

Main benefits at a glance

- +** **Reliable chain-rail film transport system**  
Narrow material clamping and compact construction, thus smaller films can be used, reducing costs and improving energy efficiency due to better heat area coverage and lower heat requirements for the flange area.
- +** **Full control of the forming process**  
Combined diagrams showing all important process parameters at a glance, e.g. mold movement, vacuum valve, pneumatic diagram, set limits and master curve, to enable fast operator and the best product quality.
- +** **High-pressure thermoforming**  
High-pressure thermoforming allows relatively low forming temperatures to be used, the product physically benefits from a higher material tensile strength, therefore the sheet thickness can be reduced by up to 20% whilst maintaining the quality.
- +** **Multi-cavity mould machine capability**  
Depending on their size, small products can be produced with up to 4 cavity moulds, increasing production from 300 to 1200 pcs/hour.
- +** **Forming and trimming in one cycle**  
This technology is the result of extensive know-how developed in the packaging machines. The forming tool is fitted with knives and punching plates, which makes the trimming after forming very accurate.
- +** **Low noise machine design**  
Extensive research and noise investigation have resulted in a very low noise machine, minimizing health risks for the operator (average noise level <= 80 dBA).



Full automatic mould change (> 5 min.)

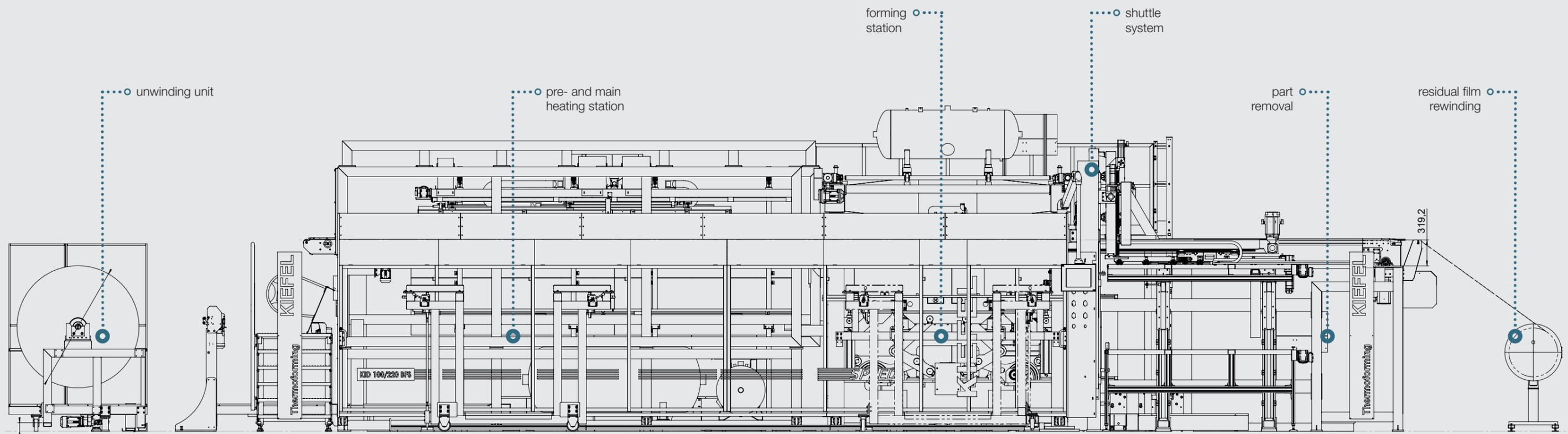


Industry 4.0 – QR-CODE/ DATA print



**SHARPFORMER  
KID SPEED SERIES**

Technical data	KID 1.000 Speed	KID 1.100 Speed available with SxS door liners
Forming Technology	high pressure/vacuum-pressure	high pressure/vacuum-pressure
Forming Pressure	max. 4 bar	max. 4 bar
Max. forming area	1000 x 2200 mm	1100 x 2200 mm
Min. forming area	420 x 1150 mm	420 x 1150 mm
Forming height above sheet	150 mm	150 mm
Forming height below sheet	50 mm	50 mm
Sheet thickness	0.8 – 1.8 mm	0.8 – 1.8 mm
Max. mechanical speed	300 cycles/h	300 cycles/h (SxS 260 cycles/h)
Max. production speed	300 – 1200 pcs/h	300 – 1200 pcs/h



## Reduce your operational costs with new machine features

The Kiefel Sharpformer for refrigerator door liners

The new generation of inline thermoforming machines - SHARPFORMER KID Speed series – is specially developed to achieve high-output production of door liners made of HIPS or ABS materials.

The proven Kiefel thermoforming technology reduces total operational costs with its machine design features.

- + **High pressure forming** – up to 20% reduced material thickness reduction
- + **Forming and trimming in one cycle** – up to 100% high-quality trimmed parts
- + **High-efficient heating system** – up to 40% lower energy requirements
- + **Compact machine design** – up to 30% reduced machine footprint

## Ultra-efficient, dedicated door liner machine

The overall process comprises: automatic unwinding of the plastic film from the roll, heating, forming and trimming in place, product unloading, residual film rewinding onto a roll for further reprocessing or direct regrinding inline.

**Simple, robust, stable, easy maintenance – whether with a SHARPFORMER KID Speed basic machine or a customized version – You always have the highest output and the lowest operational costs!**

