

ONYX

HEAVY DUTY IMPULSE SEALER

IP65 VERSION



**PNEUMATICALLY OPERATED
OVERHEAD
HEAT SEALING MACHINE**

ONYX IP65 VERSION OF HEAVY DUTY OVERHEAD BAG SEALER

ONYX IP65, a semi-auto heavy duty air operated overhead impulse sealing machine, manufactured to an IP65 classification rating and constructed in stainless steel. Designed and engineered to a higher specification than our standard ONYX, housing all electrical & pneumatic controls and main electrical circuits within a sealed box, enabling the machine to be used in dusty, wet or harsh environments up to IP65 rating.

With its robust construction, available seal pressure and having both sealing jaw faces heated, giving the ONYX the ability to seal through multi layers, folds and gussets. The pneumatic operation also provides a positive action, in the opening and closing of the sealing jaws.

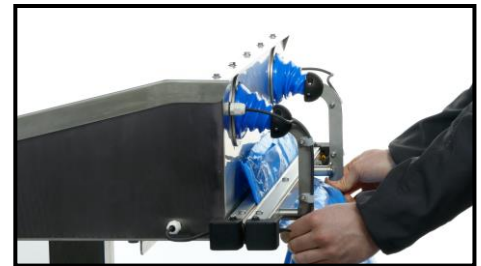
ONYX is suitable for sealing bags/sacks made from polythene, co-extruded plastics and plastic laminated films and can achieve the highest quality of seal (even through light contamination). The machine also features moulded protective (dust) covers fitted to the end connections to the sealing jaws.

Sealing is initiated when the jaws are closed on the film, operation is actuated by an IP67 rated low voltage foot switch (should water be present on the floor). A two stage adjustable electronic timer sets the appropriate heating and cool/dwell for the application. Jaws automatically release at the end of the seal cycle.

Safety, the ONYX impulse sealing jaws operate from cold, two safety circuits are built into this machine, firstly, the air circuit incorporates a low pressure air safety system, this minimises the risk of accidental injury to the operator whilst the jaws are closing. Only when fully closed, is the heating circuit and high pressure air activated to produce a strong and durable seal. Secondly, an electrical circuit automatically opens the jaws if a pre-set closing time is exceeded, even if the footswitch is still depressed, it is assumed that an object being packed or operator's fingers may still be between the sealing jaws.

To cater for various bags sizes / volumes etc, the working height of the sealing head can be manually adjusted via a simple hand clamp located on the sealing head support column. For finer adjustment or when smaller packs are to be sealed, an **optional Bag Support Tray** (to support up to 25Kg) is available (see front image), this allows the bag standing height to be manually raised clear of the floor, to enable the working height to be set at a comfortable level for the operative, it also provides secondary height adjustment. The machine is supplied as standard mounted on braked wheels for manoeuvrability, with the option of self-levelling feet. This machine 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 or where precise repeatability results are required within controlled parameters, Astrapac offer ONYX PRO model. This sealer incorporates a more advanced controller which allows a precise sealing temperature to be set alongside accurate heat and dwell times.



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

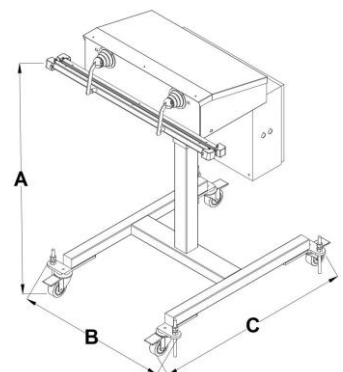
Bag Support Tray (see front image photo). Suitable for 25Kg bag /sack and is height adjustable.
Gravity Roller Track, assists the operative in presenting a regular supply of heavy bags to the sealer.
Motorised belt conveyor with stop/start operation via a foot switch. assists the operative in presenting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



EXAMPLE
Height adjustable gravity roller track system, integrally mounted, available in a range of lengths.

TECHNICAL SPECIFICATION

ONYX MODEL IP65 Version	700	900
Seal Length mm	700mm	900mm
Seal Width	6mm	
Seal To Floor Height Max-Min (A)	126-96 cms	
Width of base frame (B)	76 cms	
Width of base frame (C)	95 cms	
Jaw Opening Gap	50 mm	
Sealable Thickness	Max. 2 x 250mu (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



astrapac
HEAT SEALING MACHINERY