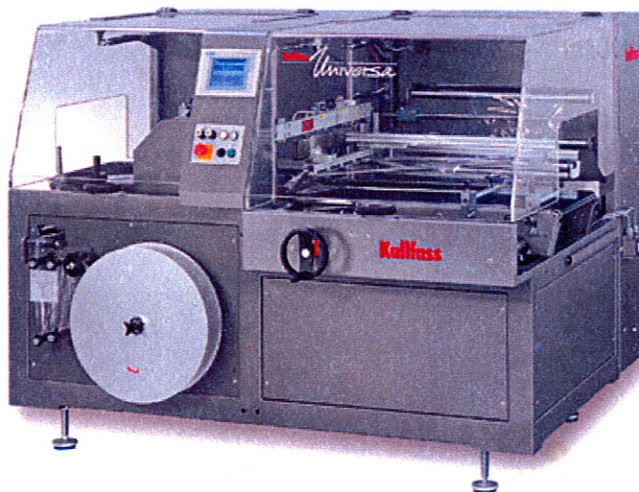


**Universa 400**  
**Fully Automatic Side Sealer**



Innovative technology makes the **UNIVERSA 400** fast and versatile to deliver a smooth and precise packaging process with speeds up to 70 packs per minute.

The wheel/knife side seal combination enables the UNIVERSA to produce clean and secure longitudinal seams. The knife removes excess film by cutting within the sealed strip that has been created by the sealing wheel. The system is particularly effective when packaging tall products and when sealing multi-layer, cross-linked co-polymer films at high speeds.

The machine is controlled by a SIEMENS S7 industrial PLC. The transport of each product through the machine is continuously controlled by an electronic supervisor. The supervisor detects the actual position of each pack and optimizes the machine cycle for every individual pack. This makes product or speed changes simple, quick, and extremely precise.

Film guides, side seal and cross seal can be adjusted with a single hand wheel. An optional Ethernet interface allows the integration of a UNIVERSA into modern, fully automated production lines and the linking of the machine to a production control computer. The Universa 400 is operated with a multilingual, colored Touch panel, SIEMENS TP 270. The standard integrated Product Data Memory can save up to 250 different products which can be recalled exactly at any time.

| <b>Specifications</b>  |   |
|--|---|
| <b>Width of cross seal bar:</b>  | 18"   |
| <b>Maximum production speed<br/>(depends on product and film used):</b>                  | Up to 70 packs per minute                             |
| <b>Minimum product length / minimum product width:</b>                                   | 3" / 1"   |
| <b>Maximum product height:</b>   | 8"  |
| <b>Working height, adjustable:</b>   | 30" - 36"   |
| <b>Conveyor speed:</b>   | Variable up to 115" per minute with soft start & stop |
| <b>Infeed conveyor can be pulled out for<br/>better access during threading of film:</b> | Standard  |
| <b>Center folded film:</b>   | 45 gauge - 3 mil polyolefin, polyethylene or PVC      |
| <b>Film width:</b>   | Up to 24"   |

|   |   |
|---|---|
| <b>Outside diameter of film roll:</b>               | Up to 16"   |
| <b>Film cradle close to floor for easy loading:</b> | Standard  |
| <b>Industrial PLC:</b>                              | SIEMENS S7 with 250 product data memory   |
| <b>Operator guidance and error diagnostic:</b>      | Color Touch panel SIEMENS TP 270  |
| <b>Side seal:</b>                                   | Wheel/knife combination (patent pending - 10224360.3)   |
| <b>Sealing system:</b>                              | Continuously heated cross seal bar with exchangeable sealing ledge, maintenance free, odor free, temperature monitoring and control by PLC. |
| <b>PLC:</b>   | Standard  |
| <b>Power supply:</b>                                | 208 - 480 volt, 60 Hz, 3-phase, with ground   |
| <b>Rated power / rated current (at 400 v):</b>      | 3.5 kVA / 5.1 amps  |
| <b>Color:</b>                                       | Kallfass Anthracite gray  |

### Options

- Long package kit with speeds up to 164' per minute
- Motorized pre-setting, width and height, settings are recalled from Product Data Memory
- Closing conveyor
- Tear Strip - for ease of opening packages
- Print registration for printed films
- Modem for remote diagnostics; Ethernet interface (hardware) for connection to production control computer
- Casters for easy portability (different working height)
- Electro-mechanical hole punch system for controlled venting of air
- Left hand version (Note operator side of shrink tunnel)
- Stainless steel version
- Integration of infeed systems (e.g. MGZ 400 or belt conveyor) into PLC and data memory

**DOES NOT REQUIRE COMPRESSED AIR**

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