

Focus: Cup forming – time for SPEED and performance

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Time for KIEFEL's new Thermorunner KTR 4 SPEED and KTR 5 SPEED cup forming machines. They combine intelligent technology, perfect quality and optimum production rates with low costs.

Cups with sealing lips, drinking cups, cups for use with snap-on lids, plant-pots or snap-on lids – quality begins with the heating system. Thermorunner KTR SPEED machines operate with individual zone control, which ensures that heat is distributed consistently over the complete forming surface and into the foil material. The system offers flexible selection between metal or ceramic heating elements.

The robust cast-steel forming/cutting station permits high-precision forming and stamping. Higher cutting force delivers greater cutting length. This allows the use of a larger number of cavities, which in turn increases cup output. A servomotor-actuated pre-expansion stamp ensures maximum accuracy – right down to the base of the cup.



Foto.: Cup Forming Machine Thermorunner KTR 4 SPEED

A cooling system with central water distribution ensures a perfect water temperature. This prevents condensation and increases the service life of the tools.

Operation in conjunction with an efficient compressed-air system positioned near the forming/cutting station, fitted with large-diameter conduits and fast-acting valves, ensures a faster, more precise forming process. Increased output with higher product quality is the result.

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KIEFEL also includes its new SIMOTION PLC system here, which has already been used successfully with the Thermorunner KTR 6 Speed and KMD Speedformer range. A main characteristic is the position control system and SPC, which are directly linked to the drive systems. A radical system solution designed to provide short cycle times.



Foto.: Drinking Cups

KIEFEL is a world leader when it comes to the design and manufacture of machines used to process plastic foil materials. The company offers core expertise in the fields of forming and joining technology. In addition to supplying the packaging industry, KIEFEL also serves the automotive, medical technology and refrigeration sectors.

KIEFEL GmbH, a member of the Brückner Group, is based in Freilassing, Germany. The company also runs its own network of sales and service centres in the United States, France, the Netherlands, Russia, the Czech Republic, China and Brazil, and is represented by sales partners in more than 60 countries worldwide.

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