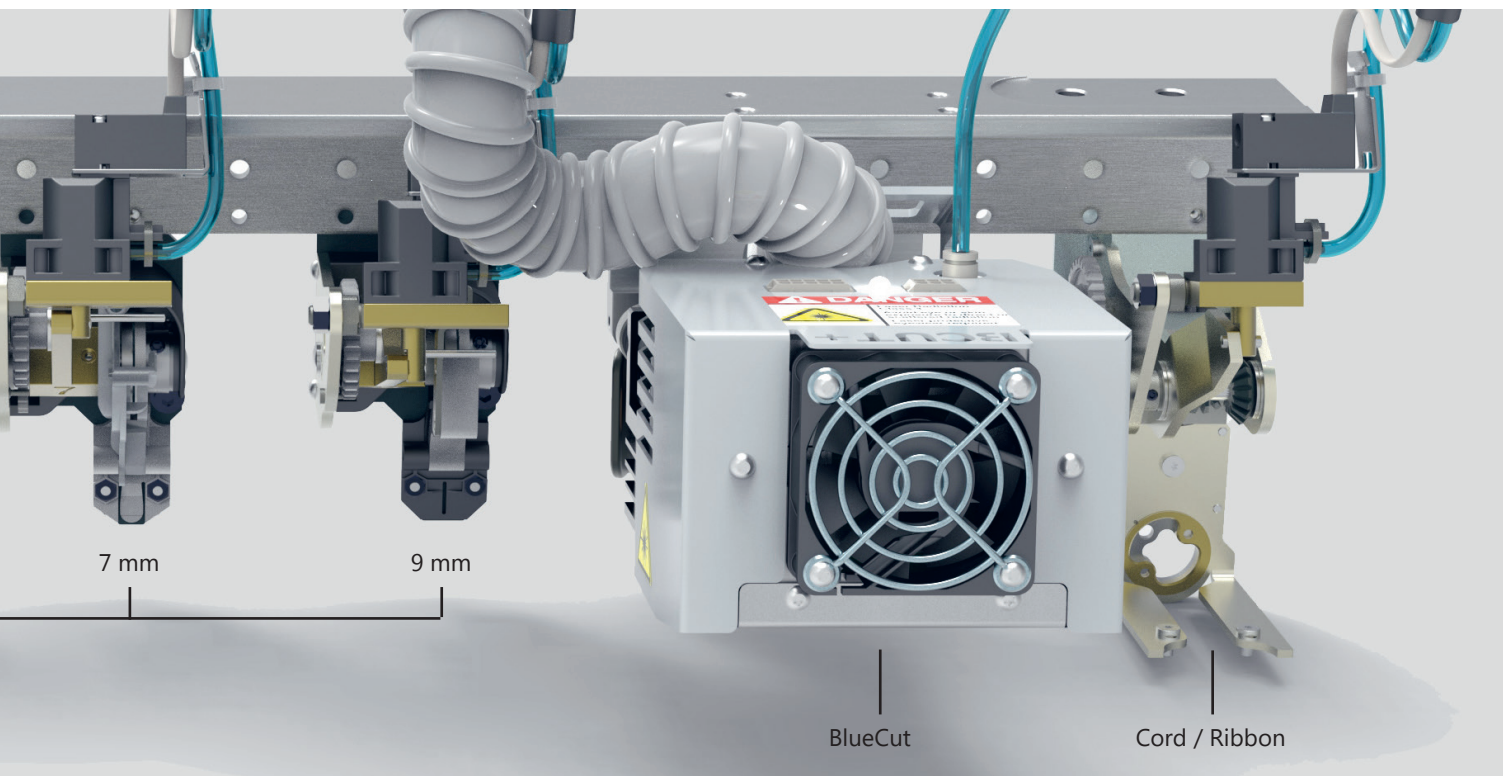
SEQUINS

The original from the pioneer of sequin embroidery - the LÄSSER sequin application on the LÄSSER CHALLENGE 2 is the ultimate sequin tool. This extremely smooth-running application is available for sequins from 3 mm to 9 mm.

With applications for a variety of sequin sizes, the possibilities are endless. Feeding the sequins is quick and easy. Sequin embroidery represents exclusivity, whether it's on the red carpet, at an Indian wedding or any other special occasion. We have invested more than 30 years of experience into the CHALLENGE 2 sequin application.



CHALLENGE 2



BLUECUT

The BlueCut application opens up a whole world of creative opportunities. It is part of the CHALLENGE 2 system, which makes the BlueCut application extremely flexible.

The BlueCut can be equipped with a 48/4, 72/4 or 96/4 repeat, making cutting the pattern very easy. As the BlueCut application is fully integrated into the CHALLENGE 2 system, it is considerably faster and easier to use. The BlueCut is practically maintenance-free. The excess material is extracted directly from source, keeping the machine clean and tidy. Anything is possible, whether it's polyester, leather, cotton or even lurex metallic yarn. Several layers can also be cut at the same time.

CORD / RIBBON

Decorative table cloths, embellished fabric for clothing or curtain trimmings, just a few of the many applications for which the ribbon/cord application is ideal.

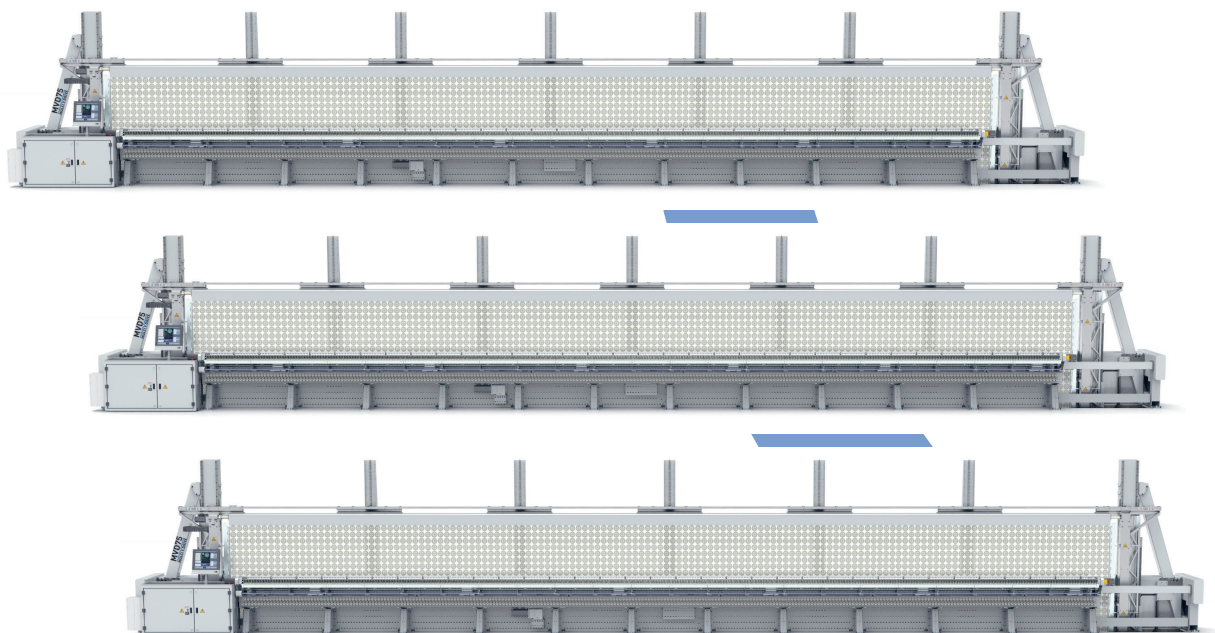
The integration of cord into a design creates a special three-dimensional effect. The cord application on the CHALLENGE 2 system is suitable for designs with cord and can be used in combination with other CHALLENGE 2 applications. This updated cord application comprises an upper and lower unit. While the upper unit is attached to the CHALLENGE 2 system, the lower unit is secured to the machine. This allows for the use of the lift during processing, which in turn means better accessibility and visibility.





THE THINK TANK

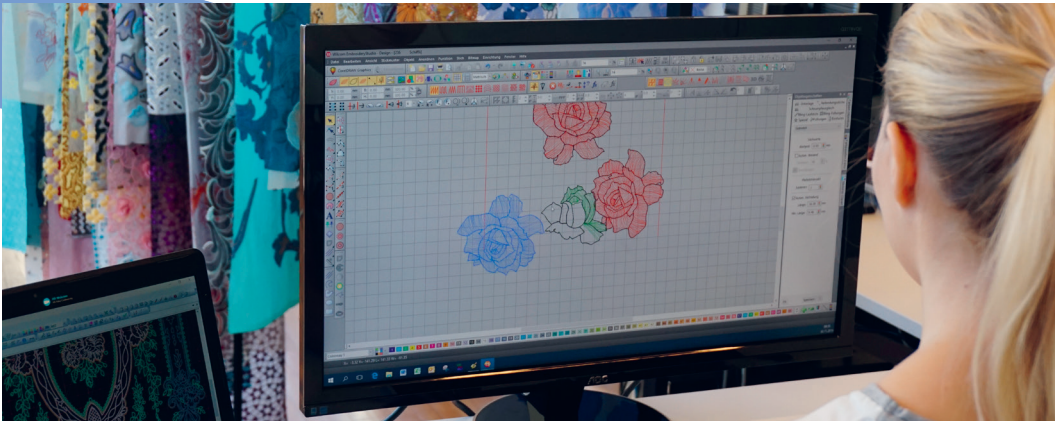
Where ideas and creativity flow – the creative team develops new designs and patterns.



THE PRODUCTION

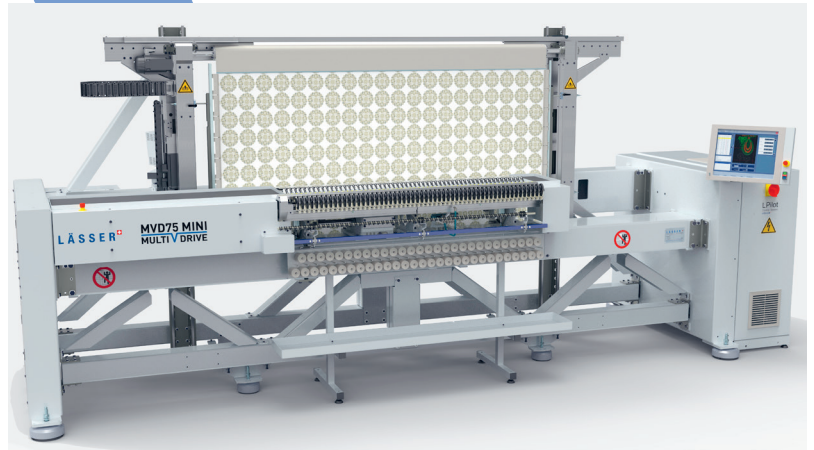
The commercial production runs on the high speed LÄSSER production machine with extreme efficiency.





THE PUNCHING & EDITING

The transformation of creative ideas into machine data.



THE SAMPLING

The designs turn into reality on a LÄSSER MVD75 MINI sampling embroidery machine.

THE EMBROIDERED SAMPLES

The designs are presented and selected and orders are placed.



FROM DRAFT TO FABRIC



LÄSSER AG

Stickmaschinen - Embroidery Machines | Industriestrasse 1 | 9444 Diepoldsau | Switzerland
Tel.: +41 71 737 92 92 | sales@laesser.ch | www.laesser.ch