STOLL
ONE COMPANY – MANY POSSIBILITIES
Welcome to Stoll. As one of the most traditional manufacturers of flat knitting machines, Stoll stands for intelligent and efficient knitting technology.

Our portfolio includes flat knitting machines and pattern software which are used for the production of fashionable, technical and medical textiles which are successfully exported to 70 countries worldwide. In the area of Fashion & Technology, we at Stoll put our minds together. Stoll is an innovative developer as well as the interface between market and fashion on the one hand, and technology on the other. Stoll uses technical textiles to provide intelligent and sustainable solutions.

With Stoll by your side as a valued partner, we will work together and create new application possibilities and set trends.

Discover Stoll. With subsidiaries, sales and service centers and numerous representative offices worldwide, we offer a comprehensive service concept.

With kind regards,

Heinz-Peter Stoll
Member of the Advisory Board
The company Stoll was founded on 27th July 1873.

1873: The company Stoll was founded on 27th July 1873.

1892: World’s first functional Links-Links hand flat knitting machine.

1919: First automatic all needle knit narrowing knitting machine.

1958: World’s first automatic Links-Links transfer flat knitting machine LIUM.

1963: First fully automatic Fully Fashion all needle knit flat knitting machine type 220.
Since 1873 – STOLL

1987
Presentation of the first CMS machine

2010
Presentation of the new CMS HP generation

2013
New CMS ADF-3

2014
Presentation of the Production Planning System (PPS)

2015
Presentation of the growing ADF family “World of ADF”
The Stoll Patternshop is a source of inspiration. Here customers have the option of downloading a variety of pattern programs. This database represents a comprehensive worldwide store of knowledge, which is available only at Stoll.

More information can be found at patternshop.stoll.com
WHERE FASHION & TECHNOLOGY HAS A HOME.

Stoll Fashion & Technology is a think tank, an accomplished partner and much more: This is where everything is developed, from the initial ideas right through to the finished knitting panel. During this process, putting the developed knitting panel on the knitting machine plays a major role. In addition to the qualified and dedicated Fashion & Technology personnel, the Stoll Fashion & Technology Showroom in Reutlingen represents a key element. This is where Stoll presents its innovative collections and gives customers and partners new inspiration. Useful tools such as the modern Capsule Collections and the Patternshop form a valuable unit. The Fashion & Technology area is also an interface between market and fashion on the one hand, and Stoll technology on the other.

The opening of the Fashion & Technology Center in Manhattan, New York in 2009 was a further milestone in the history of Stoll. At over 1,400 square meters, this center offers a great deal of service and support – and not only for the American knitwear market. Stoll demonstrates an important presence at its New York location and offers exclusive seminars and workshops for customers and other industry professionals. Current knitting trends and pattern collections are interpreted and implemented on our flat knitting machines. To this end, dedicated and talented specialists both in Reutlingen and New York contribute to the success of the Stoll brand. International design and trend-setters as well as the worldwide market demands and current trends from the fashion world offer inspiration. The Fashion & Technology Showrooms in Reutlingen and New York are hot spots for Stoll knitting ideas.
TECHNICAL TEXTILES

AESTHETICS, FUNCTIONALITY AND TECHNOLOGY

Stoll combines the possibilities of intelligent and efficient flat knitting technology with the textile requirements of tomorrow. New creative spaces that can be implemented productively are being created.

The vision of knitting is two and three-dimensional, i.e. a knitted piece fulfills more than one function and is more than just a shape. This results in the creation of new technical applications for society.

The areas of application are diverse:
• Medical technology
• Sports industry
• Spa industry
• Industrial technology
• Electronics and entertainment industry
• Lifestyle industry
• Transport and logistics
• Furniture industry
When it comes to technical textiles, it is not uncommon for niche products to become products in attractive growth markets. This allows you to further benefit from the great application and production potential of Stoll flat knitting machines for technical textiles. Even complex shapes can be produced in a material-saving way and without waste. Even small piece quantities and single parts can be produced economically thanks to short set-up times.

Would you like to knit for the market of tomorrow, today? We are happy to offer you support with our great deal of practical experience and our corresponding flat knitting technology.

We accompany you as a partner from the consultation phase to the subsequent product implementation, through set-up and on to after-sales service.
As it kept on developing its products further, Stoll has created a technologically innovative family of machines that are opening up completely new knitting possibilities thanks to their unique features. In the future, knitters and designers will assuredly be able to rely on unrivalled knitting quality. A perfect final knitting result is what the machine evolution is all about. At the same time, Stoll relies on proven ADF technology like the yarn carriers that can be moved horizontally and vertically independently of each other for unlimited design variations. Technological innovations have moreover made this generation of machines many times more powerful: optimised plating technology and entirely new knitting technologies such as Stoll-weave-in® and Stoll-ikat-plating® make unprecedented knitting designs and looks possible, for instance knitted-in patterns or print knit effects.
HIGHLIGHTS OF THE ADF FAMILY

Quick and time-saving. The CMS ADF models stand out thanks to their economic efficiency. As a result of the reduced number of carriage strokes and the fact that the yarn carriers are independent from the carriage, knitting sequences are noticeably optimized, resulting in a significantly reduced knitting time. The reduced set-up time, as a result of quicker and easier threading, also ensures time is saved. The CMS ADF models guarantee economic efficiency and enable cost reductions for each garment made.

1. One yarn carrier for everything
A single yarn carrier for all knitting techniques. Intarsia and also Plating or Inlay technique, can now be produced in a garment without conversion of the yarn carriers.

2. 16 tracks
The total of 16 tracks with two yarn carriers each allows significantly easier programming of sophisticated patterns. The corresponding numbering of the rails facilitates threading.

3. Yarn carrier setting
Easier, quicker, more user-friendly: The yarn carriers are set horizontally and vertically via the pattern setup. These settings can be transferred to other machines with the pattern program in order to save time.

4. Two yarn carriers on one track
The minimum distance between two yarn carriers on the same track has been reduced to two inches.

5. V-shaped arranged yarn control unit
The V-shaped arranged yarn control unit supports a crossfree, direct yarn feeding.

STOLL
THE PERFECT PERFORMANCE

Productive, flexible and reliable - simply Stoll. It is a widely known fact that Stoll is always looking to increase the productivity of its machines. This productivity, in addition to flexibility and reliability, is a key element of modern knitting machines.

The well-known rapid carriage reversal point of Stoll machines guarantees short knitting times thanks to the Power-RCR - especially in the case of knitting panels with a high number of short strokes. The convenient height of all important machine elements enables the user to work very ergonomically on a CMS machine.

SMALL

THE SMALLEST MODELS AND HIGH-EFFICIENT KNITTING MACHINES.
CMS 502 HP+ | CMS 502 HP+ multi gauge

KNIT & WEAR

A COMPREHENSIVE RANGE OF CMS MACHINES FOR READY-TO-WEAR GARMENTS.
CMS 530 HP KNIT & WEAR | CMS 822 HP KNIT & WEAR
CMS 730 T KNIT & WEAR | CMS 830 C KNIT & WEAR
CMS 830 S KNIT & WEAR
THE ORIGINAL HAND-KNIT LOOK.
CMS 520 C+ MULTI GAUGE

THE COMPACT, VERSATILE AND MULTI-TALENTED MACHINES.
CMS 530 HP | CMS 530 HP MULTI GAUGE

THE LONG TANDEM MACHINES CONVINCE WITH THEIR PRODUCTIVITY.
CMS 822 HP | CMS 822 HP MULTI GAUGE | CMS 933 HP | CMS 933 HP MULTI GAUGE
Stoll’s variety of different knitting techniques enables absolute design freedom. Stoll Intarsia is the most productive solution for boundless color and pattern possibilities. The tried and tested Stoll knitting technique offers even more color variations alongside optimum productivity. Using Stoll-multi gauges® and Stoll-flexible gauge®, various gauges can be knitted on a single machine. Stoll-knit and wear® is the compact solution for new and unusual knitting designs. The unique Stoll knit and wear technology combines several processing steps into a single, economical process. The result is a high-quality, seamless knit garment that provides maximum wearing comfort. For particularly coarse knit patterns, Stoll has developed a needle that can accommodate significantly more yarn and thus more individual threads. Stoll’s coarse knitting technique therefore has obvious advantages: coarser stitches can be produced – the results are extra-coarse garments with a genuine hand-knitted look.

The techniques developed by Stoll can be used to achieve a variety of pattern effects. Stoll-devoré knit®, Stoll-racking effects®, Stoll-applications®, three-dimensional Plush articles, Plating, Structures and many more knitting techniques come together to make knitting with Stoll an economical process with the highest degree of design and pattern freedom. For optimum knitting results.
If you simply want more from your knitwear production, Stoll is the place for you. Stoll knitting techniques provide an effective basis for exceptional design freedom on the one hand, and optimal knitting results on the other. Allow yourself to be captivated by unlimited knitting possibilities.
Stoll Software Solutions provide added value that not only simplifies daily work, but also has noticeable long-term positive effects on productivity. Stoll has developed its own internet platform to provide customers with even better service. This platform provides an overview of the various Stoll application tools. Stoll Software Solutions are presented individually in five usage categories: management tools, flexibility, pattern software, connectivity and operating systems.

Find out more about these options at: www.stoll-software-solutions.com
M1plus® pattern software from Stoll is the most effective solution for producing patterns for a highly-optimized knitting process. The knitting process can begin with just a few clicks. M1plus® is designed so that numerous automations and functions are already stored in the Stoll Explorer Database and can be used directly with a single click. This makes knitting with Stoll an extremely productive process. At the same time, the pattern software offers complete flexibility: individual knitting processes and color adjustments can be applied easily by the programmer via the Stoll Arrangement Tools.

M1plus® pattern software is the ideal partner for the productive manufacture of knitted products.

More information at: www.patternshop.stoll.com
Vocational training

Apprenticeships and vocational training are as much a part of Stoll as flat knitting machines. The company has been active in this area since its beginnings and offers training places and courses of study in various disciplines. Here, theory and practice are united equally. Also helpful and important are the partnerships and cooperation with universities, various institutes and chambers of industry and commerce.

Each year, Stoll trains over 2,000 knitting technicians worldwide. Our training center at the Reutlingen head office offers international courses, ranging from training on hand flat knitting machines to Miplus® pattern software courses. Here you can learn knitting as a beginner or advance into the technical intricacies as a professional. This service is not limited to Reutlingen. We offer training courses at our subsidiaries and representative offices all over the world – look for us in your area.
The original is only available from Stoll, and better still with the seal of confidence. Stoll customers know and appreciate not only the new generations of Stoll machines, but also trust in serviced and inspected Stoll machines. All refurbished CMS machines come with a twelve month guarantee. The range of used Stoll machines can be found online and is constantly being updated. If necessary, we also offer gauge conversion for used CMS machines.

More information about the range of used and demonstration machines is available at:
www.reconditioned-machines.stoll.com
Disassembly and cleaning of all components to be inspected.

Repair of paint damage.

Refurbishment of needle beds, gauge conversion on request.

Assembly with test run and final inspection.

Carriage refurbishment.

Electronics inspection.

**BENEFITS FOR YOU**

- All Stoll machines are serviced and cleaned according to internal company quality procedures.
- The machines must undergo a trial run before they can be shipped.
- Original spare parts.
Stoll Financial Services is a subsidiary of H. Stoll AG & Co. KG and was, at its core, founded as distribution support for difficult financing abroad. Stoll Financial Services sees itself as a globally active financier for selected companies and exclusive cooperation partnerships. Thus, export-oriented companies also benefit more and more from the experience and activities of this financing subsidiary. This collective expertise can be found on Stoll’s financing platform, which can be viewed at www.stoll-financial-services.com.
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