



Fully-automatic side sealer

## UNIVERSA 400 Stainless Steel Execution

### One for all occasions

The fully automatic side sealer Universa 400 is the answer to (almost) all packaging requirements. Its name reveals the concept and objective for this universal film packaging machine. The encoder control by KALLFASS based on the Siemens S7 was realized for the first time in serial machine production. Complicated and time consuming fine tuning of timers with different product length or speeds are history. End users with constant product change-over appreciate the advantages of encoder controls. Manufacturing plants with a wide product range, as well as industrial service - and contract packagers, profit highly from a simplified production process. Another advantage for all users: exact bag lengths within tight tolerances. Every bag has the same length guaranteeing consistently high quality.

Due to stainless steel execution the UNIVERSA 400 is the ideal packaging component in food production lines to achieve high-impact retail packaging for various food products such as pizza, frozen food products in boxes, sausages, egg trays, meat, fish and poultry products or others.

A wide range of options is available with the UNIVERSA 400, so it can be configured for many special applications. The optional modem and Ethernet connection make the UNIVERSA 400 the perfect component for fully automatic packaging lines, including with main server.



**Kallfass**  
Verpackungsmaschinen

Results count.

## Facts, Data , Figures

### Technical Data

### Universa 400

Length of cross seal bar:	450 mm
Maximum production speed (depends on product and film used):	up to 85 packs / min
Min. product length:	80 mm
Working height, adjustable:	780 mm – 930 mm
Speed of transport conveyor, fix:	20 m/min
Film:	centre-folded film, approx. 12 – 80 micron
Film roll, core diameter / outer diameter approx.:	76 mm / max. 400 mm
Width of film reel:	max. 600 mm
Film cradle:	close to floor for easy film reel loading
Programmable logic controller (PLC):	SIEMENS S7
Operator interface:	Touchpanel SIEMENS
Sealing system:	permanently heated seal bar with exchangeable sealing ledge, maintenance free, with absolutely inodorous operation, temperature regulation by PLC
Max. clearance in height of sealing frame:	200 mm
Power supply:	400 volts, 3-phase, 50 Hz, with protective earth conductor
Rated capacity:	3.5 kVA
Nominal current (at 400 V):	5.1 amps
Colour:	KALLFASS Anthracite

Controlling of the products by an encoder. Smooth readjusting of motion times on dimension-or speedchanges.

Infeed conveyor can be pulled out for better access during threading in film

Motor-driven film transport with automatic film scrap take up winder.

Permanently heated seal bar with exchangeable sealing ledge, available in different profiles to produce excellent sealing seams depending on product and film

Operator guidance and error diagnostic by colour Touchpanel (available languages:

German, English, French – other languages upon request) incl. Product Data Memory for various products

### Options at extra cost

Perforating device with needle roller, 3 rows of needle

Infinitely adjustable speed of both transport conveyors approx. 10 - 35 m/min, incl. smooth-start

Integration of feeding systems (e. g. MGZ 400IL or transport conveyor) in PLC and product data memory

Wheel/knife –combination (patent pending – 10224360.3)

Free rotating wear free counter seal bar for films without PP content (registered design)

Wheel/knife –combination (patent pending – 10224360.3) with separate cold-knife

polycord infeed, in stainless steel, product detection horizontal only

Infeed conveyor extended by approx. 1000 mm for operator friendly product presentation

Narrow infeed belt, approx. 200 mm wide

Outfeed conveyor as "kissing conveyor" for small products (< 80 mm)

High speed package for e.g. CD's up to approx. 105 cycles/minute

Tear-open perforation by cutting wheel for easy opening of packages

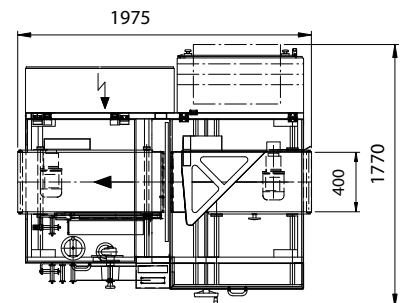
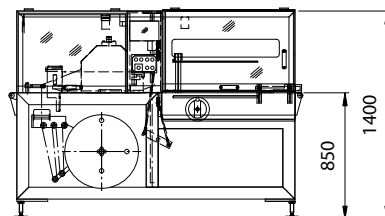
Integrated modem (Europe / world)

Ethernet-Interface (hardware), e.g. for connection to production server

Electromotorical format change-over (width and height) data according to product data memory

### Machine dimensions (approx. in mm):

(This drawing may show options which are not included in the basic machine version and are available against up-charge only.)



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