

SAPPHIRE EVO

OVERHEAD SOLENOID OPERATED



**SEMI-AUTOMATIC
IMPULSE HEAT SEALING
MACHINE**

SAPPHIRE EVO OVERHEAD IMPULSE SEALER

The Astrapac SAPPHIRE is a semi-automatic solenoid operated model of heavy duty overhead Impulse sealer. Built to an industrial specification to an IP54 classification, makes it suitable for use in relatively harsh environments. SAPPHIRE is designed for sealing single web plastics, polythene's, co-extruded and plastic laminate films. Manufactured with both sealing jaws heated, provides considerable power to overcome mild product contamination, gusseted or thicker films etc (application dependant).

A two-stage adjustable electronic timer controls the sealing cycle, allowing the appropriate heating and cool/dwell times to be set. Jaws automatically release at the end of the seal cycle.

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

To cater for a variety of bag sizes / volumes etc, the sealers vertical column has a manual rise and fall adjustment facility to alter its working height.

To offer greater flexibility, a height adjustable **Bag Support / Platform** (suitable for bags up to 25Kg) is offered as an optional extra. 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 a secondary height adjustment, relevant to smaller pack sizes.

The machine is supplied on a sturdy base section mounted on braked wheels for manoeuvrability. The option to have self levelling feet is available on request.

SAPPHIRE is available in two sizes, set by length of sealing jaw, either 700mm or 900mm.

The machine is supplied in a powder coated white finish.



NOTE: A full IP65 version of the SAPPHIRE is available for wet or an aggressive environment, produced in stainless steel (see inset picture below and separate brochure).

For critical applications where precise repeatability results are essential, set within controlled parameters. refer to our ONYX PRO model.

FEATURES

Safety-should the jaws make contact with an object or operators hands whilst closing, the electronic circuit senses this and releases the jaws immediately to avoid operator injury or damage to the product.

Dust covers fitted to the ends of the sealing jaws, stops ingress and protect electrical connection terminals.

Spring tensioned long life heating elements.

Height adjustable.

Mounted on braked wheels for manoeuvrability,

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 regular supply of heavy bag to the sealer.



EXAMPLE Gravity roller and motorised conveyor belt conveyor designed to suit application.

TECHNICAL SPECIFICATION

SAPPHIRE 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 mm	50mm	
Sealable Thickness	Max. 2 x 250mu (2x1000g)	
Sealing Time	0 - 10 seconds	
Jaw Actuation	Electrical Twin Solenoids	
Power Supply	230 volts 50/60Hz	
Power Va (Watts)	600	750
Sealer Weight	54 Kg	
Product Support Tray (Optional)	7 Kg	

