



**Forming Performance
for your Production**

www.ebu-forming-performance.com

Forming Performance for your production.

From manual loading systems to fully automated complete systems, we manufacture solutions for the sheet metal processing industry. Our more than 70 years of manufacturing experience forms the foundation of our series and module systems, which we continue to perfect based on customer requirements.



Whether it's a new investment or an exchange – with the help of our sophisticated series and module systems, we will find the machine or system to perfectly match your performance profile.

The modular structure and our diverse automation and service solutions help you optimize your production flow and machine operation.

ebu creates punching machines and presses based on your performance requirements.

Analyse

FORMING PERFORMANCE



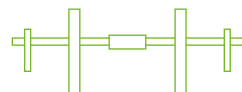
ebu SELECT™
ebu CUSTOMIZED™

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**AUTOMATIC PUNCHING
MACHINES, PRESSES,
C-FRAME PRESS**

Adapt

FORMING PERFORMANCE



ebu MODULES

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**DRIVE TECHNOLOGY, ECCENTRIC
DRIVE WITH RAM UNIT,
CONTROL, MONITORING AND
OPERATION**

Automate

FORMING PERFORMANCE



ebu AUTOMATION

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**COILERS, COIL DISPLACEMENT DEVICE AND
COIL LOADING SADDLE, STRAIGHTENING
MACHINES AND STRIP FEEDING STRAIGHTENING
COMBINATIONS, FEEDERS, GOOD PARTS AND
SCRAP MANAGEMENT, TOOL CHANGE SYSTEMS,
TRANSFER SYSTEMS**

Ensure

FORMING PERFORMANCE



ebu SUPPORT

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**REMOTE MAINTENANCE/REAL-TIME
VIDEO COMMUNICATION, HOTLINE,
ON-SITE REPAIR SERVICE, SPARE PARTS
SERVICE, RING EXCHANGE CONCEPT FOR
ASSEMBLIES AND MOTORS, RETROFIT**

ebu SELECT™

The best-of-series from ebu.

Engineered and finished in Germany, configured to your performance requirements.

Always included: The industry standard based on our decades of development of customer-specific solutions.

Typical ebu:

- ✓ High output
- ✓ Long tool life
- ✓ Performance adjustment by ebu MODULES
- ✓ Reproducible high part quality
- ✓ Lower energy requirements - ebu ENERGETICS
- ✓ Noise-reducing design methods
- ✓ Expansion options for a fully automatic system

ebu SELECT™ M

8 sizes |

Rated capacity: 800 kN to 4,000 kN
Table/ram width: 1,000 mm to 2,500 mm
Table/ram depth: 800 mm to 1,300 mm

Construction: monobloc welded steel construction





We want you to take advantage of the custom solutions we have already developed.”

ebu SELECT™ G

5 sizes |

Rated capacity: 1,600 kN to 8,000 kN
Table/ram width: 1,600 mm to 4,000 mm
Table/ram depth: 800 mm to 1,600 mm

Construction: split-cast construction



ebu SELECT™ S

3 sizes |

Rated capacity: 2,500 kN to 6,300 kN
Table/ram length: 2,500 mm to 3,000 mm
Table/ram depth: 1.000/950 mm to 1.300/1.100 mm

Monobloc welded steel construction – proven machine concept from Xuduan



ebu SELECT™ C

5 sizes |

Rated capacity: 400 kN to 1,600 kN
Table/ram width: 650 mm to 1,300 mm
Table/ram depth: 420 mm to 720 mm

C-frame press, eccentric press



ebu CUSTOMIZED™

More than 70 years of experience for your custom solution.

The ebu name stands for consistent customer orientation.
With ebu CUSTOMIZED™ we offer you the option of individual development and production.

**ebu CUSTOMIZED™ at it's best:
forming system with 4-point drive.**

365

project time from receipt of
order to handover in days

12,500

pressing force in kN

1,200

construction hours

4,400 x 2,500

table size in mm

11

total height in m

330

weight in t





Analyse **FORMING PERFORMANCE**.

Our claim: cover 80% of customer requirements with our best-of-series.

ebu SELECT™ – Benefit from the advantages of series-based advice.



QUALITY ADVANTAGE

Best-of-series from 70 years of development and manufacturing experience.

BUDGET ADVANTAGE

Analysis of your required forming performance based on our best-of-series.

TIME ADVANTAGE

Faster availability thanks to a high degree of prefabrication and preengineering.

ebu MODULES

Maximize the forming performance of your system and the profitability of your processes.

Coordinated modules in perfect interaction. Our modular system multiplies the potential settings and applications of your press. The highest level of adaptability for your drawing, bending, embossing and ironing processes, safe and easy control of the entire system.

Typical ebu:

- ✓ Well-proven modules across all series
- ✓ Short construction site times thanks to the delivery of complete modules
- ✓ Our focus is the entire life cycle: we adapt your system to new requirements

DRIVE TECHNOLOGY |

From flywheel drives with and without planetary gears to servo drives: the right drive for every requirement.

- Uniform flange connection for all drive types
- ebu SERVOTECH drives in single and double torque versions
- ebu ENERGETICS - the right energy concept for ebu SERVOTECH





We want you to be able to adapt the capabilities of your system to the requirements of the future marketplace.”



ECCENTRIC DRIVE WITH RAM UNIT |

Optionally configurable for new machines and retrofitting of existing systems.

- Installation and replacement of the shaft unit possible from above
- Consistent diameter
- Unique shaft bearing concept
- Ram unit with integrated height adjustment
- Easily exchangeable through interface to eccentric unit



CONTROL, MONITORING AND OPERATION |

Individual component control or process control of the entire system.

- Central operating concept for all system components
- Cross-series control technology
- Modern process visualisation, intuitive operator guidance



ebu AUTOMATION

Innovative solutions for the entire plant handling

From the feeding of the material, through the pressing process and tool change, to parts and scrap management, the forming process chain offers enormous automation and optimisation potential. Our standardised portfolio is aimed at your automation requirements.

Typical ebu:

- ✓ Simple cleaning concept
- ✓ Integrated control concept
- ✓ Open modular concept
- ✓ Universal interfaces
- ✓ Consistent control concept with central operability
- ✓ Retrofitting of existing machines
- ✓ Retrofitting of third-party systems

FEEDERS |

The material is transferred into the machine via two parallel stacked rollers rotating in opposite directions.

- Low- maintenance gearboxes
- Compact welding frame
- Hardened feed rollers with coatings based on your needs
- Can be swivelled open for quick access to the rollers
- Integrated strip side guides
- Simplest cleaning option





We want to perfect your manufacturing processes – for short cycle times and maximum output rates with the required quality.”

LEVELING MACHINERY AND HANDLING AIDS |

Solutions to further optimise your system handling

- Accurate and resilient work
- Feed-straightening combination: for conveyor system without belt loop
- Insertion aid, splitting wedge and take-off roller: For transfer from the reel to the straightener.
- Loop bridge: ensuring a constant loop between the straightening machine and the feed.

COILERS, COIL DISPLACEMENT DEVICE AND COIL LOADING SADDLE |

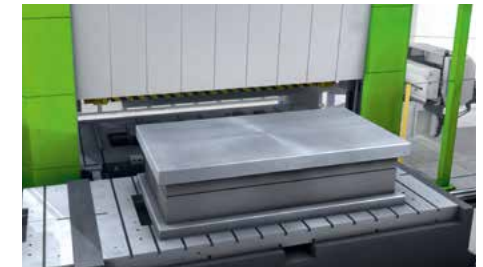
Fast and safe clamping

- Permanently reliable operation
- Stable designed torque bearings
- Light or heavy coils
- Manual or hydraulic splaying
- Variable versions also as a double coil
- Option on coil loading saddle for efficient provision of the next coil
- Hydraulic reel traversing device for coil pick-up possible from the loading saddle

AUTOMATIC TOOL CHANGE |

Effective reduction of production stoppages

- Simple, quick change processes
- Firm, secure tool seat



GOOD PARTS AND SCRAP MANAGEMENT |

Project-related solutions

- Automated distribution and conveyance
- Complete scrap disposal

TRANSFER SYSTEMS |

Individually adapted transfer and handling devices

- Parts positioning
- Blank handling

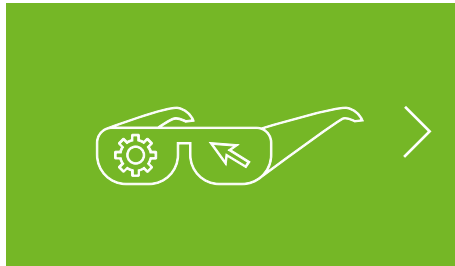


ebu SUPPORT

You can count on preventive maintenance services.

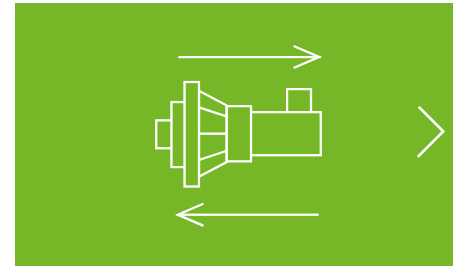
Most spare parts orders are processed within a day. The entire ebu know-how is always ready for you in the shortest possible time.

We offer: Inspections and maintenance work according to individual service plans, general overhaul - also on site, professional repairs of all ebu products and third-party products.



REMOTE MAINTENANCE/REAL-TIME VIDEO COMMUNICATION |

The network connection of our machines enables optimised remote maintenance and repair - for the fastest possible response times and maximum transparency.



RING EXCHANGE CONCEPT FOR ASSEMBLIES AND MOTORS |

In the event of a fault, we are on site at short notice and, for example, replace the defective motor. You can resume production immediately while we repair the engine.

SPARE PARTS SERVICE |

ebu keeps most of the spare and maintenance parts in stock. By producing spare parts in-house, we give your production additional security.



SPARE PARTS SERVICE |

With regionally distributed service technicians throughout Germany, we can be there in no time.





Presses and automatic punching systems are only as good as the service that guarantees their performance.”

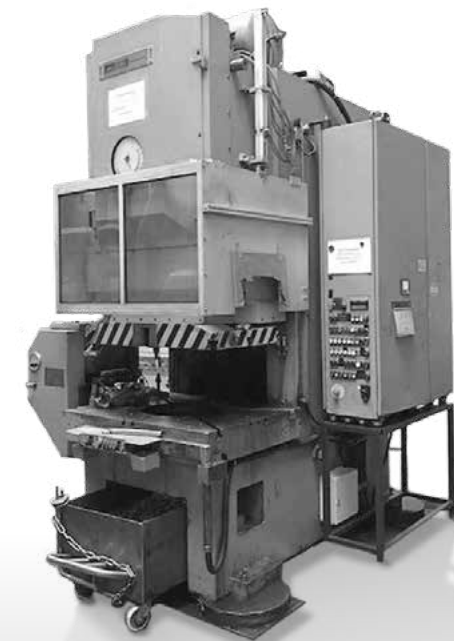
ebu RETROFIT

Complete general overhaul and modernisation of almost all press brands.

Take advantage of our retrofit modernisation concept. We “freshen up” your machine inventory, increasing the service life and profitability of your systems. In addition to the considerable economic advantages, this also makes an ecologically sustainable contribution to the environment.

Typical ebu:

- ✓ **Transport of your modernised system**
- ✓ **Training and support at the start of production**
- ✓ **Installation and commissioning of the system**
- ✓ **Annual service contract**
- ✓ **Documentation upgrade**
- ✓ **For ebu systems including a complete CE declaration of conformity**



Innovative solutions, international partnerships and synergies.

ebu is an internationally successful company in all areas of forming technology. In association with Jiangsu Xuzhou Metalforming Machine Group Co., Ltd. (XUDUAN), ebu is well positioned internationally. Market access based on partnerships in Asia, Europe, South America and Africa and the use of synergy potentials have a lasting positive effect on the company's development.

>70

years of manufacturing and market experience

35

years of average ebu machine service life

69

oldest ebu press maintained by our service

2

production sites in the network of ebu Umformtechnik GmbH Germany and XUDUAN China

120

employees with specialized training

1,510

realized machines since 1949

25

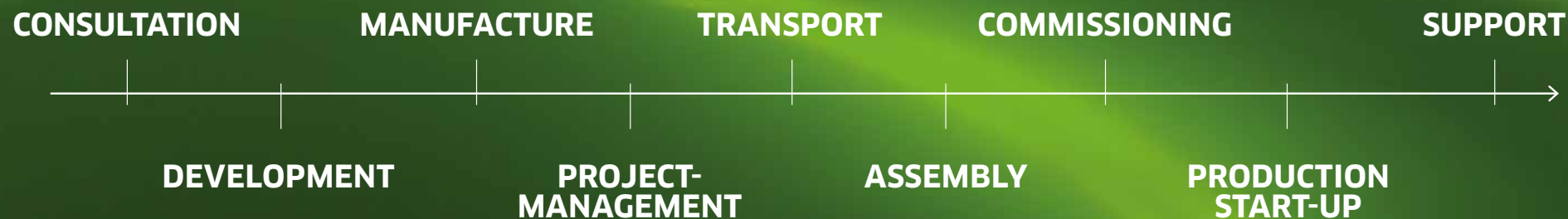
million strokes capacity generated annually

51,000

generated pressure force per year in t

Your way to new forming performance.

When it comes to presses, automatic punching presses and strip feeding lines, ebu has it covered. Depending on your requirements, we can support you in every part of the service chain and unlock the added value potential of metal forming technology for you.



Others sell machines.

We offer Forming Performance for your production.



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