

## PRESS RELEASE

**More productivity. More flexibility. More possibilities.**

**The new BRUDERER BSA servo axis.**

*The implementation of servo drives to optimise stamping processes has been accepted practice for a number of years. This means that various systems have to work at the same time in the servo feed, the tool and in the machine itself. High-performance stamping technology experts BRUDERER are presenting a new and comprehensive integrated form of servo axis technology which will open up a whole new range of possibilities for tool-makers and manufacturers.*

Frasnacht, 26 October 2021. The integration of precision-controlled servo drives almost 20 years ago now is seen as a milestone in the seamless interplay of overall tool kinematics and therefore the design and implementation of optimised stamping processes. The use of smart servo technology enables perfect interaction between sensors, actuators, signal processing and control technology with the highest levels of precision. BRUDERER is now setting a further milestone on the road to optimised stamping processes with its new BSA servo axis technology.

As of now, BRUDERER is enabling seamless integration of several servo axes into the stamping process for a wide variety of its stamping presses. The technology is available with and without gears and in various sizes of servo motor, according to how it is being implemented. As well as the number and different variations of servo axes, the combination of servo feed and servo axes is also new to the market, and will **offer manufacturers in the stamping industry a complete solution featuring feed, machine and servo axis all in one for the first time ever**. The overall system is operated centrally via a single user interface.

The new BRUDERER BSA servo axis technology opens up a whole new range of possibilities for tool-makers. In addition to BRUDERER's patented variable torque adjuster, the removal of the need for mechanical drives means that tools can be manufactured using much less space and in far greater complexity. This space-saving technology is a response to the trend towards increasing bed lengths. More flexible stamping processes, more work steps in one stamping action and a greater degree of freedom in how the overall process runs means that tools can be constructed to higher levels of performance with a wider scope in terms of the manufacturing.

The replacement of mechanical axle drives by the BRUDERER BSA servo axis generates increased process efficiency, greater performance and also an improvement in process reliability. This particularly comes to the fore in series production with thinner strips and ever longer tools.

Running costs for tooling and production are also significantly reduced thanks to the new servo axis technology.

The flexible implementation of a whole host of processing, positioning and synchronisation modules or of various combination modules including special high-torque applications makes BRUDERER solutions flexible and puts them ahead of the pack in the ever-evolving and increasingly price-competitive market of industrial stamping production.

BRUDERER servo axis technology can also be retrofitted to BRUDERER stamping presses. We would be delighted to discuss your personal requirements with you.

## **BRUDERER AG**

[www.bruderer.com](http://www.bruderer.com)

**For more information and high-resolution images, please contact:**

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## **BRUDERER: PRECISION – SWISS MADE**

BRUDERER provides high-precision high-performance stamping presses with press forces from 180 to 2500 kN for stamping and forming both simple and complex parts. The company supplies businesses around the world from the automotive, electrical and electronics industries, watch manufacture, medical supplies and food packaging sectors. Their product range includes servo, roll and gripper feeds as well as peripheral devices from reputed suppliers, and their comprehensive offer is rounded out with services covering control technology, revisions and training.

The company, which was founded in 1943, has its main production site in Frasnacht (Switzerland) and also has centres of competence and subsidiaries in Dortmund (Germany), Ridgefield (USA), Singapore, Suzhou and Dongguan (China), Chiba-Ken (Japan), Luton (UK), Barcelona (Spain), Bangalore (India) and Ecquevilly (France). Via its many affiliates and a total of 500 employees, BRUDERER can provide truly global servicing and shipping of replacement parts. [www.bruderer.com](http://www.bruderer.com)

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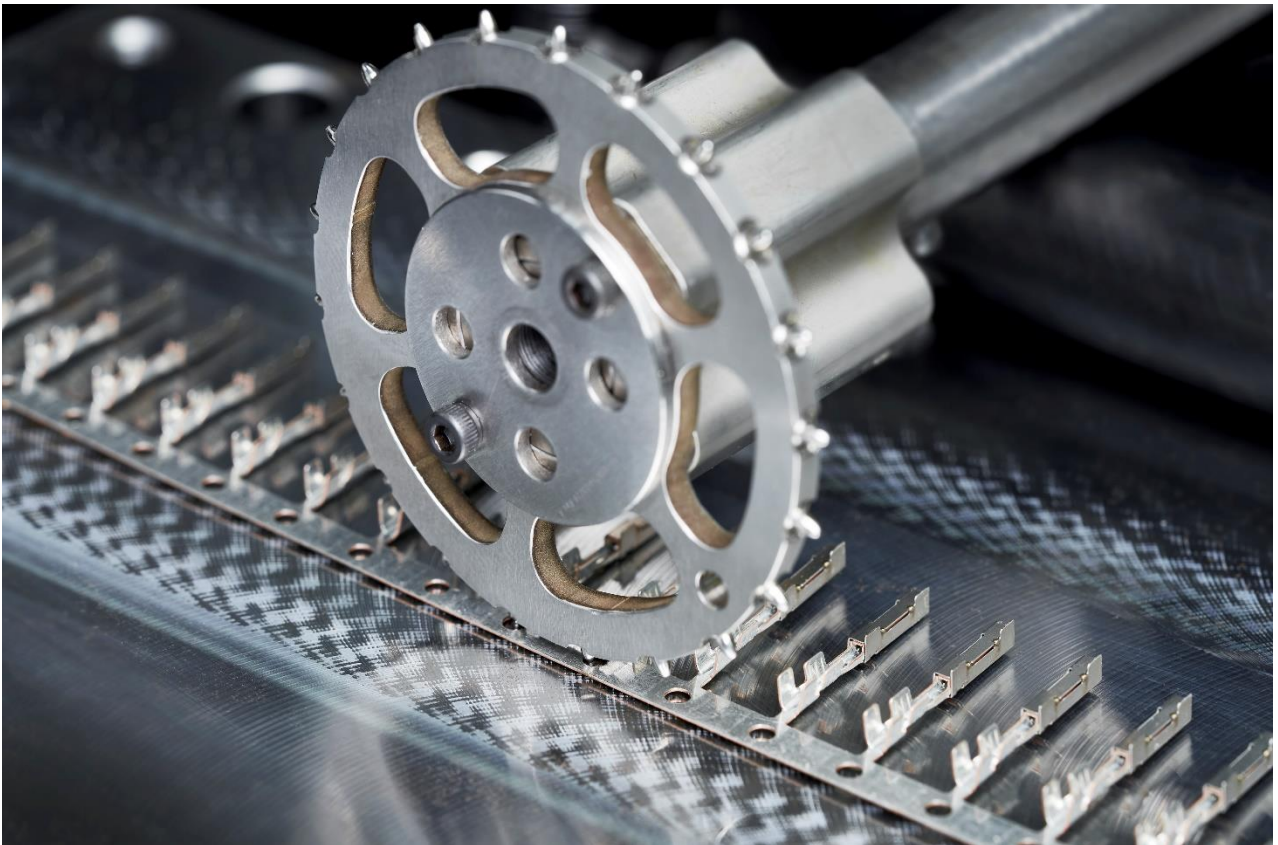
Caption 1:  
BRUDERER BSTA 510-150 B2 high-performance stamping press with BRUDERER BSV 75D servo feed.

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Caption 2:  
BRUDERER BSA servo axis comprising servo drive motor, gearing and servo inverter.



Caption 3:  
Example of how a BRUDERER BSA servo axis can be used: strip-tightening and transport synchronised with the machine cycle outside of the tool.