

astrapac
HEAT SEALING MACHINERY

ONYX

HEAVY DUTY



**SEMI-AUTOMATIC
AIR-OPERATED
OVERHEAD IMPULSE SEALER**

ONYX HEAVY DUTY OVERHEAD BAG SEALER

The Astrapac ONYX is a powerful air operated heavy duty overhead Impulse sealer, designed as a stand alone machine with semi-automatic operation. Suitable for continuous use and built to an industrial specification with an IP54 classification. ONYX is capable of sealing bags/sacks made from polythene, co-extruded plastics and plastic laminate films.

ONYX is manufactured with both sealing jaw faces heated, coupled with its pneumatic operation, allows both heat and high pressure to be exerted on the area of seal, giving it the ability to produce high quality seals through multi layers, folds and gussets, (even through some degree of product contamination). A wider jaw opening and the feature of a positive action to both the closing and opening of the sealing jaws (no spring return) is another benefit of an air operated sealer. 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.

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.

Operation of the machine is simple, sealing is initiated when the jaws are fully closed on the film, actuated by an IP65 rated low voltage foot switch, to ensure safety in damp or dusty conditions.

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 vertical column. For finer adjustment or when smaller packs are to be sealed, an **optional Bag Support Tray /Platform** (suitable for up to 25Kg) is available (see front image), this allows the bag standing height to be manually raised, 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 lengths, either 700mm or 900mm. The standard finish is powder coated white.



NOTE: A full IP65 version of the ONYX is available for wet or an aggressive environments, manufactured in Stainless steel (see inset picture and separate brochure).

For critical or difficult applications where precise repeatability results are essential, set within controlled parameters. refer to our ONYX PRO model. This incorporates a more advanced controller to now provide, precise control of sealing temperature as well as very accurate heat and dwell time.

FEATURES

- Safety-Sealing jaws close by a low-pressure air circuit,
- Soft Jaw Closing.
- Wide Jaw opening
- Semi-automatic.
- Spring tensioned long life heating elements.
- Height adjustable sealing head.
- 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
Gravity roller and motorised conveyor belt conveyor designed to suit application.

TECHNICAL SPECIFICATION

Onyx Model	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	
Depth of base frame (C)	73 cms	
Jaw Opening Gap	55mm	
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

