

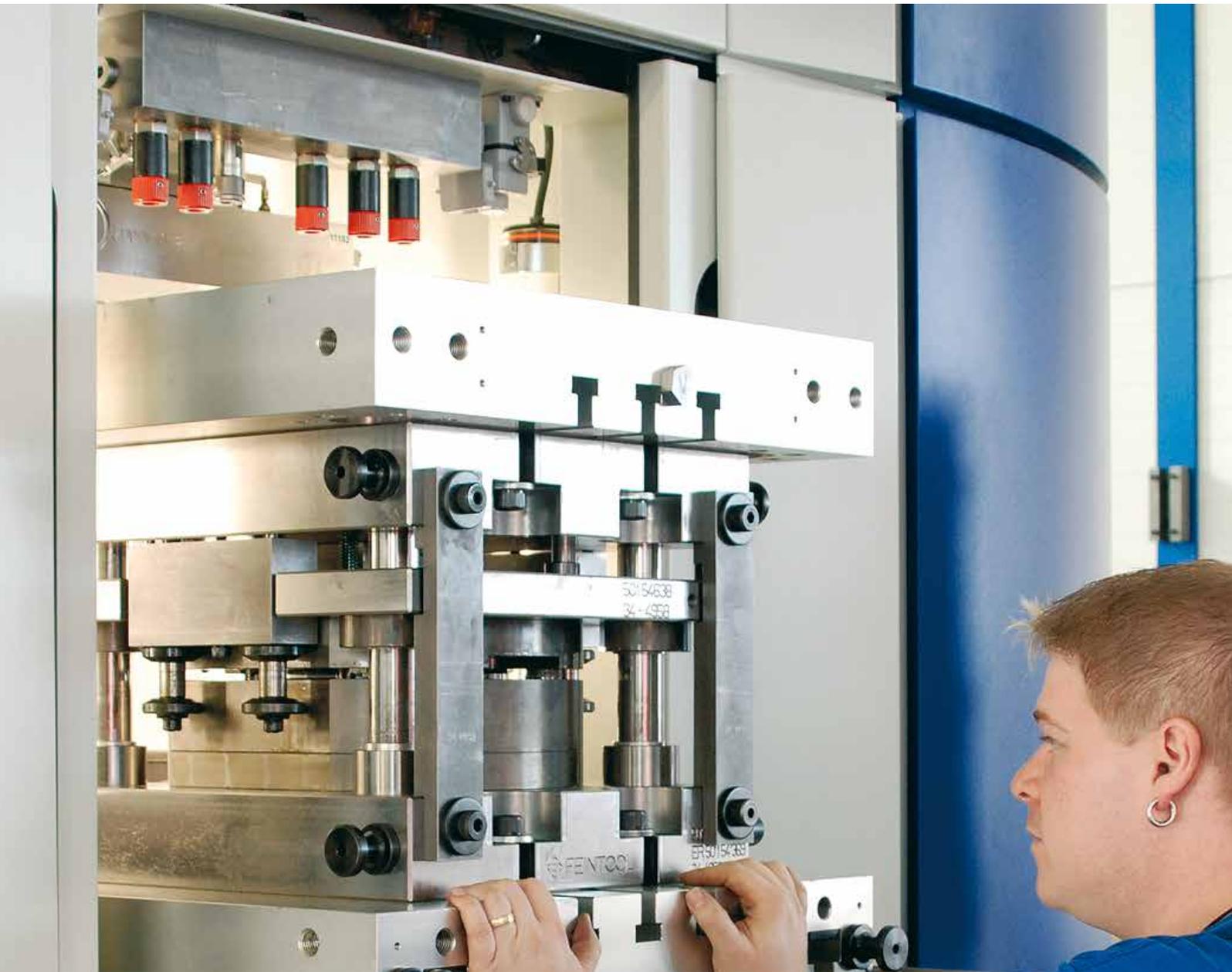


THE NEW DIMENSION IN PRODUCTIVITY:

The future of fineblanking

Servo-mechanical fineblanking press

XFT 2500speed



XFT 2500speed. The advantages

- ▶ Doubled output
- ▶ High flexibility
- ▶ Maximum process reliability
- ▶ Short retooling times
- ▶ Long tool service lives
- ▶ Energy efficiency
- ▶ Low production costs





Productivity. Redefined

Built to make you successful

The XFT 2500 *speed* fineblanking presses are causing a storm among Feintool customers. With rates of up to 140 strokes a minute in production, they represent a major advance on their predecessors. With its high performance, flexibility and process reliability, this press range offers your company everything it needs on its path to success.

DOUBLE YOUR OUTPUT. SIMPLY

High stroke rates thanks to state-of-the-art servo technology



100% greater output, 100% satisfaction

The XFT 2500*speed* is driven by two latest-generation servo motors. Compared to models with conventional drives, this press offers entirely new prospects for parts manufacturing: Using suitable tools, manufacturers can increase their output by up to 100%. This enables productivity at rates never before achieved – a critical success factor in highly competitive markets.

Up to 140 strokes per minute

Thanks to its modern servo technology, the XFT 2500*speed* produces at anywhere from 5 to 140 strokes per minute. The press's stiffness and fully programmable sequences of operation ensure long tool lives even at high stroke rates.

XFT 2500*speed*. The advantages

- ▶ State-of-the-art servo-mechanical drive
- ▶ 100% output gain possible
- ▶ 5 to 140 strokes per minute, 70 mm ram stroke

SPEED. PRECISELY CONTROLLED

Optimum sequences of operation for every tool



Simple, free programmable sequences of operation

Milliseconds for productivity

The servo technology of the XFT 2500*speed* makes free programming of sequences of operation a simple task. In practice, this means that process parameters can be set and adjusted with maximum precision: Motions like acceleration, braking, part ejection or even stopping can be defined to accuracies of within two milliseconds. It goes without saying that these capabilities enable manufacturers to maximize the output of any process.

The tool for fresh success

Combined with new tool concepts, the modern servo-mechanical drive makes it possible to take additional strides in productivity. To fully utilize all this potential, Feintool is today working with its customers to develop the tool concepts of the future.



XFT 2500*speed*. The advantages

- ▶ High-precision sequences of operation
- ▶ Optimized processes for maximum output
- ▶ Massive increases in productivity possible

FLEXIBILITY. IN EVERY DIRECTION

Tool changes in minutes



Tool is also accessible from behind

High cost-effectiveness at any batch size

Long and unprofitable retooling periods and downtimes are now a thing of the past thanks to a number of innovations incorporated during development of the XFT 2500*speed*. Its innovative design enables tools to be changed rapidly in a matter of minutes. As a result, parts can be produced in small and medium-sized batches at cost-effectiveness rates never before known.

Tool changes made easy

Tools are assembled and mounted on bolster plates outside and next to the press while it is still running. The XFT 2500*speed* is fitted with fold-out tool consoles on which the plates are laid for tool removal and installation. These consoles, in conjunction with the new hydraulic tool clamping function, ensure maximum tool-change speed: The old tool is unclamped, rolled onto the console and removed, and the new tool rolled into the press via the console and clamped into place at lightning speed, without the need for bolting.



Fold-out consoles for simple tool changing

XFT 2500*speed*. The advantages

- ▶ Tool changes within minutes
- ▶ Substantially shorter machine downtimes
- ▶ High cost-efficiency even for small-series production

EFFICIENCY. FOR EVERY PROJECT

The perfect foundation for countless applications



The enlarged die space of the XFT 2500*speed*

Precision and speed for complex components

The tool space of the XFT 2500*speed* has been enlarged over that of its predecessor models, opening up new ways of efficiently producing parts that can be utilized to gain competitive advantages. This press thus enables a virtually unlimited variety of applications – and is particularly well suited to manufacturing complex components. Furthermore, it is ideal for raising productivity with multi-cavity tools.



A special adapter means that the press does not have to be reconfigured for tools with a moving punch.

Guaranteed investment security

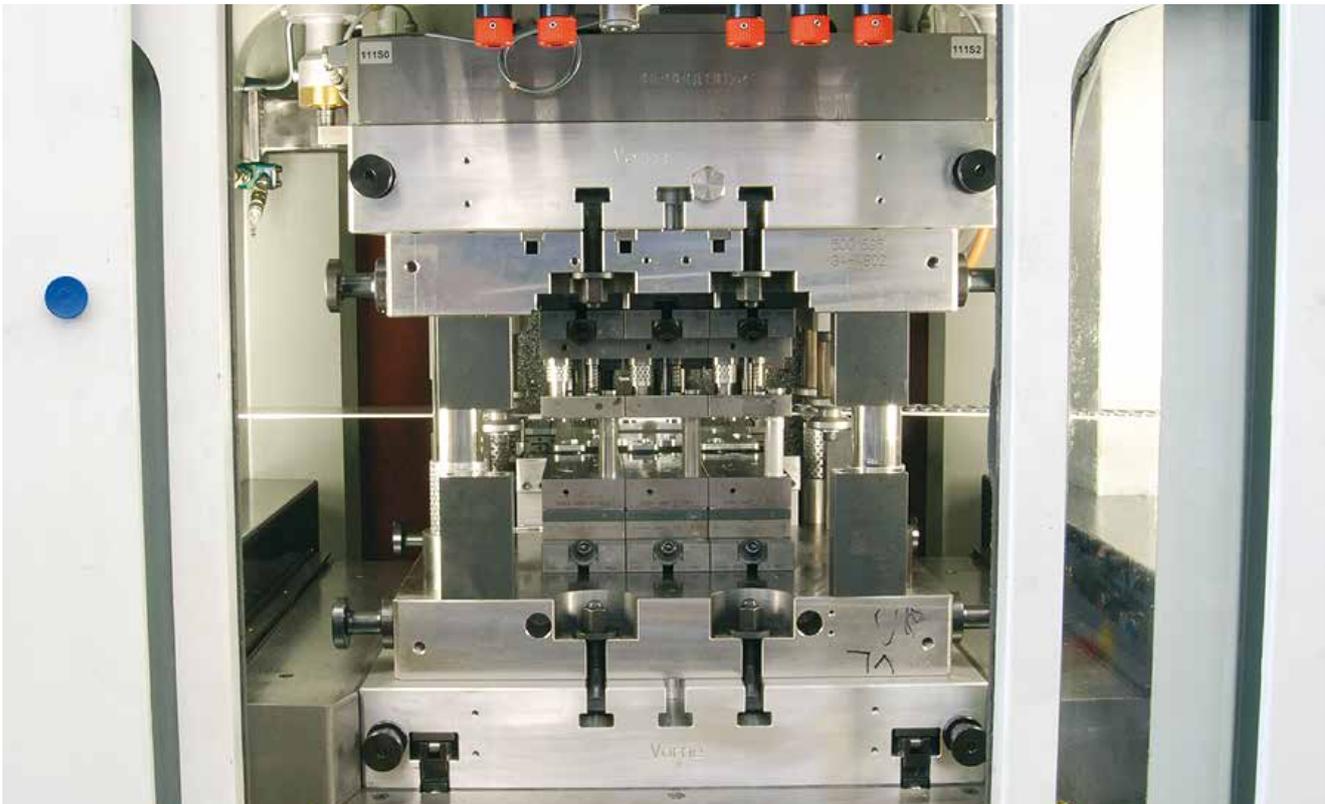
Thanks to its highly flexible die space, the XFT 2500*speed* can easily accommodate existing tools from predecessor models. Earlier investments will thus continue to bear fruit for a long time to come. Moreover, modular tools are used in the press. These have the advantage of only having to replace a single module rather than the entire tool if something is incorrect.

XFT 2500*speed*. The advantages

- ▶ Extended range of applications
- ▶ Competitive edge
- ▶ Investment security

AVAILABILITY. ALWAYS READY TO GO

Minimum wear and maximum tool service lives



Stay in shape longer

The XFT 2500*speed* is gentle on tools. Even at very high cycle rates, tool deformation is practically ruled out. This not only reduces tool wear and maximizes service life, it also ensures that even parts fabricated in large-batch production series are of consistently high quality.

Well built for stability

The strength and stiffness of the XFT 2500*speed's* press frame have been optimized. Both the frame and ram guides feature high stiffness properties. In addition, the cast-iron frame ensures maximum stroke damping. All this contributes to the greatest possible parallelism of the press table and thus long tool service lives.

XFT 2500*speed*. The advantages

- ▶ Minimized tool deformation
- ▶ Long tool service life
- ▶ Consistently high parts quality

LONGEVITY. WELL INVESTED

Ready for the coming decades

Quality at every level

When Feintool developed its new XFT*speed* press concept, it paid close attention to ensuring high availability throughout the years. The individual assemblies and components in the XFT 2500*speed* have therefore been systematically designed for decades of operation. Fast and simple maintenance and effortless component replacement help to ensure that your investment will pay off in the long term.

Easy care, low maintenance

The XFT 2500*speed* requires exceedingly little maintenance: Large service ports offer easy access, and lubricant is supplied to all lubrication points in order to minimize maintenance work. Moreover, Feintool stands ready to assist operators at any time. Within minutes, Feintool's specialists can establish an online connection to the machine and fix failures by remote maintenance. Feintool's comprehensive maintenance packages for presses and tools round out its offering for ensuring successful long-term production.



Large service doors ensure best accessibility

XFT 2500*speed*. The advantages

- ▶ All components of the highest quality
- ▶ Built to work for decades
- ▶ Simple yet comprehensive maintenance of value

ENERGY EFFICIENCY. AUTOMATIC SAVINGS

Ecology and economy in harmony

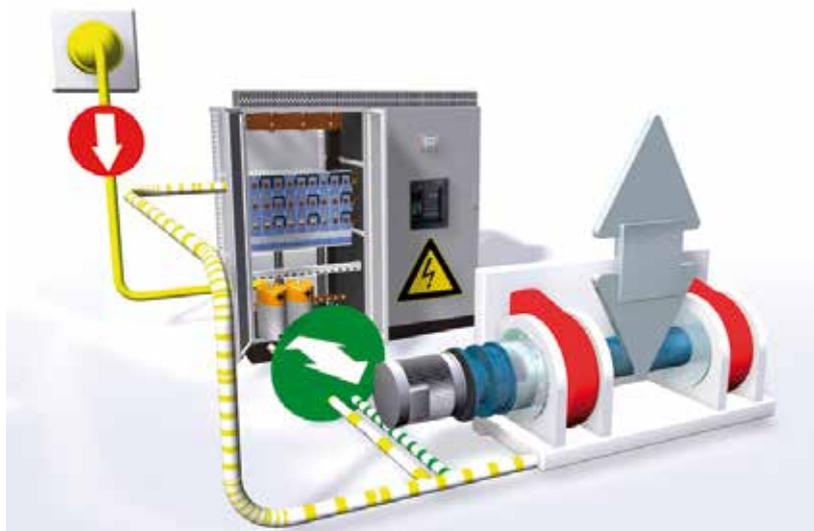
It pays to be clever

Feintool is committed to sustainable environmental protection, and the company pays close attention to environmental considerations when developing new products. The XFT 2500*speed*'s innovative energy management system guarantees minimum energy consumption. This conserves natural resources as well as reducing unit costs – good news for everyone.



Servo technology, energy storage and stand-by mode

The servo-mechanical drive guarantees highly efficient energy use: Thanks to this system, the press only consumes as much energy as it needs to perform the part-specific process. In addition, the press makes use of energy storage: Energy arising from press braking motions is captured and stored, and then re-used when needed. This reduces cost-intensive peak-loading of the electricity grid. And last but not least, the XFT 2500*speed* switches automatically to power-saving stand-by mode when not in use.



Lower energy consumption thanks to innovative energy management

XFT 2500*speed*. The advantages

- ▶ Innovative energy management
- ▶ Low energy consumption
- ▶ Lower unit production costs

PROCESSES. PLAYING IT SAFE

For consistently high part quality

Sensitivity for high process reliability

Other impressive features of the XFT 2500*speed* are its lightening-quick response and process-sensitivity. If complications occur, the interaction between the servo-mechanical drive and the newly designed sensor table substantially shortens the time needed to reach a standstill, even when the press is working at maximum cycle rates. What is more, the direct drive shortens press braking distances considerably and effectively prevents tool damage and partially cut parts.

Environment-friendly, impact-free evacuation

Conventional presses normally use compressed air to evacuate parts. Products can be damaged by impacting against objects. Feintool has eliminated this risk by implementing another new development: The XFT 2500*speed* is fitted as standard with Feintool's new servo removal device, which extracts the fineblanked parts from the tool at high speed without damaging them. Three valuable side effects: high air consumption, oil mist and air noise are gone for good.



The removal device is integrated into the press control system to ensure damage-free part evacuation

XFT 2500*speed*. The advantages

- ▶ Maximum protection against tool breakage
- ▶ Damage-free parts
- ▶ Minimized scrap

COMFORT. PROGRAMMING MADE SIMPLE

Feintool Motion Control

Process control by touchscreen

Feintool's proven Motion Control system has been extended to include new elements. Its use in the servo-mechanical XFT 2500*speed* press opens up new prospects in process control. With its state-of-the-art control engineering and Ethernet technology, the system is equipped for the future, offering actual-value recording and top-quality process performance. Feintool's Motion Control system has a user-friendly touchscreen interface for ease of operation.



Every movement under control

The ram speed and travel cycle of the XFT 2500*speed* can be individually programmed to a previously unachievable depth of detail. Each phase of the motion sequence can be defined and controlled to an accuracy of one hundredth of a second. It is possible to optimize individual process steps at any time. This flexibility enables manufacturers to define the best-fitting, most cost-efficient process for each project.



XFT 2500*speed*. The advantages

- ▶ Maximum process quality
- ▶ Precise process analysis
- ▶ Stroke simulation and test stroke

PERIPHERAL SYSTEMS. COMPLETE PERFORMANCE

From feeding to removal



Carousel for separate multiple parts removal



Feeding line in short long-bed configuration

Perfect coordination counts

Best results can only be achieved with the XFT 2500*speed* if the surrounding peripherals can keep pace with the press's high productivity. Feintool offers peripheral system solutions that are perfectly attuned to the press. Its own experience of producing parts means that Feintool knows the nuances that determine whether or not these solutions are successful.

Complete package from a single source

Feintool holds mature comprehensive solutions at the ready for its customers, geared to providing highly productive operations ranging from individual feeder systems and fully automated tool changers to robots for separate removal of finished parts and scrap. From a single source, our customers obtain the engineering, installation, commissioning and training services for complete facilities.

Feeding lines – seamlessly integrated

Efficient material feeding plays an important part in ensuring the cost-effectiveness of the fineblanking process. Incorporating the feeding line's control and safety technology into the fineblanking press enhances process reliability and system availability by a very significant amount. Feintool can deliver the ideal solution for every challenge by working closely with innovative manufacturers.

XFT 2500*speed*. The advantages

- ▶ Maximum productivity
- ▶ Individual solutions for peripheral systems
- ▶ Everything from a single source

SERVICES. ALWAYS THERE FOR YOU

Feintool Service – on call around the world



Preventive on-site maintenance service

24/7 Service Hotline – connected worldwide

Regardless of what time zone your company is manufacturing in, it can access Feintool's know-how at any time via the Service Hotline. Hotline staff are well experienced with Feintool fineblanking systems, and are thus the most competent advisors around. They have a direct line to Feintool's service engineers and original spare parts. Remote diagnostics by telephone or internet serve as the most efficient aid for rapid fault remediation.

Smart Maintenance – increasing performance

Smart Maintenance – increasing performance
To increase system availability and cost-efficiency, Feintool offers a smart monitoring and maintenance planning service. Feintool Smart Maintenance helps you to reduce unplanned downtime, optimize maintenance cycles and increase press availability and performance.

eShop – for an even faster response

Original spare parts can be sourced even more quickly in the Feintool eShop. Online ordering



Professional support by remote maintenance

speeds up both quotation issuing and order handling. Speedy spare parts delivery means that your fineblanking system will quickly be running at maximum performance again.

Preventive maintenance – avoiding downtime

On request, Feintool's service engineers will carry out specified maintenance work on fineblanking systems aimed at preventing unprofitable downtime. They draw on the experience gained by the company at its own production facilities around the world. Preventive maintenance is performed as a supplement to the regular, weekly upkeep work undertaken by your own maintenance staff. Preventive maintenance is geared to the specific press model and mode of operation, and is performed at least once a year.

Feintool. Excellent service

- ▶ Reachable worldwide around the clock
- ▶ Minimized downtime
- ▶ Fewer stoppages

FEINTOOL – LEADING WORLDWIDE

Technology support for demanding customers

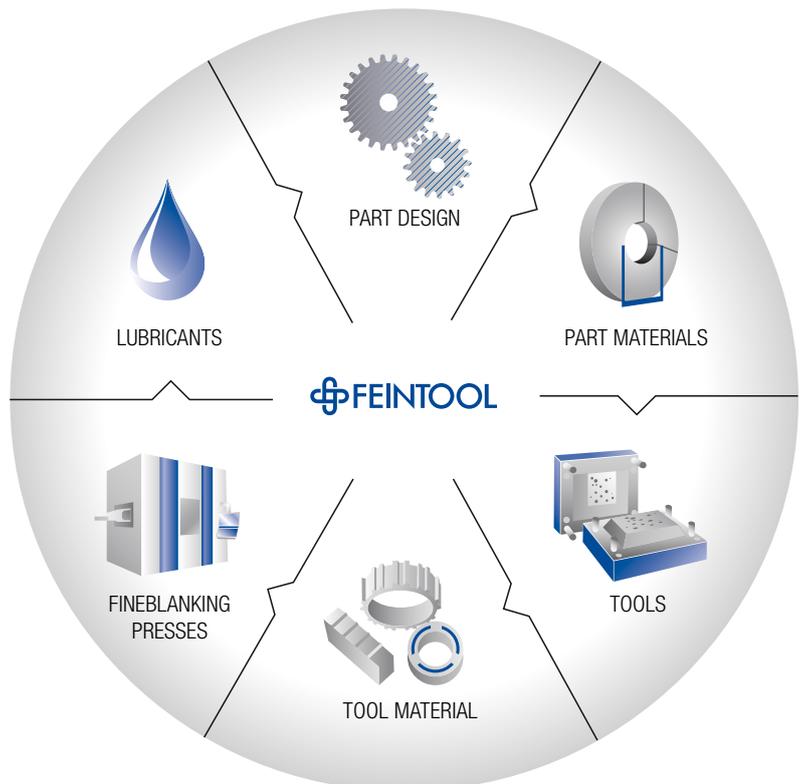


Fineblanking technology training

The complete spectrum

Feintool supplies total solutions comprising presses, tools and peripheral systems for fineblanking and forming technology. Feintool's activities focus on customer-specific development and production as well as comprehensive support comprising consulting services, engineering and training.

To ensure project success, presses, tool systems, materials technology and component design must all be geared to each other. As a globally operating provider, Feintool unites all of these core competencies, giving it the foundation needed to deliver comprehensive technological consulting and customer support.



Feintool technological knowledge for every segment

No detours – direct to the best solution

The specialists at Feintool support their customers along the entire process chain. The advice they offer covers everything from component and tool design and materials to lubricants. Customers also benefit from Feintool's skills in process optimization, machine operation and preventive maintenance of their systems.

Feintool – Expertise from the technology leader

- ▶ Comprehensive technological consulting
- ▶ Process optimization
- ▶ Services from a single source

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