

# STAR

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## STAR 66

The Star 66 is a free-standing industrial bag sealer for the bagging of products best sealed whilst standing upright, e.g. aggregates, powders, prepared food and liquids. 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 jaw operation is available. The machine can be finished in either powder coated mild steel or stainless steel up to IP67 for more corrosive environments. A range of stand options are available.



### The Star 66 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 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 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 66 machines are built in house from sheet metal we can incorporate specific design requirements and modifications for various applications. Some of these include gravity roller conveyors for ease of product handling, parallel welds for extra security, separate control boxes for extremely aggressive environments. 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.



Sealer with Filling Chute and Roller Conveyor for Prepared Foods



Automatically Retracting Sealer for use above a Gantry Platform



Sealing Head on modified stand for sealing cosmetics tubes



Constant Heat Machine with Cooling Clamp Station



Sealing head over roller conveyor with weighing station

## TECHNICAL SPECIFICATION

Seal Length	650mm	900mm	1200mm
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		
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	Solenoid 660mm, Pneumatic 750mm		
Machine Body Width	405mm	405 or 600mm	600mm
Overall Jaw Width	715mm	965mm	1265mm
Body Height	200mm		
Jaw Height	Tripod Stand 760-1000mm, Bag Support Stand 965mm		
Bag Support Platform Adjustment	160-650mm Below Sealing Jaws		
Weight Solenoid Machine	30kg	32kg	34kg
Weight Pneumatic Machine	27kg	29kg	31kg
Stand Weight	10-25kg		

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.