

- Reliable chain-rail sheet transport system

Narrow material clamping and compact construction, thus smaller sheets for reduced costs and more efficient energy use due to better heat area coverage and lower energy to heat the flange area
- Full control of the forming process

Combined diagrams with all important process parameters at a glance, e.g. mold movement, vacuum valve, pressure air diagram, set limits and master curve, to enable for the operator fast reaction and the best product quality
- High-pressure forming

High pressure thermoforming makes possible use of relative lower forming temperatures, the product is physically benefitted with a higher tensile material strength, therefore the sheet thickness can be reduced up to 20 % for an equivalent quality.
- Multicavity-mould machine capability

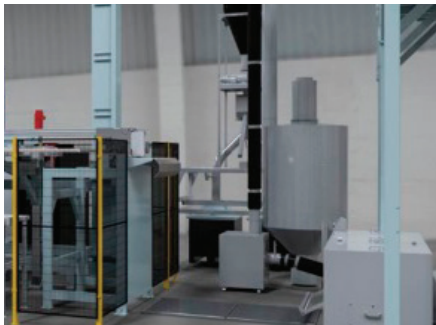
Small products depending on the size can be produced with up to 4 cavities mould, thus increase production from 300 to 1200 pcs/hour.
- Forming and trimming in one cycle

This technic h is the result of extensive know-how developped withn the packaging machines.
The forming tool is fitted with knives and punching plates, what makes the trimming after forming very accurate.
- Low machine noise design

Extensive research and noise investigation resulted in a very low noise machine, minimizing health risks for the operator.
Noise average level < = 80 dBA



Full automatic mould change (> 5 min.)



Inline grinding of residual material

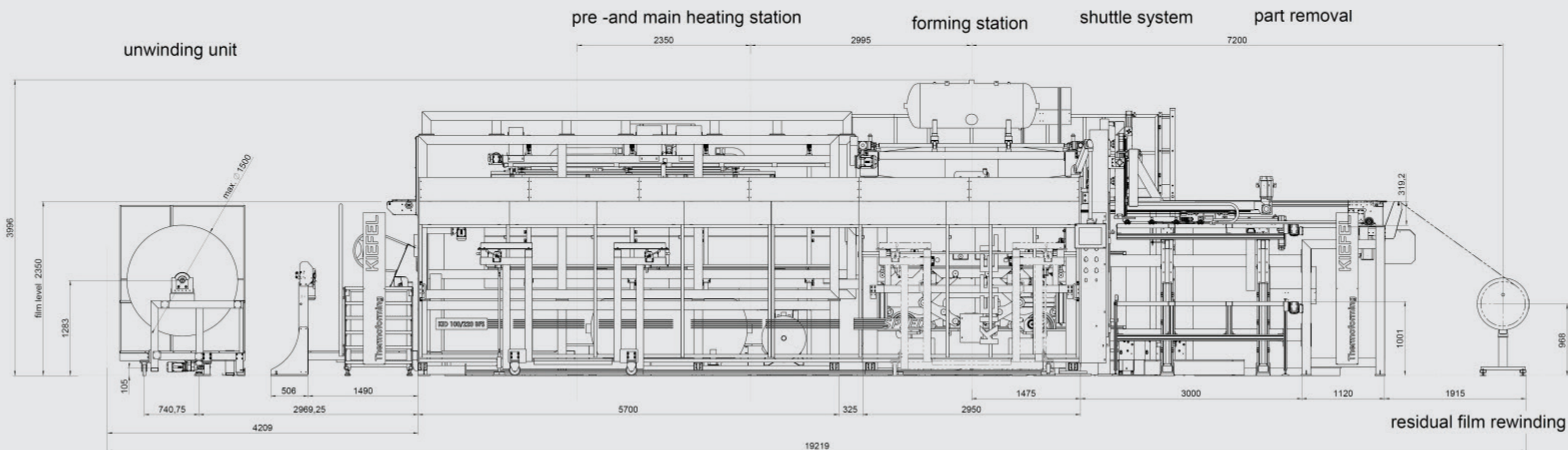


Industry 4.0 – QR-CODE/ DATA print

Technical data		
Forming Technology	High-pressure forming with trimming in one cycle	
Forming Pressure	max. 4 bar	
Maximum forming area	1000 x 2200 mm	
Minimum forming area	500 x 800 mm	
Maximum number of mould cavities	4	
Forming height above sheet	150 mm	
Forming height below sheet	50 mm	
Sheet thickness	0,8 – 2,0 mm	
Maximum mechanical speed	12s / piece	
Maximum production speed	Door-liner 300 – 1200 pcs/h	



HIGH PRESSURE
KID BFS-R DOOR LINER



Drop your total operational costs for the production of doors

The KID BFS-R for Refrigerator Door liners

The new generation of Inline Thermoforming Machines KID BFS-R series is specially developed to attend the high-output production of door-liners made of HIPS or ABS, besides provide production means to reduce the total operational costs based on four machine design features:

- ⊕ **High pressure forming**
- ⊕ **Forming and trimming in one cycle**
- ⊕ **High-efficient heating system**
- ⊕ **Machine compact design**
- ⊕ **Up to 20 % material thickness reduction**
- ⊕ **Up to 100 % high-quality trimmed parts**
- ⊕ **Up to 40 % lower energy cost**
- ⊕ **Up to 30 % reduced machine footprint area**

Ultra-efficient and dedicated Door-liner machine

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

Simple, robust, stable, easy maintenance – whether with a KID BFS-R basic machine or a customized version with options: You always have the highest outputs and the lowest operational costs!

