



TOPTOOLS

TESTED AND CUSTOM-FITTED.

TOPTOOLS

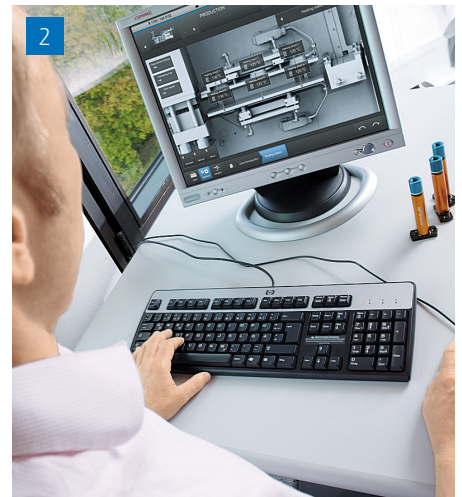
Tools and format parts from the original manufacturer: designed, produced, extensively tested, and run in under simulated production conditions by Uhlmann. The latter is carried out on machines corresponding to those subsequently used in production. The long-term archiving of all parts data and documentation is also included. Furthermore, Uhlmann's expertise covers individual consultation, acceptance and, if required, on-site commissioning.

All these elements add up to form a comprehensive product and service package. Whether forming tools, feeders, sealing, perforating, or embossing tools, punches, or format parts for product transfer, one thing is certain: our efforts extend way beyond straightforward tool and format part production. For decades, we have not restricted ourselves to this one aspect, but always focused on the big picture.

FOUR CORE COMPETENCIES THAT GIVE YOU A LEADING EDGE:

1 Format parts, tools, and feeders

Products of complex shape, particularly susceptible tablets, caplets, multiphase preparations, ampoules, vials, syringes – the wide spectrum of products is matched by our diverse range of format parts and feeding systems. Our expertise is based on 70,000 standard and special tool sets as well as 30,000 feeder solutions for pharmaceutical customers worldwide.



2 Forming and lidding materials

Barrier properties, formability, sealing and shrinkage behavior, forming behavior of aluminum forming materials, tightness, wall thickness distribution, machinability – our TopTools ideally suit your forming materials. To ensure protection of your products as well as stable running times.



3



3 Machinery

Our tool production is able to draw on over 65 years of experience in the development and building of standardized and customized pharmaceutical packaging machines. Your benefit: you receive custom-fitted format parts for your machine.

4 Processes

We do not regard format parts separately, but always as a part of the overall packaging process. They have a significant and direct impact on blister quality, and have a major influence on the machine and line productivity. In other words: TopTools and processes are optimally attuned.

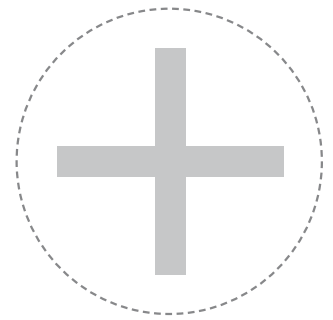
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CONVINCING SERVICES

- Consultation, technical support, and troubleshooting over the entire packaging process, e.g., when it comes to the selection of the right parameters and setting values with due regard to the functional dependence of the separate stations, components, and machines.
- Expertise ranging from product feeding, to the packaging line and materials, to optimum output.
- Specification of print marks considering the differing forming material properties.
- Solutions to combat static electricity in the feeding process.
- Retrofitting of required auxiliary functions relevant to the format such as plug assist, lid material heating, or optimized sealing stations.
- Rapid prototyping in the case of unusually shaped products such as syringes.
- Run-in under simulated production conditions – 20 blister machines of all generations, 10 test stands for all types of feeders.
- Maximum delivery reliability and functional assurance, even in the case of time-critical projects.

YOUR BENEFITS

- All core competencies from a single source; optimally coordinated format parts, machine, packaging materials, and processes.
- Verified quality on the basis of total quality management and defined quality gates.
- Accurately designed, reliable precision tools and format parts – tailored to your requirements.
- Full protection for your products: perfectly formed pockets; tight, correctly filled, and sealed blisters.
- Time-saving commissioning on account of extensive functional tests in advance at Uhlmann.
- Fast format changeovers.
- Consistent machine speed.
- Fast reproducibility and combination of useful format set parts through archiving of all format histories.
- Long-term production and process reliability.
- Your investment pays off: with long life cycles, continuous productivity, and high overall efficiency.



ToolManagement by Uhlmann:

a professional tool management system that noticeably simplifies the retooling process – no matter what make of machines.



Learn more about Uhlmann services.

THE HEARTBEAT OF PHARMA PACKAGING

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