

STAR

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STAR 56

The Star 56 is a power pack designed to be connected to our range of handsets or sealing jaws. The power pack can be finished in powder coated mild steel or stainless steel, up to IP65 protection. It can control just a weld and cool cycle or have pneumatic outputs for controlling air cylinders on automated systems. There are 6 main handset designs, the hand portable Star 51, Star 51LW, Star 51CT and Star 111 units along with the Star 121 and Star Nuclear sealing heads. The unit can also be supplied with just sealing jaws for retro fitting into parent machines. The sealing heads are available with a number of element options including single heat, double heat and seal/cut/seal.



The Star 56 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 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 along with many 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.

As all our Star 56 machines are built in house we can incorporate specific design requirements and modifications for various applications as well as the various handsets. These have included adjustable frames for sealing toxic/hazardous waste inside a glove box, special handsets for producing shaped welds round valves and eyelets and film splicing units for changing rolls on high speed automatic machinery. The Star 121 sealing head has been mounted on a portable trolley for sealing foil liners in barrels once filled.

HANDSETS

	<p>STAR 51 HANDSET</p> <p>150mm—900mm weld Double heat jaws for foils and valve sacks 3m lead to power pack Latch to hold jaws closed Push button to start weld</p>		<p>STAR 51LW HANDSET</p> <p>150mm—450mm weld Light weight cast aluminium ergonomic handle 3m lead to power pack Non latching jaws Weld starts when jaws close</p>
<p>STAR 51CT HANDSET</p> <p>200mm and 300mm weld 12mm seal/cut/seal for dangerous/toxic items 3m lead to power pack Weld indicator on handset Light weight aluminium</p>		<p>STAR 111 HANDSET</p> <p>300mm—600mm weld Push button to start weld 3m lead to power pack For sealing bags in boxes or poly tunnel hoop guides</p>	

SEALING HEADS

	<p>STAR 121 SEALING HEAD</p> <p>400mm—700mm seal only or seal/cut/seal For sealing long items like pipes and core samples Automatic or push button weld start</p>		<p>STAR NUCLEAR SEALING HEAD</p> <p>600mm and 1200mm weld 20mm seal/cut/seal for dangerous/toxic items 3m lead to power pack Lift out top jaw to allow large and bulky items to be sealed</p>
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Power Pack Dimensions	300x400x150mm, IP65 400x300x200mm or 500x400x200mm
Power Pack Weight	14-30kg
Power Supply	230V 50/60Hz Single Phase, Max 2.3kW
Air Supply Pneumatic Machine Only	6-8 bar Clean Dry Air
Star 51 Handset Range	150-900mm Weld Length, 5-8kg
Star 51LW Handset Range	150-450mm Weld Length, 2-4kg
Star 51CT Handset Range	200 or 300mm Weld Length, 1.5-2kg
Star 111 Handset Range	150-500mm Weld Length, 2.5-4kg
Star 121 Sealer Range	400-700mm Weld Length, 10-15kg
Star 121GB Sealer Range	200-500mm Weld Length, 7-12kg
Star Nuclear Sealer Range	600-1200mm Weld Length, 12-20kg