

STAR

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STAR GANTRY

The Star Gantry sealer is a bench mounted or free standing industrial bag sealer for producing long straight welds. Available with either one of both jaws heated it can seal most modern plastic, biodegradable, foil paper and laminate packaging materials up to 3000mm in width. Pneumatically operated automatic jaws allow operators the ability to prepare the next product during the sealing cycle. The machine is constructed from anodised aluminium profile to give rigidity whilst keeping the weight down.



The Star Gantry 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 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 Gantry sealers are built to customer requirements and specification the range of options are vast and diverse. Some of the more commonly fitted options include work tables in front of the sealing jaws, automatic flying knife cutter behind the jaws and roll carriers for producing large bags from tubing or centre folded materials. 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.



Gantry Sealer Fitted with a Reel Carrier and Measuring Device for making Pallet Hoods



Gantry Sealer with a Large Work Table for Preparing Composite Materials for Autoclaving



Horizontal Gantry Vacuum Sealer for Sealing Frozen Foods into Bags in Pallet Box for Bulk Shipping

TECHNICAL SPECIFICATION

Seal Length	300mm - 3000mm
Seal Width	5.5mm standard
Cut Length Automatic Cutter	300mm - 3000mm
Jaw Opening	Standard 50mm, Up to 1000mm Available
Max Material Thickness	1000µm approx (4000g)
Sealing Cycle Time	Typically 6 - 40s
Power Supply	230V 50/60Hz Single Phase, 115V Optional
Average Power Consumption / Cycle	0.02 - 0.04kWh
Average Power	Weld 2000W, Cool 250W, Standby 25W
Air Supply Pneumatic Machines Only	6 - 8 bar Clean Dry Air
Air Consumption / Cycle	0.525NI - 3.5NI at 6 bar
Overall Length	Weld length + 290mm or 380mm + Controller
Controller Housing	500mm x 400mm x 200mm
Depth	Standard 300mm Bench Mounted, 800mm Free Standing
Overall Height	Standard 620mm Bench Mounted, 1620mm Free Standing

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.