



Fully-automatic side sealer

UNIVERSA 500

One for all occasions

The fully automatic side sealer Universa 500 is the answer to (almost) all packaging requirements. Its name reveals the concept and target of this universal film packaging machine. The **servo-controlled** seal bar is electromechanically driven (without mechanical brake) and guarantees an extremely smooth and low-wear packaging process. The seal bar pressure can be accurately adjusted.

Siemens S7 with encoder control avoids the complicated fine tuning of timers with different product sizes or speeds. Manufacturing plants with wide product ranges or contract packers benefit from this efficient production flow. A further advantage for all operators: the length of the bags remains strictly within minimum tolerance. One bag is as long as the other and a high standard of quality is constantly maintained.

A wide range of options is available with the UNIVERSA 500, so it can be configured for many special applications. The optional modem and Ethernet connection make the UNIVERSA 500 the perfect component for fully automatic packaging lines, including with main server.



Facts, data, figures

Technical Data

Length of cross seal bar:	500 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 TP277
Sealing system:	servo-controlled seal bar, 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 (European Patent 1364769, German Part P 41703 EP/DE)

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

Wheel/knife –combination (European Patent 1364769, German Part P 41703 EP/DE) with separate cold-knife

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

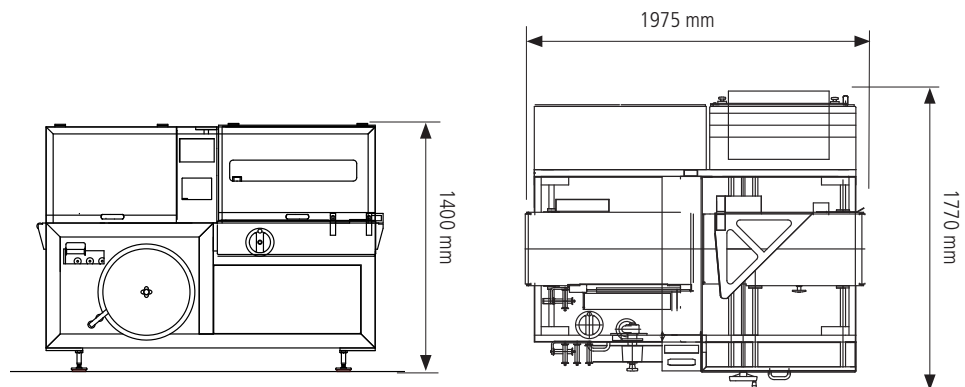
Integrated modem (Europe / world)

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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