



Reliable processes, greater productivity:

With know-how from the technology leader

Services

Feintool center of competence



OUR SERVICES. END-TO-END

- ◆ Simulation and feasibility studies
- ◆ Prototyping and design consulting
- ◆ Engineering and tool concepts
- ◆ Tool manufacturing and testing
- ◆ Spare elements
- ◆ Contract manufacturing and hardening shop

THE BENEFITS TO YOU. CONVINCING

- ◆ Faster time to market
- ◆ Time and cost savings
- ◆ Optimal solutions
- ◆ Greater productivity
- ◆ Extensive know-how
- ◆ Everything from a single source



TOOLMAKING. AND MUCH MORE

A competitive edge can be planned

Feintool supports its customers along the entire process chain. From feasibility studies, to tool making, right up to the finished product, the Feintool center of competence offers all the services you need to make your project a success. Our technology know-how is available as a complete package or in selected modules.

SIMULATION. FOR REAL BENEFITS

Making processes transparent



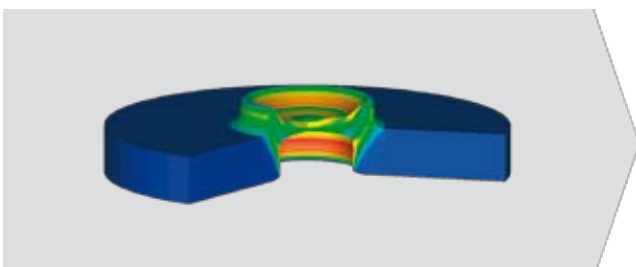
Simulation provides a real insight into what goes on in your forming processes

Feintool Virtual Systems

Avoid costly and time-consuming trial and error loops: our feasibility studies and simulations will quickly provide a fineblanking-friendly part design without the need for expensive tools. They are essential in ensuring low unit costs. With the aid of our Feintool Virtual Systems software, we simulate your ideas and improve them until we achieve optimum results for the tool and parts. You can therefore be confident that the process concept – regardless of whether it is prepared by you or by us – is well confirmed before you move on to the next step.

Our offering:

- ◆ Ensures you get from the initial idea to the first part in the shortest possible time
- ◆ Makes new applications in boundary areas possible
- ◆ Reduces trial and error loops and the cost of errors



PROTOTYPING. BEING CERTAIN OF GETTING IT RIGHT

Perfecting parts design



Efficient prototyping helps to save time and money

Step by step to full production

It makes good sense to produce prototypes of parts in the early stages of project development. Methodical testing under real-life conditions quickly uncovers any potential weak points. They can then be resolved before retesting in the next step. Our efficient prototyping service lets you refine the design and functions of your parts quickly and inexpensively. To ensure that production can start quickly, only near-series prototypes and pre-production samples are used.

Our offering:

- ◆ Efficient optimization of your component design
- ◆ Time and cost savings
- ◆ Near-series parts, confirmed processes



ENGINEERING. FOR OPTIMUM RESULTS

Successfully planning production



Consulting and engineering are our strengths

Effective concepts for market success

How do you maximize the synergy of component design, materials and tool design to achieve the best possible results? Feintool's engineers can show you how. With their ability to see the whole picture and identify interdependencies, our engineers can prepare a production concept that will bring the best out of your resources and raw materials. The „Strip optimizer“ – an exclusive Feintool software application – helps to minimize material waste and to calculate unit costs, and our knowledge database containing over 10,000 solutions to different problems ensure that your production concept is developed with maximum efficiency.

Our offering:

- ◆ Predictable unit costs
- ◆ „Strip optimizer“ for optimum material usage
- ◆ Knowledge database for efficient solutions
- ◆ Concept studies



DESIGN. FOR HIGHEST REQUIREMENTS

Developing innovative tool solutions



Tool solutions to satisfy highest requirements

Focusing on precision and robustness

Tools are the heart of every production process, and a carefully thought-out tool solution is the foundation of a cost-effective and successful production concept. When it comes to designing tools, Feintool's engineers have a talent for innovation and a wealth of unique experience. Working with state-of-the-art CAD systems, they design tool solutions that are accurately tuned to the needs of the production concepts. To guarantee that tools work perfectly under tough conditions, we thoroughly check every aspect of our solutions in simulations.

Our offering:

- ◆ Innovative, carefully thought-out tool solutions
- ◆ Unique experience, closeness to real-life use
- ◆ Maximum precision and robustness
- ◆ Detailed documentation



PRODUCTION. FOR GUARANTEED RELIABILITY

Producing tools skilfully



Optimized tool solutions from Feintool

Our know-how adds value

Every year, Feintool produces over one hundred tools for fineblanking presses at its Lyss factory alone. Every day, we expand our unique expertise and add detailed knowledge to it. Whether the design is ours or your own, your order is in good hands with Feintool's specialists. We use state-of-the-art machinery and our own hardening shop to produce tools that satisfy the most demanding requirements. Our tools are characterized by outstanding wear resistance, diversity and maximum precision, even in their most complex applications.

Our offering:

- ◆ Outstanding wear resistance
- ◆ Maximum precision
- ◆ Tools, spare elements and individual components from a single source



TESTING. FOR PROVEN PROCESS CAPABILITY

Preparing tools for use



Tested, process-capable tools

An exclusive worry-free package

Feintool is the world's only supplier to subject its fineblanking tools to practical testing under tough operating conditions. As a Feintool customer, you can be confident that you will be able to use your tool in your production without delay. And because no time-consuming adjustments or corrections are needed, you can use your presses' productivity to the full.

Feintool's uncompromising approach to quality is reflected in our tool commissioning services. Our specialists will assist you at your premises or in our technology centre right through to the start of series production. Having qualified help to get you started ensures that you achieve a high level of process reliability in a very short time.

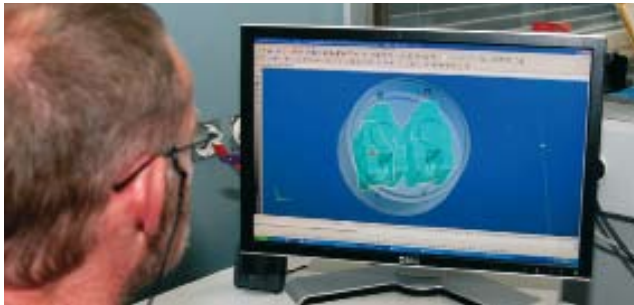
Our offering:

- ◆ Tools are immediately ready for use
- ◆ No disruptions to production
- ◆ Help getting started for maximum process reliability



SPARE ELEMENTS. FOR RELIABLE PRODUCTION

Finding the right replacement quickly



Spare elements for reliable production

Original manufacturer parts

Being able to obtain the right spare elements quickly is an important factor in ensuring reliable, cost-efficient production. This is an area where Feintool offers customers an excellent service. Thanks to our proven software solutions – which provide information on details such as residual tool life and stock quantities of the part in question – Feintool can supply the parts you need in time. There are clear benefits to using only original Feintool spare elements: they take a minimum time to fit and ensure the consistently high quality of your processes.

Our offering:

- ◆ Easy ordering
- ◆ Short delivery times
- ◆ Attractive discount structures
- ◆ Management of tool blanks



CONTRACT MANUFACTURING. FOR GREATER FLEXIBILITY

Outsource production made simple



We can help you with your production bottlenecks

The best solution for bottlenecks

Feintool offers effective support for just-in-time production. Whenever your production capacity is unable to cope with a specific manufacturing order, we can offer flexible and uncomplicated solutions. We can contract-manufacture a wide range of products for you. You will benefit from our highly trained workforce, modern production facilities, and our high quality standards.

We can reliably offer:

- Pre-production and small batch runs
- Hardening shop
- Wire-cut EDM
- Hard machining
- Water jet cutting
- 3D measuring machine

Our offering:

- ◆ Overcoming production bottlenecks
- ◆ Variable rather than fix costs
- ◆ High quality at fair prices

FEINTOOL. A WORLD LEADER

Your partner for the unique difference



Transmission components: Fineblanking precision at the heart of every automatic transmission

As a global technology and market leader, 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 advisory services, engineering and training.

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

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