



900

High Speed Fully Automatic
Tray Sealing Machine

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The D2 900 is a high speed, fully automatic in-line film and dome heat sealing machine designed for both standard heat seal and MAP requirements.

The pusher bar conveyor system simplifies production lines by removing the need for complex tray collators. Therefore reducing initial costs and also minimising the need for ongoing maintenance without compromising any output capabilities.

Available as a standalone machine or as part of a complete line with the option to integrate tray denesters, depositors, volumetric fillers and other online equipment all within the PLC control.

Our tooling is strong, durable and is designed with efficiency of performance in mind with the MAP versions able to achieve consistent oxygen residuals of less than 1% if required.

With various formats available, the D2 900 can be specified with a single head arrangement through to eight head tools that can deliver outputs of up to 100 packs per minute dependent on the tray size.





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Standard Design Features

- No tray - no seal facility
- 1700 mm Tray loading conveyor
- Driven out feed conveyor
- Automatically driven film feed and waste rewind
- Profile film cutting
- Quick Film changeover
- HMI touch screen control with multi program recipe
- Five minute tool change over
- Long life and efficient cast heating elements
- Very easy to clean
- Maintenance friendly design
- UK standard safety guarding & controls
- Perspex guarding for full vision
- Vacuum and gas sensor (MAP version)

Optional Features

- Printed film equipment
- Tray denester
- Extended in feed conveyor
- Single lane converging systems
- MAP for extending shelf life
- Stainless steel guarding
- Existing line integration systems
- Servo control of in feed, for liquid products
- Multi head configuration for higher outputs
- Integrated vacuum pump
- Larger vacuums pumps for higher outputs
- High oxygen vacuum pumps
- Gas buffer tanks for central gas systems
- Skin packaging
- Foil lid crimping

Technical Specifications

- Weight - 950 Kg
 - Electrical Supply - 415v, 3 Phase
 - Compressed Air - 6 Bar, 29 ltrs / Min
- Cycles Per Minute
 Plastic: Heat Seal 12 - 15 MAP 6 - 9
 Foil: Heat Seal 10 - 13 MAP 5 - 7

Materials

The Smoothseal 900 will heat seal and profile cut film lids onto Aluminium Foil, Cpet, Rpet, PP, Board and many other container types

Sealing Capacity

No Of Lanes	Length (mm)	Width (mm)	Depth (mm)
One	440	275	120
Two	200	275	120
Three	140	275	120
Four	90	275	120

Typical Machine Dimensions (mm)

