

STAR

Star Universal (Gosport) Ltd

Unit 2, Clarence Wharf, Mumby Road, Gosport, Hampshire,
United Kingdom, PO12 1AJ

Tel: + 44 (0) 23 9258 2857 Fax: + 44 (0) 23 9251 1731

Email: sales@staruniversal.com

Web: www.staruniversal.com

STAR 106

The Star 106 is a bench mounted or free standing probe type vacuum sealer. With both jaws heated it can seal most modern barrier materials such as foils and nylon laminates up to 900mm in width. Manual vacuum clamp jaws are available with either solenoid or pneumatic sealing jaw operation. A range of vacuum pumps is available between 6 and 15m³/h. The vacuum cycle is manually timed or can have a vacuum level sensor. As the product is not placed inside a chamber there is no limit to the maximum product length. The machine can be finished in either powder coated mild steel or stainless steel for more corrosive environments. Options include a support tray and gas flush.



The Star 106 is available with four different seal cycle controllers:

The MkVI offers weld and cool control to the nearest 1/10th of a second and has a built in program to help counteract the effects of heat build-up during rapid cycling. The innovative MkVI C has weld and cool control to the nearest °C. Adjustment is made by the keypad with an LCD readout of the settings. The keys can also be locked to prevent unauthorised alteration.

If more accurate controls are required, the Star ARTICS and Medical controllers also allow the element to ramp up to a weld temperature and be held for a time. Cooling time or temperature and element preheat are also included. This allows for a perfect weld to be achieved every cycle. All settings are password protected and the board allows up to 8 different sets of parameters to be programmed. Alarm parameters can be set to give operational tolerances; seal cycle data storage is available with a Medical controller.

Heat Sealing Solutions

Star Universal has been manufacturing heavy duty and specialist heat sealing machines since 1967. Our continued efforts in product development have placed us at the forefront of heat sealing technology.

Our machines vary from standard bag sealers to bespoke equipment producing shaped welds on a variety of different plastic and laminated materials.

We supply equipment to a full cross section of businesses, including international blue chip companies, local and national government departments as well as smaller enterprises.

Our commitment to building a quality product ensures the best results from our machines, with a minimum of maintenance for years to come.

SPECIAL APPLICATIONS

As all our Star 106 machines are built in house from sheet metal we can incorporate specific design requirements and modifications for various applications. Some of these include manual or pneumatic presses to remove most of the excess air from a pack before vacuuming, twin vacuum probes for faster vacuum times, product formers and product support trays. Below are just a few of the examples of custom built machines we have produced for customers in the past. If you have an unusual application for any sort of sealing please contact our sales team.



Free standing Machine with Forming Trolley to Produce a 'Brick' Like Pack for Granulated Products



Multiple Probe Machine to Vacuum Seal Four Ready Meals in Doy Bags per Cycle



Solenoid Machine with Pneumatic Probe for Faster Vacuum Cycle and Extended Probe Inside Bag



Vertical Gantry Vacuum Sealer with Automatic Timed Vacuum and Gas Flush Cycles



Star 106 Vacuum Sealer with Optional Product Support Tray

TECHNICAL SPECIFICATION

Seal Length	500mm	600mm	750mm	900mm
Seal Width	6mm standard. 2.5mm, 9mm, 12.5mm and 20mm options			
Jaw Opening	Solenoid approx. 30mm, Pneumatic approx. 45mm			
Max Material Thickness	1000µm approx (4000g)			
Sealing Cycle Time	Typically 4-10s			
Vacuum Cycle Time	Typically 2-20s dependent on size of pack and vacuum level required			
Power Supply	230V 50/60Hz Single Phase, 115V Optional			
Average Power Consumption / Cycle	0.02kWh			
Average Power	Vacuum 160W, Weld 1730W, Cool 250W, Standby 25W			
Air Supply Pneumatic Machines Only	6-8 bar Clean Dry Air			
Air Consumption / Cycle	0.525-2.150NI at 6 bar			
Jaw Length	565mm	665mm	815mm	965mm
Machine Body Length	500mm	500mm	500mm	500mm
Medical Machine Body Length	790mm	890mm	1040mm	1190mm
ARTICS Controller Housing	160mm l x 245mm d x 205mm h on right hand end of machine			
Depth	Solenoid 415mm, Pneumatic 667mm			
Overall Height	Solenoid 430mm, Pneumatic 340mm			
Weight Solenoid Machine	40kg	42kg	44kg	47kg
Weight Pneumatic Machine	47kg	51kg	55kg	59kg

All the above weights and dimensions are approximate and based on the standard machine E&OE. Star Universal reserve the right to change the above specifications without prior notice.