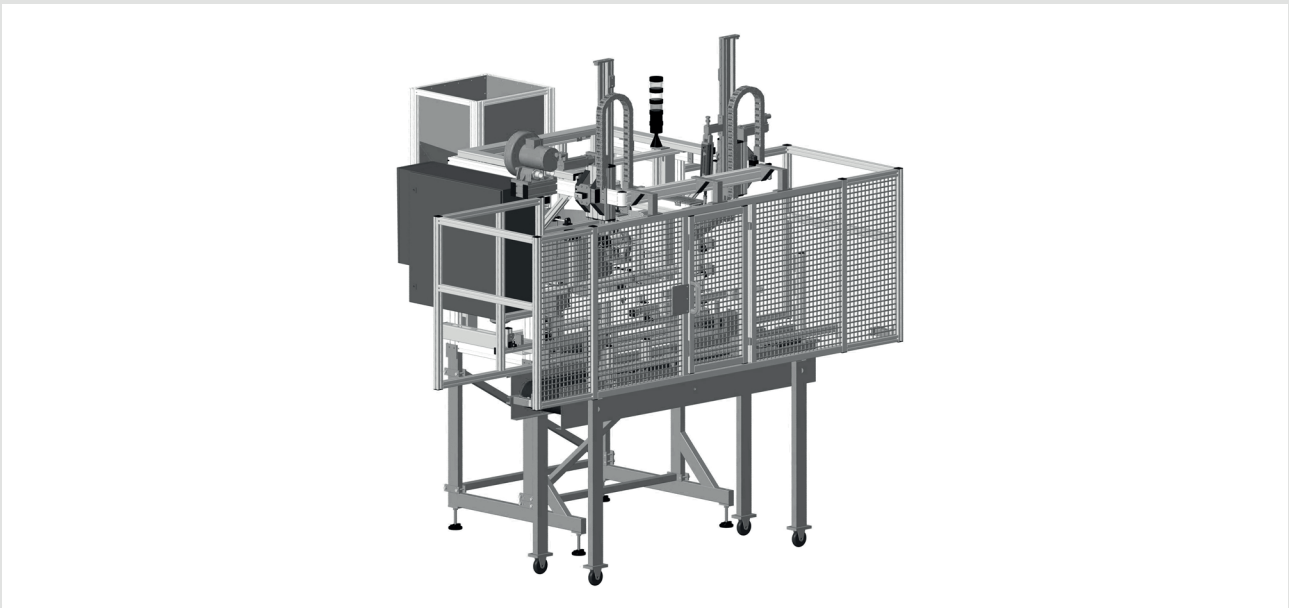


SHRINK FIT MACHINE AS500



BRIEF DESCRIPTION

The AS500 compact cap applicator and shrinker integrates functions of applying and shrinking SIGL shrink caps in one machine and in very confined spaces. During this process, caps are first conveyed from the storage bunker to the sorting drum. An oscillating vibrator moves caps to the correct position on the feed rail with electronic number monitoring. As barrels or kegs pass through, caps are automatically removed from the rail and placed onto the fitting. Barrels are then moved to the shrink station and centred there. The shrink head with automatic height detection shrinks the SIGL shrink cap around the fitting in a time regulated and temperature-controlled process, thus ensuring original tamper-proof closure of barrels and kegs. The AS500 cap applicator and shrinker is designed for mixed operation and adapts to the respective barrel or keg size.

TECHNICAL INFORMATION

KEG PROCESSING & PERFORMANCE

- Cap type: Shrink caps
- Fitting type: M-Type, A-Type, G-Type, D-Type, S-Type
- max. capacity: 600 kegs/hour
- Kegs: Manufacturing tolerances are covered, slim kegs are possible
- Keg conveyor belt speed: max. 12 m/min
- Centric feeding of barrels and kegs is ensured by the operator
- Automatic keg height adjustment and fine adjustment of cap positioning head by means of servo motors, from the company SEW and rack and pinion drive
- Keg stop via pneumatic cylinder for centring the positioning unit in the shrink unit
- Electric air heater for double shrinking nozzle
- Air heater: Manufacturer LEISTER - 2 x 3.0 kW - power consumption/duty 60-70%

STORAGE BUNKER & SORTING DRUM

- made of VA sheet metal for KEG protective caps
- max. capacity: 1,000 caps (depending on cap type)
- Storage hopper with integrated vibrating feeder
- Sorting drum with electrical-optical position detection of caps and fan blower device into the conveyor shaft
- Sorting drum drive: Manufacturer SEW - 0.18 kW
- Pneumatic conveyor shaft to the applicator rail

CONTROL & CONNECTION

- Control via PLC: Manufacturer SIEMENS S7-1500
- Display of operating status of the unit via an indicator light / acoustic signal
- Control cabinet: Manufacturer RITTAL, V2A housing, Electric connection load - 6.0 kW, voltage 415 Volts - power consumption/duty 40-50 %
- Air consumption: approx. 150 l/min (depending on load)

SECURITY

- Structure according to Performance Level C (extension to PL D possible)
- Safety grille beneath the applicator to prevent obstruction, obstruction or intervention
- Safety grille at the keg inlet (adapted to the largest possible keg size)
- Confirmation switch on the access doors

HOUSING & MASS

- Frame components made of anodised aluminium profile
- Height-adjustable calotte feet
- Substructure for belt height (minimum floor-belt height 615 mm) made of V2A rectangular tubing with adjustable calotte feet
- Adjustable position of keg conveyor (running to the left or to the right)