

PRESS INFORMATION

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Cup forming – Focus on SPEED and performance

The Thermorunner KTR 5.1 Speed cup forming machine from Kiefel leaves nothing to be desired. It is at home both in mass production and in niche products; intelligent technology combines perfect forming quality with high production speeds.

Whether yogurt cups, drinking cups, coffee capsules, cups for snap caps or plant pots - the quality of the products is determined by several factors.

The KTR 5.1 Speed scores highly when it comes to certain key factors, with its improved process parameters due to the implementation of innovative ideas.

A new cooling system ensures perfect temperatures in the tool. The fully automatic tool temperature regulation results in a 30% longer tool life compared to the predecessor model. Along with this comes a steady product quality with about 10% increased output.

The improved forming air system allows faster filling and venting of all cavities and thus supports an about 30% faster as well as precise forming process.

The film transport system is also optimized with sophisticated film spreading and a feed table which protects the material surface.

There are also innovative developments on the software side in terms of process monitoring, intuitive forming process settings, "Smart Startup" and the "on-the-fly" feature, smooth transfer from forming to stacking.

A proven standard feature of the KTR 5.1 Speed is the optimal film heating. Therefore the pre- and main heating are equipped with efficient black HTS ceramic radiators. The film temperature is displayed and tracked by an infrared pyrometer.

The robust cast steel forming and punching station has the necessary high cutting force for high-precision forming/punching operations with increased cutting length. As a result, more cavities can be arranged, facilitating higher output of cups.

A servomotor driven pre-stretching ensures uniform material distribution all the way to the cup bottom.

In combination with the efficient PUS series stacking machines and automation solutions, from the film roll to the packaging carton, Kiefel completes the tailor-made production line with a KTR 5.1 Speed - all from a single source!

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Image: Cup Forming Machine Thermorunner KTR 5.1 Speed with PUS Stacker

(Fact Box)

KIEFEL GmbH develops and produces high quality machines for processing plastic films. Our customers include well-known manufacturers from the automotive, medical engineering, refrigerator and packaging industries.

Kiefel has a global presence thanks to our own sales and service branches in the USA, France, the Netherlands, Russia, China, Brazil, Indonesia and India, as well as our sales partners in more than 60 countries.

Kiefel owns the automotive specialist KIEFEL Automotive s.r.o. based in the Czech Republic, the Dutch thermoform toolmaker Kiefel Packaging BV and the Austrian company KIEFEL Packaging GmbH, a supplier of tools and automation solutions.

Kiefel and its subsidiaries employ around 1,160 staff. KIEFEL GmbH is a member of the Brückner group, based in Siegsdorf, which is a family owned group of medium-sized enterprises active in machinery and plant engineering with around 2,500 employees at 29 different locations worldwide.



PRESS INFORMATION

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