



**FULL WRAPPING MACHINE UNIVERSA 300 FS
ENERGY-SAVING SHRINK TUNNEL COMPACT 450 KD**



The space-saving combination
for small formats

Complete product range
for efficient packaging processes

Kalfass 
Results count.

Full wrapping machine and energy-saving shrink tunnel

UNIVERSA 300 FS and Compact 450 KD

The fully automatic lap-sealer with forming shoe is based on the robust Universa series. Packaging of products is carried out with a fully closed film bag with film overlap, meaning the machine produces no separate film scrap. The C450 KD energy-saving shrink tunnel, with its highly effective thermal insulation, extremely accurate temperature control and highly accurate adjustable air flow regulation, is equipped with two ring nozzle heating systems. They are arranged opposite each other, top and bottom.



Technical specifications

Transverse seal bar, length	350 mm
Product clearance height	200 mm
Heating system	regulated, contactless
Power supply	400 volt, three-phase
Film, centre-folded film	approx. 12 - 80 µm
Transport speed	adjustable
Packaging capacity, max.	15 cycles / min



The transverse seal bar is only 350 mm long. Easily adjustable forming shoe, in both horizontal and vertical direction. The product feed is perpendicular to the flow direction.

Your benefits highlighted

- Perfect packaging results for small-format products in fully closed film bag with film overlap
- Little space requirements due to compact footprint
- Easy integration of the system into existing production lines
- No film scrap
- High flexibility in the format area owing to forming shoe (optional), which is adjustable horizontally and vertically. Quick product format change
- Ring nozzle heating technology with integrated air circulation system for efficient energy recovery
- Highly efficient insulation ensures quick warm-up times
- Intelligent technology avoids extreme temperature fluctuations, and thus saves energy

Solutions based on Kalfass quality. Competence in production of a wide range of packaging machines, from customer tailored systems to packaging systems for integration into production lines.