



ALLSTEIN

**Excellence
in flexographic
printing**



ABOUT US



Made by Printers. For Printers.

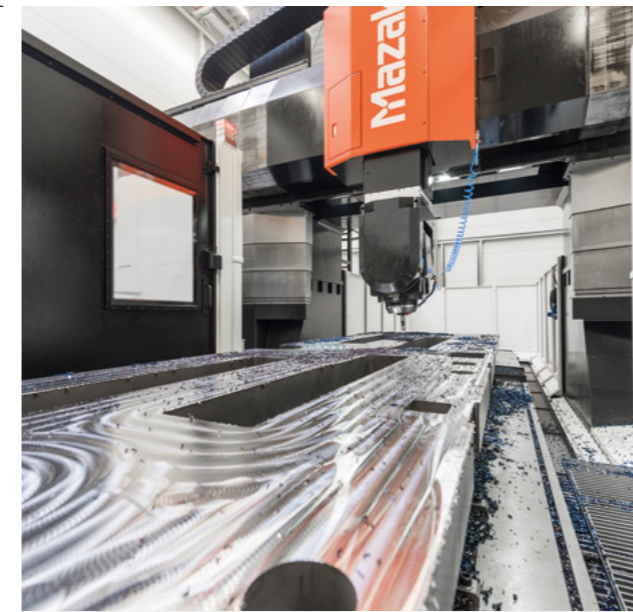
Our mission: to build the best and most productive CI flexo presses on the market.

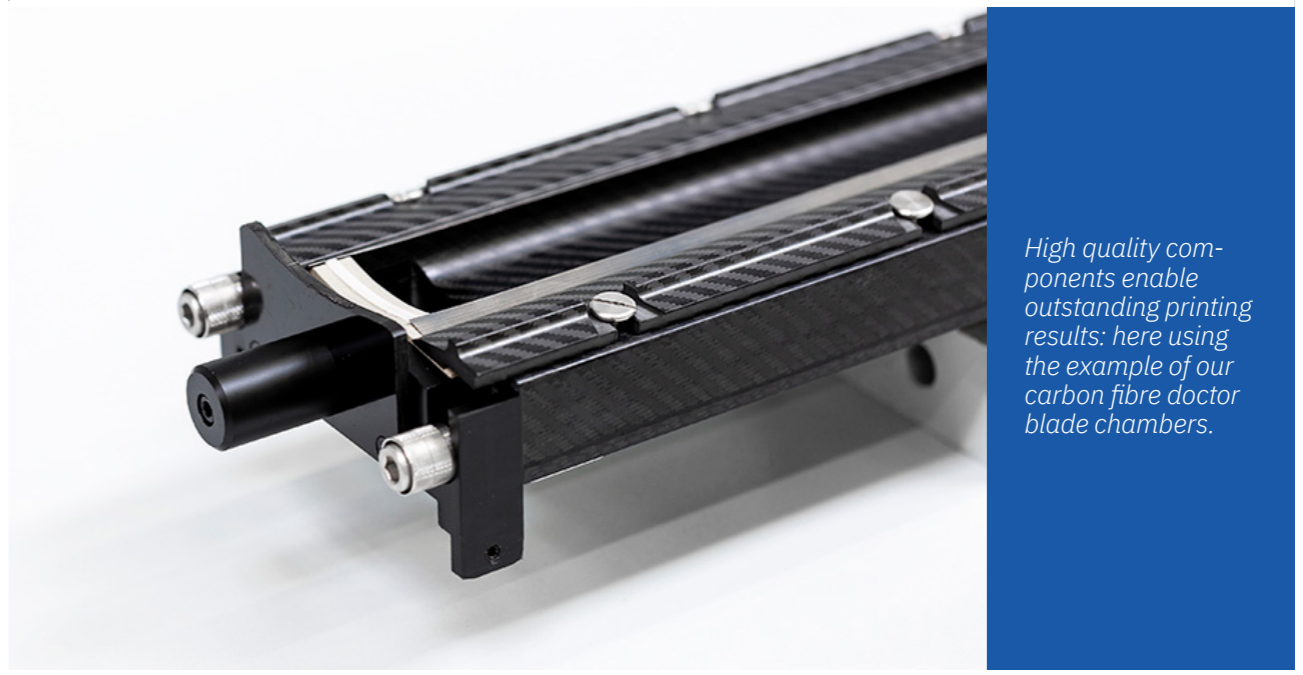
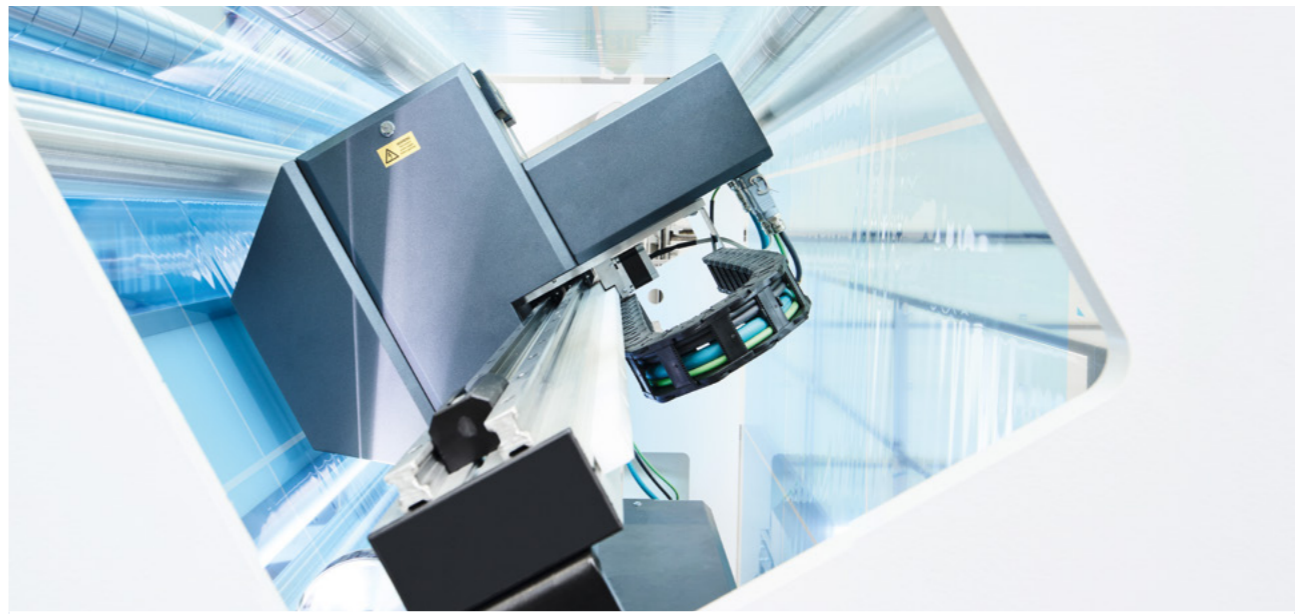
As an engineering company based in Herford, Germany, with over 10 years in the market, we've grown to more than 150 coworkers dedicated to this goal. Whether it's a quality-improving measure, like our hydrostatic bearing solution, or an innovation that saves massive amounts of time – by allowing you to set up the next job while the press is still running – we specialize in industry-leading solutions that always target print quality and productivity.

Our strength: we hold the entire process chain in our own hands.

With 6,500 sqm of production space, we are proud to develop, manufacture, and test all the main components used in our products, such as side frames, carrier bars, hydrostatic bearings, bridge adapters, and much more, ourselves at our Herford site. This commitment to in-house production ensures we maintain full control over quality and delivery reliability, while also allowing us to adapt swiftly to changing market conditions.

With over 130 machines sold and installed internationally, our global service network ensures our customers receive top-notch support, no matter their location. Our worldwide references speak to the quality and reliability of our products, making us a trusted partner in the printing industry.





Bouncing: no longer an issue with an Allstein

Bouncing in the printed image always occurs when the press starts to move. This undesirable effect can be prevented by a stable construction, even at high production speeds.

How to design for print quality

We achieve quality through stability

Massive bearing blocks move smoothly and remain firmly in place thanks to our linear slideway technology.

Hydrostatic bearing solution

Our hydrostatic bearings help to eliminate bouncing, even at highest printing speeds. They allow excess mechanical energy produced in the printing process to be converted and easily dissipated from the process in the form of heat-energy!

Component quality

Our presses have a carbon fiber impression cylinder shaft manufactured in-house, and often the shaft of the anilox roller is also made of carbon fiber. Unlike steel, fibrereinforced plastics such as carbon fiber offer high strength with low weight. With these high-quality components, we achieve, among other things, that no bouncing occurs.

High quality components enable outstanding printing results: here using the example of our carbon fibre doctor blade chambers.



TECHNICAL DATA

Print width:
850 – 1.250 mm
33,5 – 49"

Repeat range:
300 – 1150 mm
12 – 45"

Max. speed:
400 m/min
1.300 ft/min

No. of colors:
8 or 10

Especially designed for the shortrun market

Excellent print results

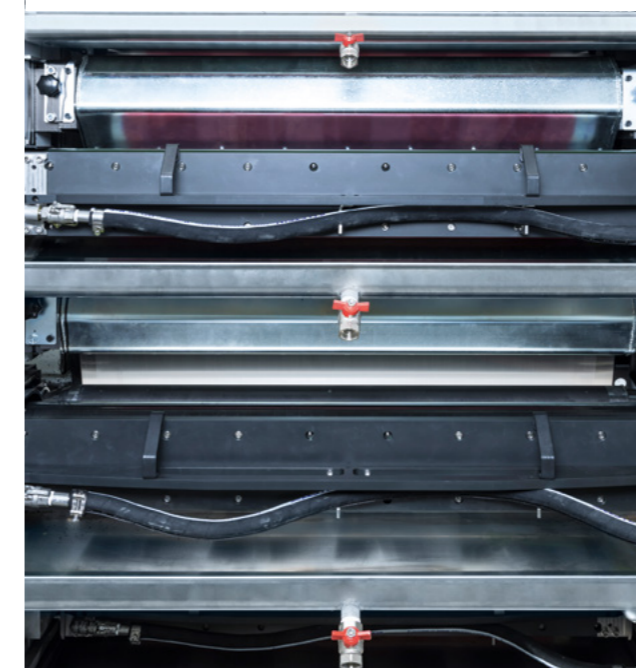
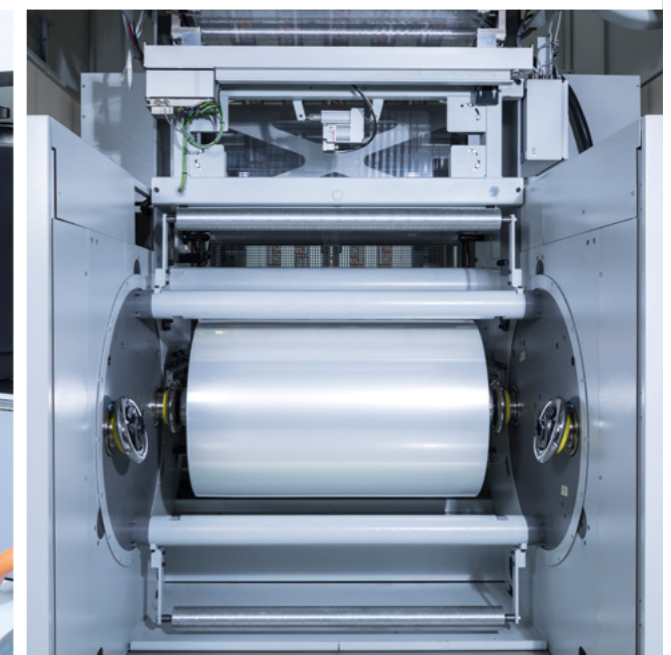
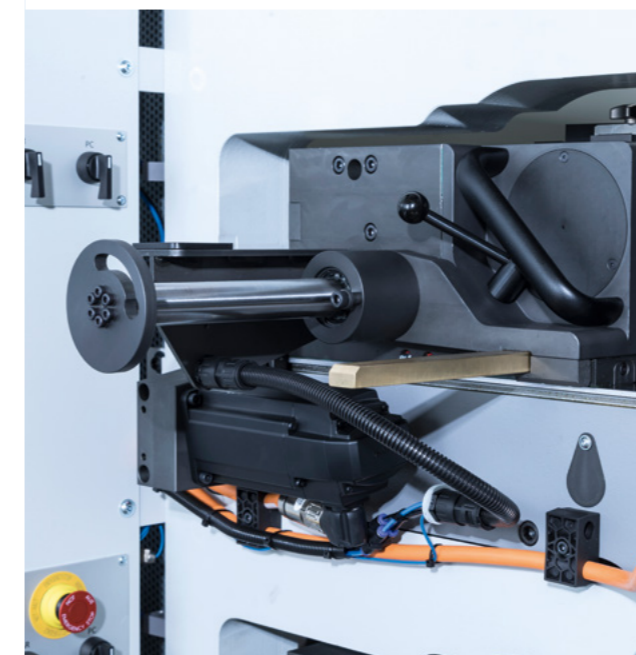
The SPRINT series offers extreme stability and rigidity from the ground up. This top performance is achieved through a solid steel base structure and the proven linear slideway technology from Allstein.

Record-breaking changeover times

Perfect accessibility to the printing units and technical solutions such as ARUN 2.0 ensure that the SPRINT is unrivalled in terms of job changeover times.

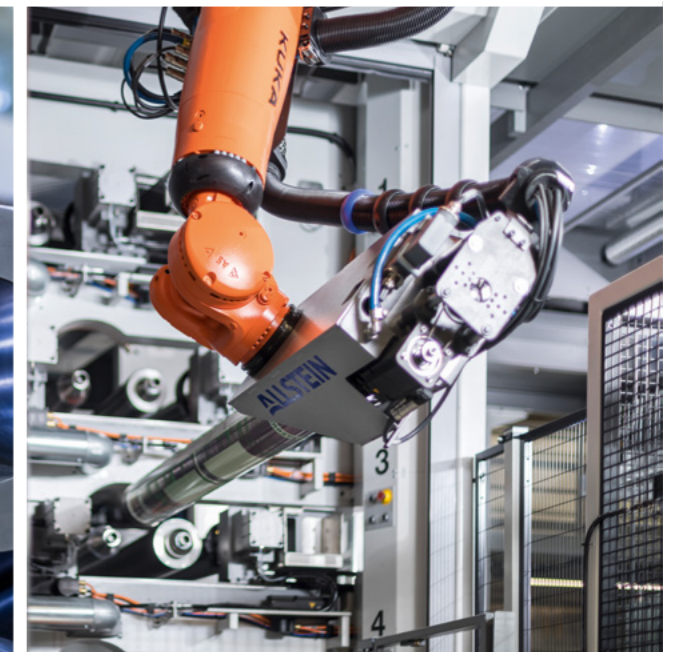
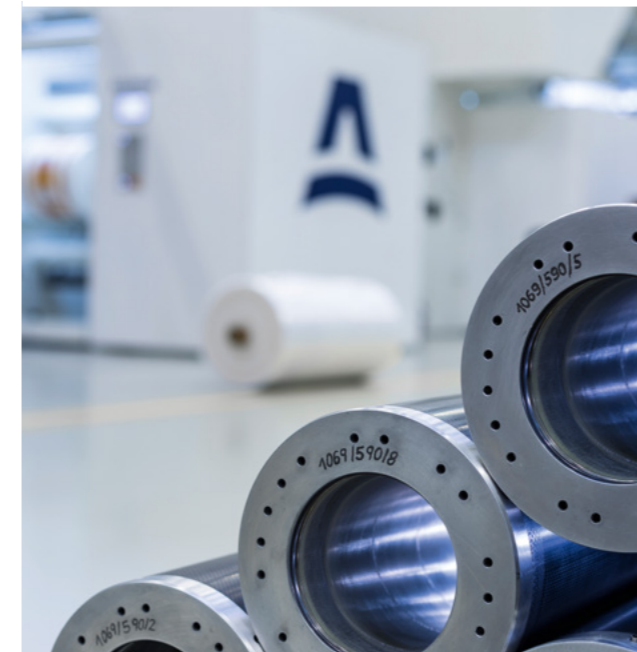
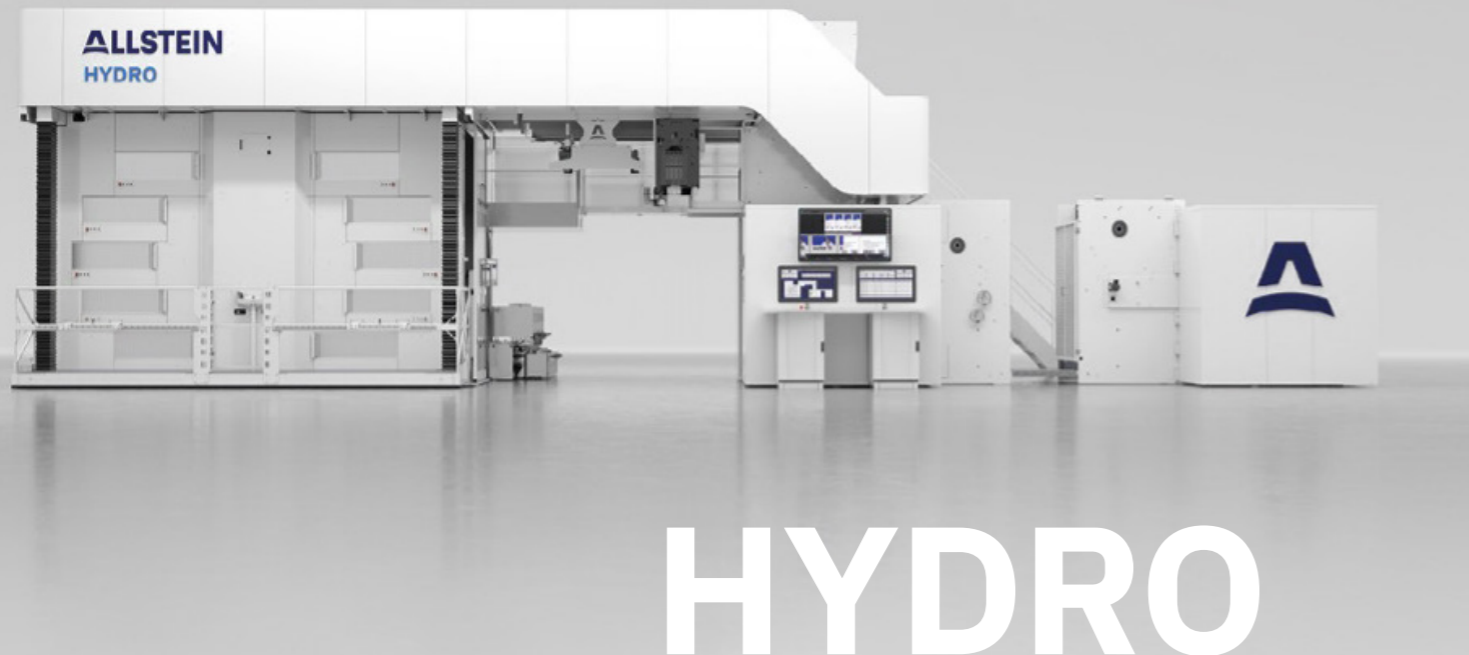
Compact design

Great performance in a small space. With a footprint of less than 50 m², the SPRINT sets new standards in the market.



More about the SPRINT series:
www.allstein.com/en/printing-machines/sprint





TECHNICAL DATA

Print width:
1.250 – 1.850 mm
49 – 73"

Repeat range:
370 – 1.400 mm
14.5 – 55"

Max. speed:
400 – 800 m/min
1.300 – 2.620 ft/min

No. of colors:
8 or 10

The benchmark in flexographic printing

Excellent print quality

A solid design with 140 mm steel side frames, the use of our unique hydrostatic bearings as well as our proven linear slideway technology guarantee the best print quality in the market, no matter what production speed.

Unrivalled productivity

The HYDRO stands for maximum productivity and high printing speeds of up to 800 m/min. No matter how demanding the challenges of the particular print job are.

Individual or universal

The HYDRO's portfolio adapts precisely to your individual requirements. Whether standard or fully integrated, customised solution. The HYDRO is much more than just a mass-produced product.

More about the HYDRO series:
www.allstein.com/en/printing-machines/hydro





GENESIS

TECHNICAL DATA

Print width:

1.250 – 1.850 mm
49 – 73"

Repeat range:

370 – 1.400 mm
14.5 – 55"

Max. speed:

400 – 800 m/min
1.300 – 2.620 ft/min

No. of colors:

8 or 10

Pioneering the Era of Fully Automated Flexo Printing

Unrivalled automation

The Genesis revolutionizes CI flexo printing with its advanced robotics system, automating formerly manual tasks around job changes and cleaning processes. This ensures consistent job changeovers and optimizes production planning.

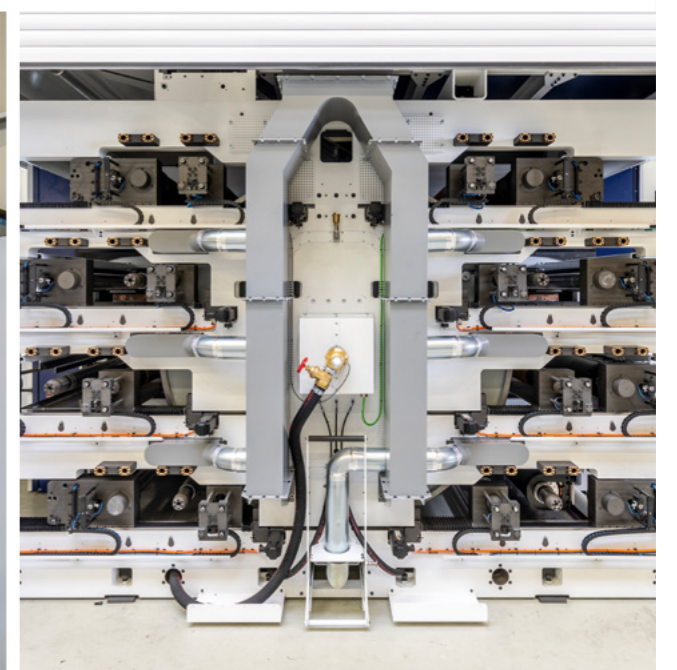
Maximized efficiency

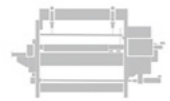
By eliminating manual tasks, the Genesis allows the printer to do what they are best at, producing high-quality packaging products. The machine independently manages job changeovers and maintenance, streamlining production and maximizing uptime.

Future-proofed solution

Taking flexo printing well into the 21st century. Addressing industry challenges like shortage of skilled workers and cost pressure, the Allstein Genesis enables flexible packaging producers to meet evolving market demands, setting new standards in print quality and operational efficiency.

More about the GENESIS series:
www.allstein.com/en/printing-machines/genesis

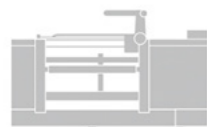




Manual



Automatic



Robotic

Three moulder variants. All precise.

Optimal printing starts with optimal Pre Press

Our moulders have been designed from the ground up to achieve maximum precision in plate mounting. Efficient and user-friendly.

The portfolio ranges from manual to robotically loaded variants. Always with the aim of achieving the perfect print quality on our flexo presses.

In combination with our A RUN technology, our moulders become an important key feature to maximise the productivity of your press.

Manual moulder. High precision.

This variant supports you in manual positioning of the printing plates via an intuitive user interface and a high-quality camera system. In addition, a drive facilitates perfect application to the format sleeve.

TECHNICAL DATA

Print width:
850 – 1.250 mm
33,5 – 49"

Repeat range:
300 – 800 mm
12 – 31,5"

Footprint
2,2 m²

More about our mounting machines:
www.allstein.com/en/moulder





AUTOMATIC

ROBOTIC

TECHNICAL DATA

Print width:
850 – 1.850 mm
33.5 – 73"

Repeat range:
300 – 1.400 mm
12 – 55"

Footprint
4,7 m²

Automated moulder. Effortless precision.

With this variant, the operator simply places the plate on the moulder table and the machine does everything else.

Automated workflow. Robotic precision.

The robotic moulder uses pick and place technology to transfer plates, one by one, from a customer's storage onto the designated sleeve. Therefore this variant is ideally suited to automatic workflows where the sleeves are delivered to the mounting machine via a range of Allstein automation solutions.

TECHNICAL DATA

Print width:
1.050 – 1.850 mm
41,5 – 73"

Repeat range:
360 – 1.400 mm
14 – 55"

Footprint
18 m²



More about our mounting machines:
www.allstein.com/en/moulder



A RUN



A CHANGE

BENEFITS

- ✓ You reduce set-up-related machine downtimes by up to 100%
- ✓ You reduce set-up-related waste by up to 100%

Boost your productivity

The goal of all our innovations: To be as productive as possible

We are convinced: Gone are the days of long runs! With job lengths constantly getting shorter, we believe today's packaging market is defined by setup times. That's the reason, why we created the most marvelous register and impression system in the market: A RUN.

A RUN is not just a mounting machine or a sensor in a sleeve, it is much more than that. A RUN is an offline process that automatically calculates the perfect settings for register and impression, so you don't have to.

Minimize setup-related machine downtime. Maximize your productivity. With our A RUN!

BENEFITS

- ✓ You produce non-stop without interruptions
- ✓ You reduce job change related machine downtimes by up to 100%
- ✓ You reduce job change waste by up to 100%

Maximize your productivity

Seamlessly switch designs while production is running.

Your machine is most productive when it is producing. There is no doubt about that. That's why it is mandatory to eliminate machine downtime as best as possible. This is exactly what our A CHANGE technology helps you to do. A CHANGE enables you to set up the press using the printing units not currently in use: Prepare the following job while the current one is being printed.

But that's not all. With our "Change on the fly"-mode, you can print continuously and switch seamlessly from the current job to the next design – And all this without having to stop production and almost without waste (we're still working to eliminate the 2–3 meters of waste as the jobs switch). This is how we realise non-stop production.

Realize your own non-stop production.
With our A CHANGE technology.

A ROBOT

Fully automatized changeovers

Our A ROBOT system enables you to set up print jobs fully automatic and without dependence on your operators skillset.

Especially with large print widths the robotic arm makes setup considerably easier and ensures the safety of the employees.

The A ROBOT system also makes it easier to plan your production, as fixed setup cycle times can be used as a basis. In addition, the user-related error rate is reduced because the sequence of the A ROBOT system is clearly defined and, for example, the printing tools are transferred to fixed stations without error.

BENEFITS

- ✓ You set up print jobs independently of the operator
- ✓ You reduce the setup-related error rate
- ✓ You reduce the necessary number of press operators
- ✓ You increase operator ergonomics, especially with heavy printing tools



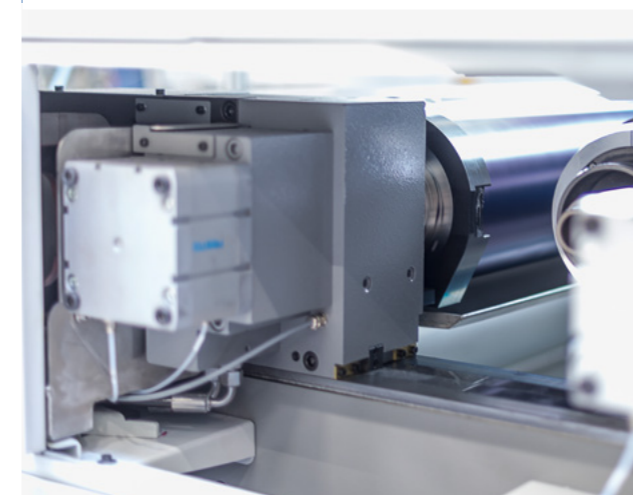
Set-up of printing units not in use at full production speed with A CHANGE



Minimal changeover times thanks to perfect accessibility to the printing units



Turret style winders: Highly productive thanks to fully automated splices at production speeds of up to 400 m/min



Perfect printing results thanks to the proven linear slideway technology from Allstein



A solid design with 100 mm steel sideframes and outstanding stability as standard

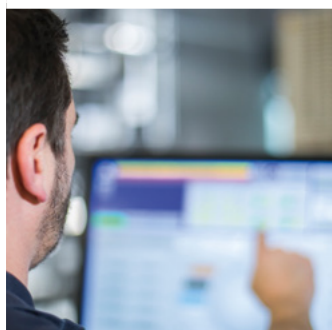
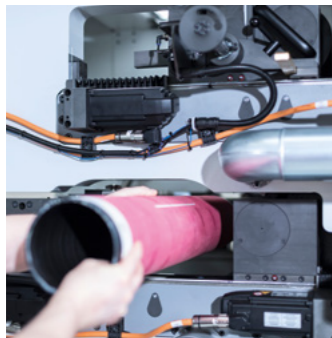


CUSTOMER JOURNEY

Your path to success

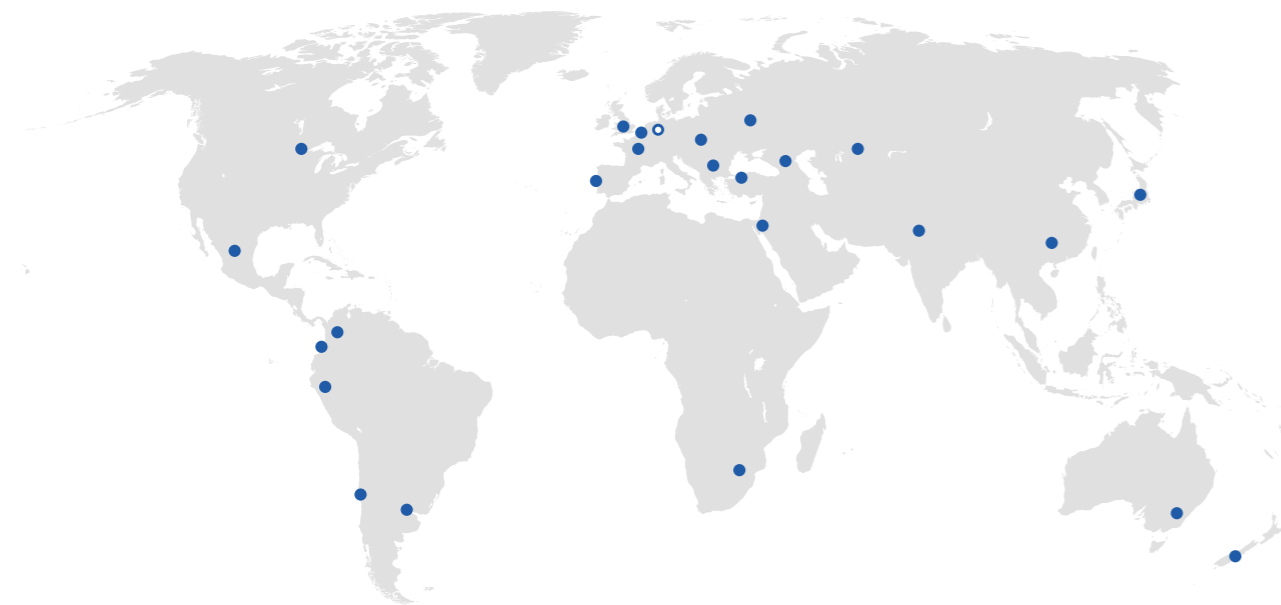
We don't just want to sell you a machine, we want to sell you exactly the machine that perfectly suits you and your job. And we manage to do that because, as printers ourselves, we know your requirements well and can therefore give you the best possible advice. We first listen to you and understand the job you want to print. Then we go into analysis and provide you with an optimal quote.

We'll show you how our vision of manufacturing the world's most productive flexographic presses is becoming a reality when you take a tour of our production facility. You are also welcome to challenge us with a demanding motif during a print test.



More about our customer journey:
www.allstein.com/en/customer-journey





- Allstein Headquarter in Germany
- Representations and contacts worldwide

Contact worldwide:
www.allstein.com/en/contact



ALLSTEIN

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We are ready to help you

As an Allstein customer, we offer you service directly from the manufacturer for maximum production reliability, maintenance and repair or overhaul of your machine. You can reach a trained Allstein technician at any time by direct dialing the free service hotline. **We do not work with a call center.** This service is valid for the entire product lifetime.

Please feel free to visit us at our headquarters in Herford or contact one of our many representatives throughout the world.



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