

A large industrial printing machine, likely a flexographic press, is shown in a factory setting. The machine is white and features the Allstein logo. The background shows a high-ceilinged industrial building with a complex steel structure. The entire image has a blue color cast. A green diagonal line runs across the bottom right corner.

ALLSTEIN

Excellence
in flexographic
printing



- Allstein Headquarter in Germany
- Representations and contacts worldwide

ALLSTEIN

- ✓ An engineering company based in Herford, Germany
- ✓ 10 years in the market
- ✓ Over 150 employees
- ✓ 6.500 sqm production
- ✓ More than 100 machines sold
- ✓ Own part production
- ✓ Worldwide service
- ✓ Worldwide reference



Made by Printers. For Printers.

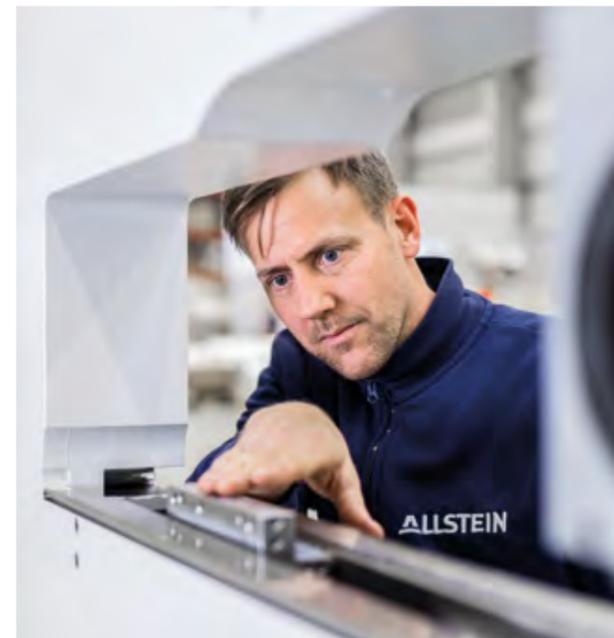
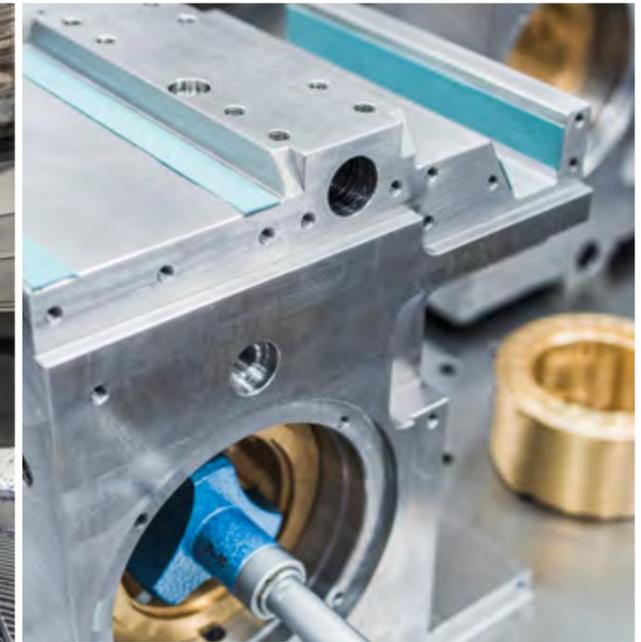
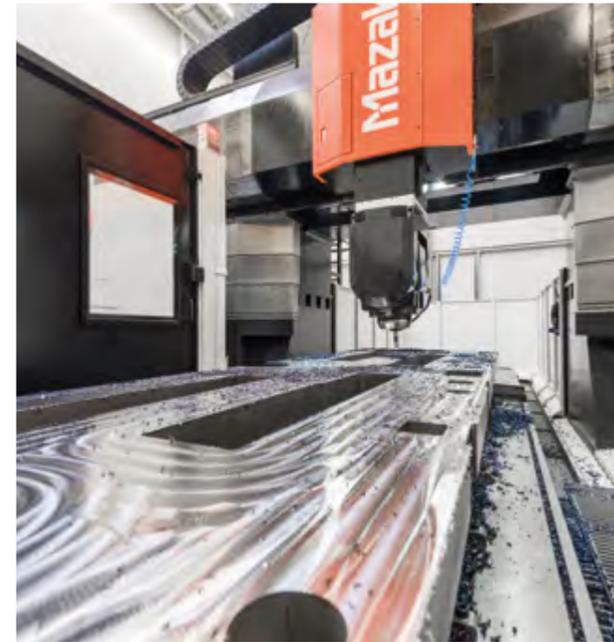
Our mission: to build the best and most productive CI flexo presses on the market.

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 specialise in industry-leading solutions that always target print quality or productivity.

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

We are proud to develop, manufacture and test all the main components used in our products, such as side parts, carrier bars, hydrostatic bearings, bridge adapters and much more, ourselves at our Herford site.

This enables us to have full control over quality and delivery reliability at all times and, in addition, to always be able to react flexibly to changing conditions.



ENGINEERING AMAZING QUALITY



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 high 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.

Component quality

Our presses have a CFRP impression cylinder shaft manufactured in-house, and often the shaft of the anilox roller is also made of CFRP. Unlike steel, fibre-reinforced plastics such as CFRP 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



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.



SPRINT



HYDRO

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

Repeat range:
300 – 800 mm
12 – 31,5"

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

No. of colors:
8

TECHNICAL DATA

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



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



Print width:
1.250 – 1.850 mm
49 – 73"

Repeat range:
360 – 1.400 mm
14 – 55"

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

No. of colors:
8 or 10

TECHNICAL DATA



Three mounter variants. All precise.

Optimal printing starts with optimal Pre Press

Our mounters 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 mounters become an important key feature to maximise the productivity of your press.

Manual – 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.

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

Robotic – The robotic mounter 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.

	Manual	Automatic	Robotic
PRINT WIDTH	850 – 1.250 mm 33,5 – 49"	1.050 – 1.850 mm 41,5 – 73"	1.050 – 1.850 mm 41,5 – 73"
REPEAT RANGE	300 – 800 mm 12 – 31,5"	360 – 1.400 mm 14 – 55"	360 – 1.400 mm 14 – 55"
FOOTPRINT	2,2 m ²	4,7 m ²	18 m ²

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



ENGINEERING AMAZING

PRODUCTIVITY



We offer a range of fully integrated solutions to increase your productivity. For example, our optional downstream printing unit for inline coating application.

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

A RUN – Boost your productivity

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!

Most marvelous register and impression system in the market: A RUN



Fully automatic set-up with the A ROBOT system



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.

ENGINEERING AMAZING



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

A CHANGE –Maximize your productivity

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.

- ✓ 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%

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



Job changes at the touch of a button and almost no waste with our "Change on the Fly"-mode

The fastest set-up times on the market

The SPRINT is the perfect solution for printing short to medium runs.

SPRINT



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



Minimal changeover times thanks to perfect accessibility to the printing units



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



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.



Welcome to the Allstein headquarters in Herford
Take the tour.



Analysis of your requirements
We take the time to understand your specific product.



Print test on site
Convince yourself of the quality. We implement your motif.



Manufacturing and assembly
We manufacture all essential installed components ourselves.



Configuration and design
According to your specifications, our engineers create your machine.



Individual offer
Including suggestions for possible optimizations based on the print test.



Factory acceptance of the completely assembled machine.



Installation on site and customer acceptance
In the course of this we train your employees.



We stay in contact
Free 24-hour service hotline and continuous advice.

24/7 SERVICE



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.

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



ALLSTEIN

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Your personal contact

We are ready
to help you.

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



Made by Printers.
For Printers.

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