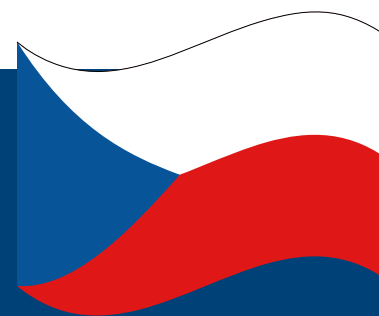


WEBAPP „BIHLERPLANNING“

The WebApp is the ideal tool for planners and designers. The WebApp provides a quick answer to the question: “How do I bend stamped and formed parts?” The free demo version also contains a sample database with a wealth of Bihler knowledge in stamping and forming technology.

The app is a useful source of inspiration for innovative solutions using the principle of similarity. It offers an easy and quick overview of all aspects for implementing stamped and formed parts. Additional information such as production speed, setup time and processing time per batch will be outlined clearly. In the future, the WebApp is constantly being expanded with additional case studies and features for component planning and costing.

www.bihlerplanning.de



BIHLER FORUM BRNO 2018

MARCH 14, 2018 - HOTEL AVANTI BRNO, CZECH REPUBLIC

b
NEWS

CUSTOMER SUPPORT

Ensures highest availability and maximum productivity



Through our comprehensive support services, we guarantee the maximum productivity of your Bihler machine. Initially, we optimize the geometries of your component for production and ensure maximum material efficiency. Then we design and develop the most economical production concept for your task together with you. Practical training and application-related discussions provide your staff with the necessary expertise.

We ensure the smooth commissioning of your machine and our experts are present for a short production start-up phase. With customized preventative maintenance, original spare parts and the vast experience of our technical customer service, we ensure the highest availability of your Bihler machine. Our experts will advise you on how to increase current production levels and implement these solutions together with you. The configuration and implementation of machine expansions and reconditioning round off our service offer.

TRAINING

Seminar Leantool (tool design)



This seminar provides you with the basic knowledge for design and construction of stamping and forming tools using Leantool technology. You are introduced to the Leantool concept and learn about standardized, simple and structured tool design using the Leantool Standard Parts. Your benefit: After this seminar, you have the basic knowledge to efficiently plan and design Leantool tools.

Seminar content:

- Analyzing parts drawings
- Creating conceptual sketches for bending tools
- Creating forming study based on conceptual sketch (taking strip/wire springback into account)
- Linking forming study to Leantool template
- Positioning units over Leantool template
- Selecting the correct Leantool Standard Parts as active parts and adapting them to the forming study

Duration: 1 day / Cost per participant: 480.- Euro
Dates: 20.03.2018; 11.09.2018

SOFTWARE

Effectively develop production concepts and tool designs



The bNX Bihler Technology Software is a world-wide unique solution and supports designs for stamping and forming, progressive equipment and wire structures. The consistent bNX process starts with customer inquiries and quotations, and extends beyond 3D stage method plan, strip design, tool design, kinematics and simulation all the way to the output of the movement profile and its entry in the VC 1 control system.

Users benefit from the straightforward design methodology, shortest design times and low design costs. It is a fundamental part of the LEANTOOL system and offers an easier, faster and more affordable transparent solution for users to create new tools.

WELCOME to the Bihler Forum Brno

Today our experts inform you about current trends at Bihler. You learn how to

- configure the perfect Bihler machine for any production task,
- implement new forming tools easier, faster and 70% less expensive with the LEANTOOL and the bNX Software,
- improve your welding processes with Bihler welding technology,
- manufacture complete assemblies with servo production and assembly systems, and
- make best use of your Bihler machine with our Customer Support.

In the final round of discussions, our experts will answer all your questions.

Enjoy the event.

M. Bihler
Mathias Bihler
(Managing partner)



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The World of Bihler stamping and forming technology

The right machine for every application

Whether you manufacture stamped and formed parts from wire or strip material in large, medium or small batches – Bihler offers the right machine for all tasks: from mechanical high performance stamping and forming machines via hybrid production systems (mechanical + servo) to fully servo-controlled stamping and forming machines.

The open design of Bihler machines offers you plenty of free space for customized tool solutions. Quick-change systems guarantee extremely short retooling times. With the servo stamping and forming machines, you manufacture traditional stamped and formed parts with the highest productivity, retool in mere minutes and respond flexibly to short-term customer requirements. All machine types are operated easily and safely with the VariControl machine and process control system.

Your contacts



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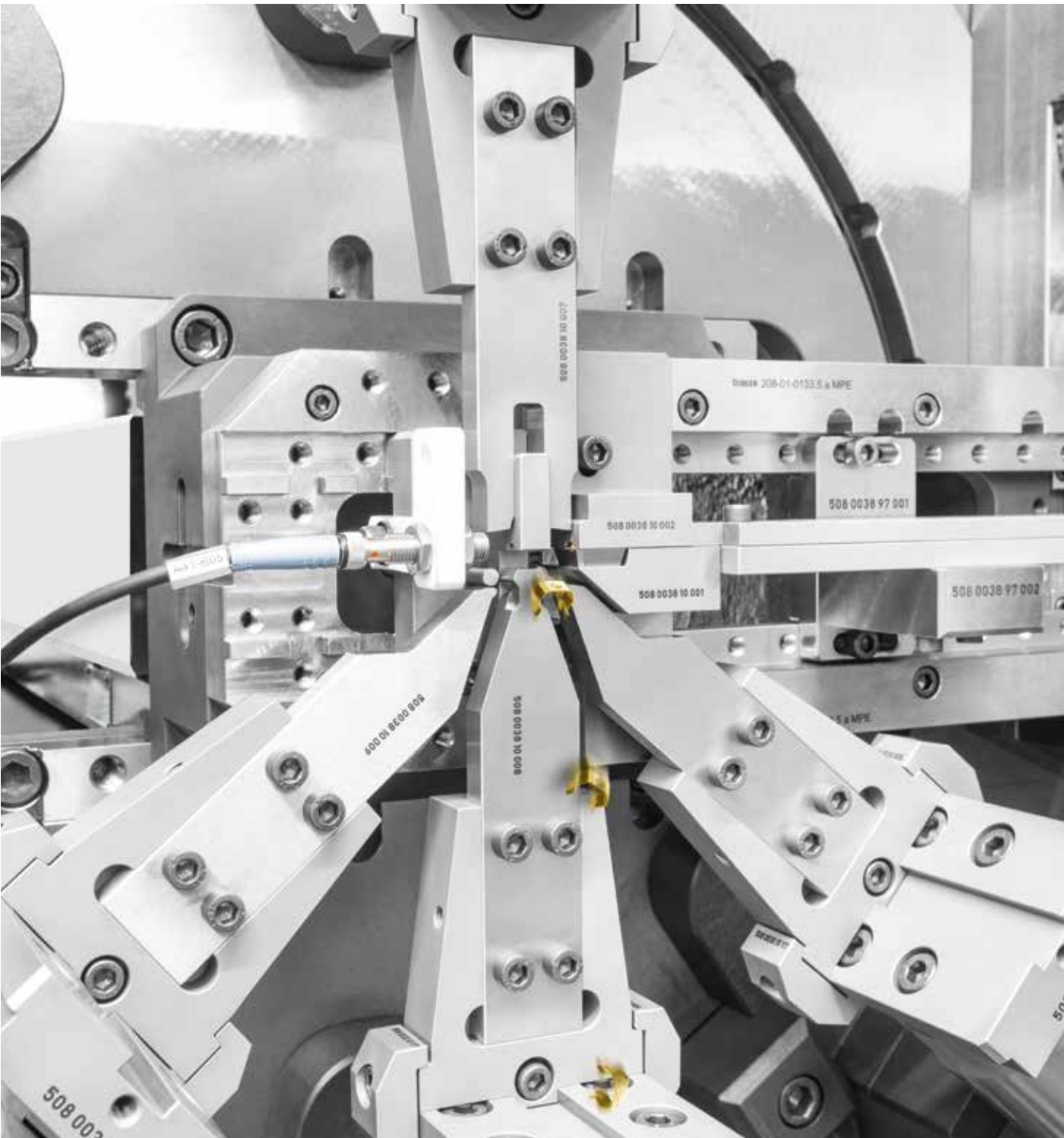
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LEANTOOL System

Easier, faster, cheaper

With the new LEANTOOL for RM-NC and GRM-NC servo stamping and forming machines, you implement new tools easier, faster and cheaper. Thanks to the perfect consistency from planning via design and construction right up to production, you achieve extremely short implementation times, costs reduced by 70% compared to forming tools on mechanical machines as well as a very fast “time-to-market” for new products, even for the smallest batch sizes.

Due to the high degree of standardization, the number of LEANTOOL components is around 20 parts, with a 50% share of standard parts, and individual tool parts are reduced to a minimum. The straightforward design methodology of the bNX Software simplifies and shortens the design phase drastically. After manufacturing and quickly mounting the tool, the servo stamping and forming machines produce up to 300 precision parts per minute.

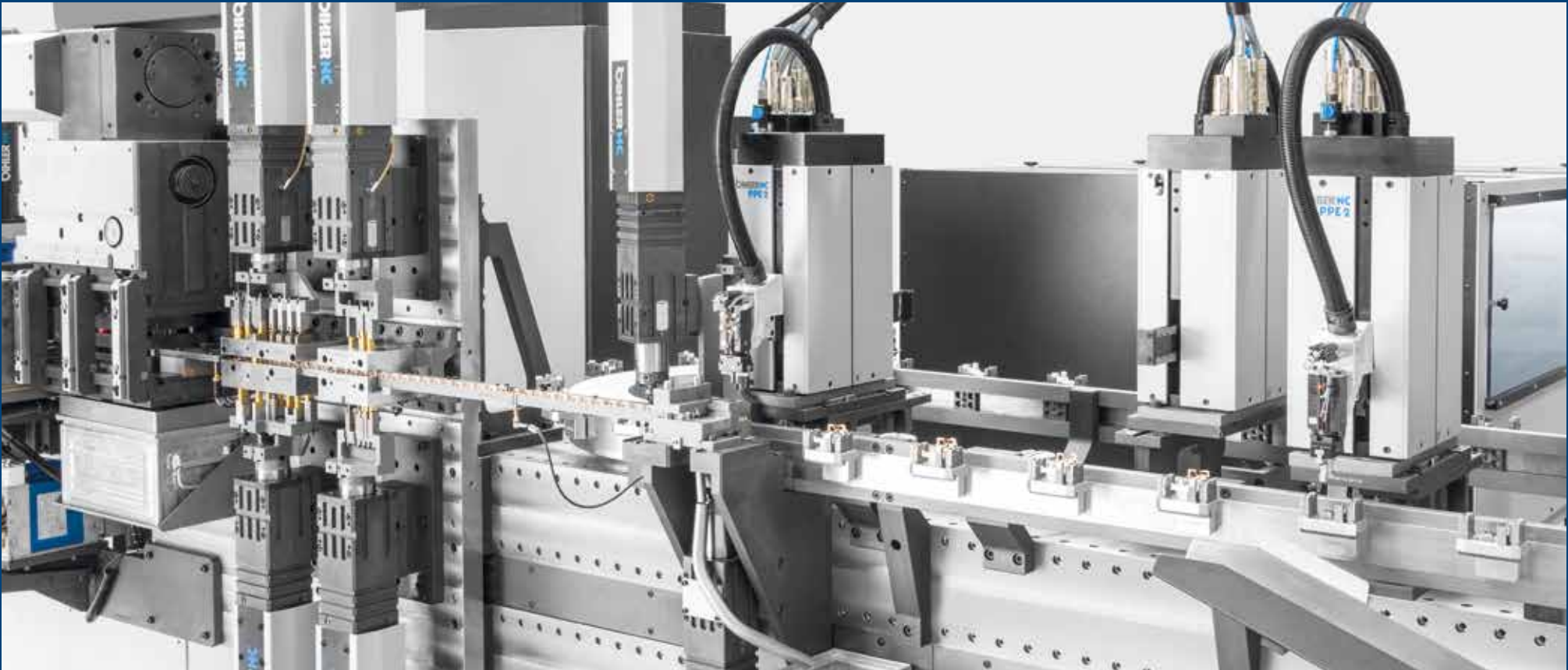


Better welding

Welding technology, a Bihler core competence

For over 50 years, Bihler has been integrating resistance welding processes in automation solutions. Intelligent welding control systems and powerful welding units guarantee highest levels of productivity, excellent welding quality and maximum process reliability. Mechanical and servo-controlled Bihler contact welding units are designed for reliable mass production of contact components with up to 800 welds per minute. The “Quickchange” rapid change system reduces setup times to 1/10th compared to conventional units.

The new B 20K welding control system combines all process, measurement and monitoring systems into one comprehensive system. Stepless welding frequency adjustment between 1,000 and 20,000 Hz guarantees a highly dynamic and even finer control for even better resistance welding results. From micro to macro welding processes, from resistance soldering processes to heating processes such as annealing, the B 20K covers an immense range of applications. Furthermore, up to 18 servo axes for e.g. controlling contact welding equipment can also be used to integrate press applications and other options in the B 20K.



Stamping and forming PLUS

Bihler technology in manufacturing environments

This presentation describes four application examples to demonstrate the advantages of Bihler servo technology for assembly production. The modular production and assembly systems of the BIMERIC series convince with flexible deployment options and extremely short, 100% reproducible setup operations. This makes an efficient and economical production of small and medium batch sizes as well as many product variants feasible.

The continuous flow production from raw material through to completely assembled modules on a BIMERIC BM shortens the process chain and enhances its value creation significantly. The BIMERIC SP (machine combination of servo press and BIMERIC) offers you the additional ability to equalize progressive servo press processes with easy accessibility in the BIMERIC platform (e.g. thread forming, screw insertion, contact welding, etc.). This increases productivity and saves time and logistics costs.