

# STAR

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## STAR 96

The Star 96 is a bench mounted or freestanding industrial bag sealer for most applications. Available with either one or both jaws heated it can seal most modern plastic, biodegradable, foil, paper and laminate packaging materials up to 1200mm in width. Solenoid operated automatic jaws allow operators the ability to prepare the next product during the sealing cycle. If greater weld pressure is required pneumatic jaws operation is available. The machine can be finished in either powder coated mild steel or stainless steel up to IP44 for more corrosive environments. Options include a product support tray and bag top cutters.



### The Star 96 is available with four different seal cycle controllers:

The MkVI offers weld and cool control to the nearest 1/10<sup>th</sup> of a second and has a built in program to help counteract the effects of heat build-up during rapid cycling. The MkVI C has weld and cool control to the nearest degree 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 the 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 96 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 sealing, roll holders with no back bars with manual or automatic film feed for making bags out of tubing, special jigs behind the sealing jaws for sealing weights and hangers in blinds and rigid handles onto carrier bags. 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.



Louver Blind Hanger and Weight Sealer



Pneumatic Press to expel Excess Air from the bag before sealing



Solenoid Operated Machine with the Star ARTICS Controller



Stainless Steel machine with twin push button start



Automatic Bag Maker and Stand to make bags from tubing

## TECHNICAL SPECIFICATION

Seal Length	400mm	600mm	750mm	900mm	1050mm	1200mm
Seal Width	6mm Standard. 2.5mm, 9mm, 12.5mm and 20mm options					
Cut Length Manual or Automatic	300mm	500mm	650mm	800mm	950mm	1100mm
Jaw Opening	Solenoid approx 30mm, Pneumatic approx 45mm					
Max Material Thickness	1000µm approx (4000g)					
Sealing Cycle Time	Typically 4-10s					
Power Supply	230V 50/60Hz Single Phase, 115V Optional					
Average Power Consumption / Cycle	0.01kWh					
Average Power	Weld 1730W, Cool 250W, Standby 25W					
Air Supply Pneumatic Machines Only	6-8 bar Clean Dry Air					
Air Consumption / Cycle	0.525 NI at 6 bar					
Overall Length	465mm	665mm	815mm	965mm	1115mm	1265mm
Machine Body Length	400mm	600mm	750mm	900mm	1050mm	1200mm
ARTICS Controller Housing	160mm l x 245mm d x 205mm h on right hand end of machine					
Depth	355mm					
Overall Height	Solenoid 320mm, Pneumatic 335mm					
Weight Solenoid Machine	30kg	32kg	34kg	37kg	39kg	41kg
Weight Pneumatic Machine	27kg	29kg	31kg	34kg	36kg	39kg

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.