

ONYX

HEAVY DUTY IMPULSE SEALER

IP65 VERSION



**PNEUMATICALLY OPERATED
OVERHEAD
HEAT SEALING MACHINE**

ONYX EVO IP65 VERSION OF HEAVY DUTY OVERHEAD BAG SEALER

The IP65 ONYX model is an air operated overhead impulse sealer manufactured in stainless steel. Produced to a higher specification than our standard ONYX, housing all electrical controls and main electrical circuits within a sealed control box. This enable the sealer to be used in dusty, wet or harsh environments up to IP65 ingress rating. Pneumatic operation, provides a positive action to both the opening and closing of the sealing jaws and allows high pressure to be exerted on the area of seal.

The ONYX is classed as a heavy-duty sealer, with its robust construction, air operation and heated on both sealing jaw faces, gives it the ability to seal through folds and gussets.

ONYX is suitable for sealing bags/sacks made from polythene, co-extruded plastics and laminate films and can achieve the highest quality of seal (even through light contamination),

Sealing is initiated when the jaws are closed on the film, operation is actuated by an IP67 rated low voltage electrical foot switch (should water be present on the floor).

The sealing cycle is controlled by a two stage electronic timer, with adjustable control over both the heating and cooling times. This ensures repeatable seals to suit the bag thickness and environment conditions. The timer control releases the jaws automatically at the end of the seal cycle.

Safety, the ONYX sealing jaws operate from cold and close on a separate low pressure pneumatic circuit. Only when closed does the high pressure and heating circuit engage.

To cater for various bags sizes / volumes, the working height of the sealing head can be manually adjusted via a simple hand clamp on the sealing head support column. For finer adjustment or when smaller packs are to be sealed, a **Bag Support Tray option** (to support up to 25Kg) is available (see front image), this allows the bag standing height to be manually raised clear of the floor and make the working height comfortable for the operative. This also provides secondary height adjustment.

The machine is supplied as standard mounted on braked wheels for manoeuvrability, with the option of self-levelling feet.

The IP65 ONYX is available in two standard sealing jaw widths, either 700mm or 900mm.

The standard finish is 304 stainless steel.

NOTE: For critical or difficult applications (e.g. precise repeatability is essential, heavy side gusseted films, a varying ambient etc), the ONYX can be specified with a processor controller, this provides much greater control over the sealing process, as a precise sealing temperature as well as precise heat and dwell time can now be set and maintained. Refer to the ONYX PRO model.

FEATURES

Safety-Sealing jaws close by a low-pressure air circuit,
Soft Jaw Closing.
Semi-automatic.
Spring tensioned long life heating elements.
Height adjustable sealing head.
Easy to use.
Braked wheels

OPTIONS

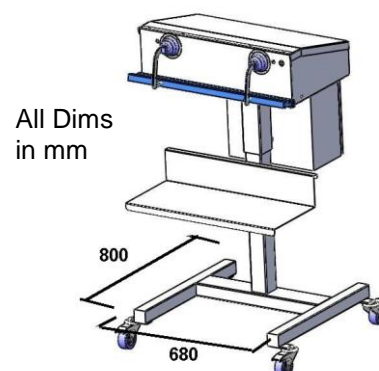
Bag Support Tray (see front image photo). Suitable for 25Kg bag /sack and is height adjustable.
Gravity Roller Track, assists the operative in presenting a regular supply of heavy bags to the sealer.
* Motorised belt conveyor with stop/start operation via a foot switch. assists the operative in presenting a regular supply of heavy bags to the sealer.
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EXAMPLE
Height adjustable gravity roller track system, integrally mounted, available in a range of lengths.

TECHNICAL SPECIFICATION

ONYX MODEL IP65 Version	700	900
SEAL TO FLOORHEIGHT	Min 950mm Max 1150mm	
SEAL LENGTH mm	700mm	900mm
SEAL WIDTH	6mm	
JAW OPENING GAP	55mm	
SEALABLE THICKNESS	Max. 2 x 250µm (2x1000g)	
JAW ACTUATION	Pneumatic	
SEALING TIME	0 - 10 seconds	
POWER SUPPLY	230 volts 50/60Hz	
AIR PRESSURE	Up to 5 Bar	
AIR CONSUMPTION	0.23 dm ³ /seconds (0.5 c.f.m)	
POWER VA (Watts)	600	750



All Dims
in mm