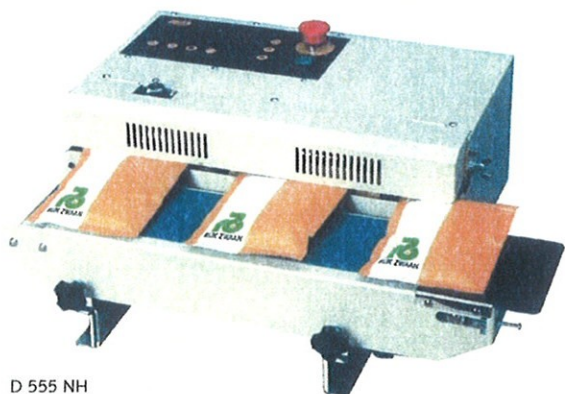


## D 555 Compact Belt Sealers

### D 555 NH

The D 555 NH is Audion's most compact belt sealer. On this clever table model pre-made bags are sealed lying flat. Temperature, speed, ventilation through a special fan are all set with the very easy to operate digital panel (see picture). By using PTFE (Teflon®) belts, Polyethylene, Polypropylene, Cellophane, Paper-, Aluminium- and other laminates can be sealed. The integrated conveyor belt, which is 112 mm. wide and 590 mm. long, can be adjusted in height as well as backwards and forwards (see pictures). This enables you to seal products with various bag widths and lengths. The distance from the back plate to the seal position is 35 mm. The highest operating temperature is 300°C.



D 555 NH

### D 555 NVT

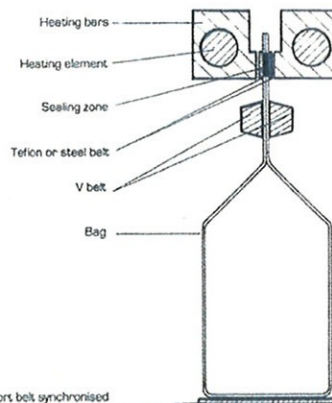
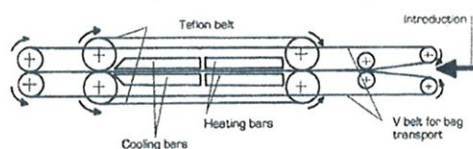
The D 555 NVT is the smallest vertical belt sealer. pre-made bags are sealed standing. Ideal for liquid or solid products that would drain from the package when sealed laying flat. Adjustable supports on the belt guide the package during the sealing process. The sealing unit can be adjusted in height to suit different sizes of packages. The D 555 NVT is equipped with the same easy to operate digital panel and PTFE (Teflon®) belts as the horizontal sealing D 555 NH (see above) As such, Polyethylene, Polypropylene, Cellophane, Paper-, Aluminium- and other laminates can be sealed. The highest operating temperature is 300°C.



D 555 NVT

**Applications:** all kinds of sealable bags, food products, seeds, ironware, mechanical and electric parts, etc.  
Options are: a code seal.

### Principle of continuous sealing



Transport belt synchronised with sealing machine

| Technical information | D 555 NH                           | D 555 NVT                          |
|-----------------------|------------------------------------|------------------------------------|
| Seal width            | ± 10 mm                            | ± 10 mm                            |
| Operation speed       | Variable up to 10 metre per minute | Variable up to 10 metre per minute |
| Power                 | 550 Watt                           | 600 Watt                           |
| Voltage               | 230 V                              | 230 V                              |
| Dimensions            | 610x460x270 mm.                    | 605x350x690 mm.                    |
| Weight of machine     | ± 29 Kg                            | ± 45 Kg                            |

## Custom Products

### Ancillary Equipment



Support stands and reel attachments are available to facilitate manufacture of bags from lay-flat tubing.

- Support stands included are typically supplied with a foot pedal and are ready for easy self assembly
- The optional reel attachment can be mounted on the base of the support stand (as illustrated) or with separate roller brackets for bench mounted equipment
- Optional retainer strips can be fitted to those machines mounted on support stands to prevent the polythene slipping down beyond reach
- Operating height 750 mm
- Weight: Approximately 12 Kg

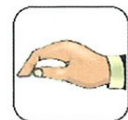
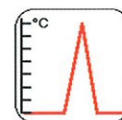
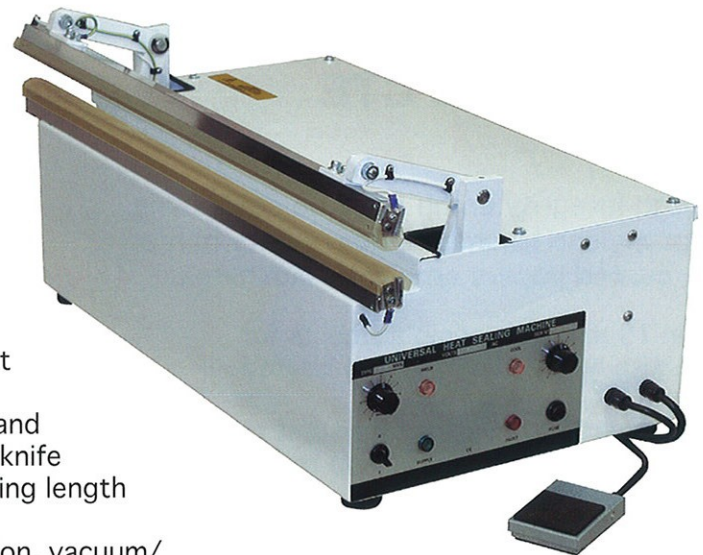
MAXIMUM SEAL LENGTHS ARE CONFIGURED TO SUIT EACH MACHINE TYPE



### Heavy Duty Automatic Jaw Sealers Series HMS 91

Solenoid or pneumatically operated sealers, with either single or dual elements providing maximum seal lengths of up to 3,000 mm

- The sealing cycle is initiated by a foot switch, or optional push buttons
- A dual electronic timer controls the heating and cooling cycles and provides compensation for heat build-up during continuous use
- Sealing widths of 6 mm and 10 mm are available and cut/seal elements can also be supplied. Optional knife attachments can be fitted (but with reduced cutting length between operating arms)
- Special versions with carrier bag handle modification, vacuum/gas flushing facility are available
- Element lengths above 1220 mm require pneumatic operation. Maximum seal length available is 3,000 mm
- Normally bench mounted. Stand-mounting is also available as another option



optional

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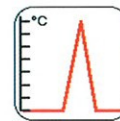
# Foot Operated

## Solenoid or cable operated sealers Model HM 3100

Foot operated sealers with either cable or solenoid operation. Can be operated free-standing without attachment to work bench.



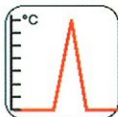
- Dual timer control of heating and cooling cycles
- The foot switch initiates the sealing cycle on solenoid versions
- Cable-operated foot pedal on manual model
- Replaceable plug-in element
- A cutter option facilitates bag production from lay flat tubing
- 315 mm maximum seal length
- Weight: 15.5 Kg
- Footprint: 394 mm x 336 mm



## Heavy duty sack-sealer

Heavy duty, automatic solenoid operated sealer on a pedestal stand. Dual time control, providing 5 mm wide seals for the secure closing of sacks used for building materials, coal, chemicals and garden centre applications.

- Pedestal stand with height adjustment
- Spring-tensioned element
- Twin solenoid foot switch operation
- Double element sealing
- Optional sack support
- 660 mm / 900 mm maximum seal lengths



Further details of our range of equipment from:



# Foot Operated

# Hulme-Martin

## Medium capacity heat sealers HM 1300 and HM 1800



General purpose foot operated machines providing great flexibility of operation. Leaves hands free to manipulate large or heavy packages.

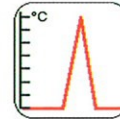
- Simple bench mounting
- Available with single or dual electronic time control
- CD models have a cutting knife to facilitate bag production from lay flat tubing

HM 1300:

- 340 mm maximum seal length
- Weight: 10.7 Kg
- Footprint: 454 mm x 190 mm

HM 1800:

- 495 mm maximum seal length
- Weight: 12.5 Kg
- Footprint: 607 mm x 190 mm



## Large capacity heat sealers HM 6500 and HM 7600

Large capacity general purpose foot operated sealers for industrial, warehousing and mail-order applications

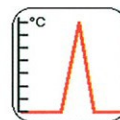
- Dual electronic time control of heating and cooling cycles
- Cable operated versions provide increased flexibility of installation. The foot pedal linkage is designed to minimise operator effort
- Optional support stands available
- Easily reconditioned spring-tensioned heating element

HM 6500:

- 665 mm maximum seal length
- Weight: 19.5 Kg
- Footprint: 851 mm x 180 mm

HM 7600:

- 770 mm maximum seal length
- Weight: 21 Kg
- Footprint: 955 mm x 180 mm



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## Hand Operated

### Multiple use heat sealers HM 2300 and HM 3000

General purpose sealers with many applications. Used extensively by hospitals, laboratories, retailers, engineering and other industries



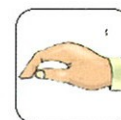
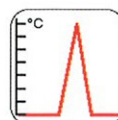
- CD models include a dual electronic time control and a cutter to facilitate bag production from lay flat tubing
- The HM 3000 is also available with a 'hold-down' magnet allowing hands-free completion of sealing cycles

#### HM 2300:

- 245 mm maximum seal length
- Weight: 7.8 Kg
- Footprint: 382 mm x 139 mm

#### HM 3000:

- 315 mm maximum seal length
- Weight: 8.5 Kg
- Footprint: 455 mm x 139 mm



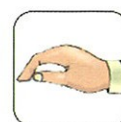
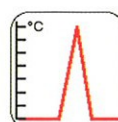
### Portable heat sealer HM 1000 P

Designed for repetitive seals on large, heavy, or irregularly shaped packages, polythene bags, sheeting, pallet covers etc. and providing maximum flexibility of operation.

Used for export packing, protective storage and vacuum packing of humidity sensitive equipment and a wide range of industrial, warehousing and general packaging applications.



- Low voltage safety operation
- Dual electronic timer for complete control of sealing cycle
- Easy maintenance with plug-in replaceable elements
- Robust cast aluminium jaws with lever action for reduced manual effort
- Double elements available to seal thicker laminates and gusseted bags
- 300 mm maximum seal length
- Weight: 7.5 Kg
- Footprint: 241 mm x 139 mm



Further details of our range of equipment from:



# Hand Operated

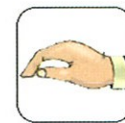
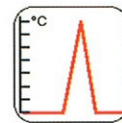
# Hulme-Martin

## General purpose heat sealer HM 2500



General purpose bench or wall mounted impulse sealer. Instant seals without warm-up, but capable of high volume production work. The design allows for a series of seals to be aligned across large bags.

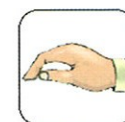
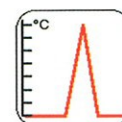
- Electronic time control of heating cycle
- Capacity for 150 micron (600 gauge) polythene bags
- Plug in, easily reconditioned, element can be modified for coded seals (see HM 900S)
- Optional cut/seal element
- 245 mm maximum seal length
- Weight: 5.1 Kg
- Footprint: 338 mm x 123 mm



## Stainless steel heat sealer HM 2950

Specifically designed for food, medical and laboratory applications where hygiene and health and safety criteria require an easily cleaned, moisture resistant and non-corrosive sealer. Particularly suitable for supermarkets and hospitals.

- Dual timer with pre-set cooling time
- Food grade stainless steel body
- Moisture resistant construction
- Low voltage safety operation
- Easily replaced element
- Spare element attached to rear of sealer
- 315 mm maximum seal length
- Weight: 7.8 Kg
- Footprint: 374 mm x 161 mm



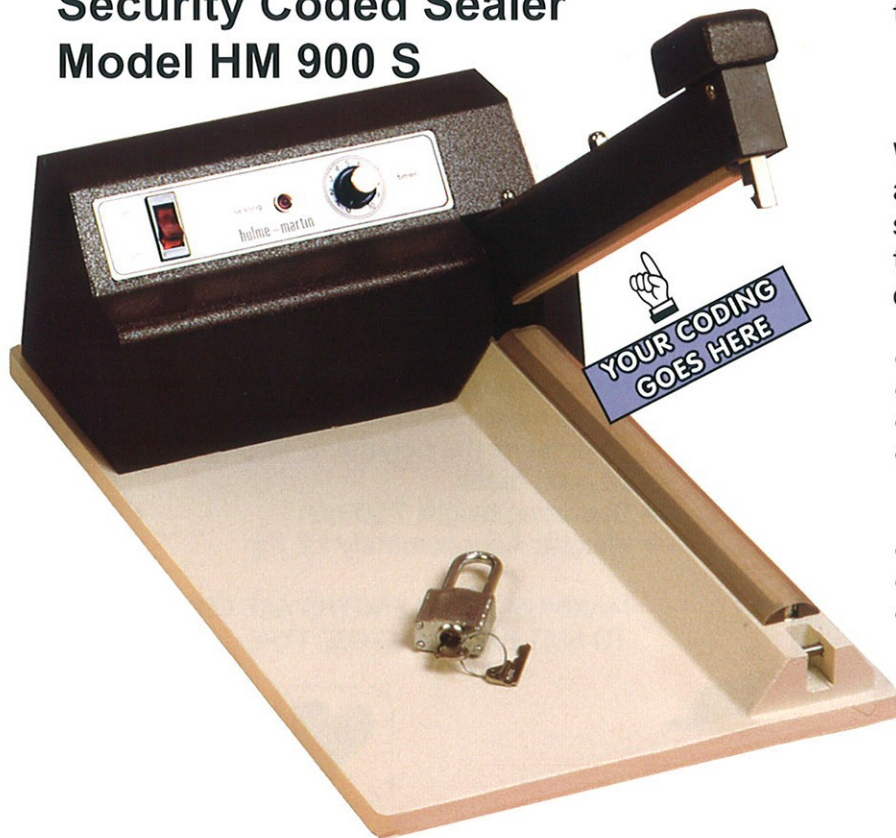
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## Special Products

### Security Coded Sealer Model HM 900 S



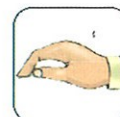
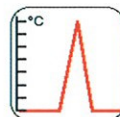
Produces a unique coded embossed seal that detects tampering.

#### HULME MARTIN SECURITY

*A unique security seal as illustrated assures authentic content*

Widely used by banks, police, customs and forensic laboratories for increased security in cash handling applications and to safeguard evidence, drugs, computer disks and other valuables.

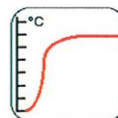
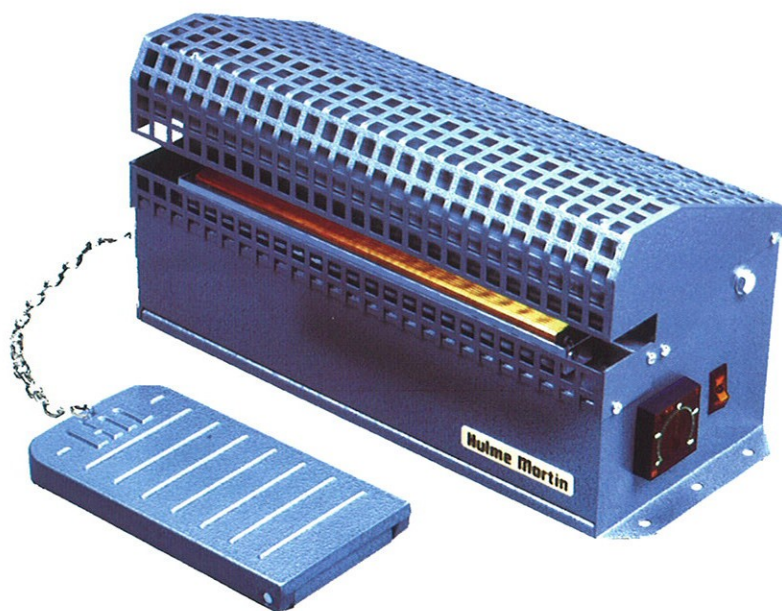
- Up to 30 alpha-numeric characters
- Includes lock to prevent unauthorised use
- Hold-down catch for use during operation
- Dual electronic timer with pre-set cooling cycle
- 250 mm maximum seal length
- Weight: 7 Kg
- Footprint: 238 mm x 427 mm



### High Integrity Crimp Sealer Model HM 305 CTE

For high-integrity crimp seals on cellophane, polypropylene laminates, heavy duty barrier foils, coated papers and other laminates.

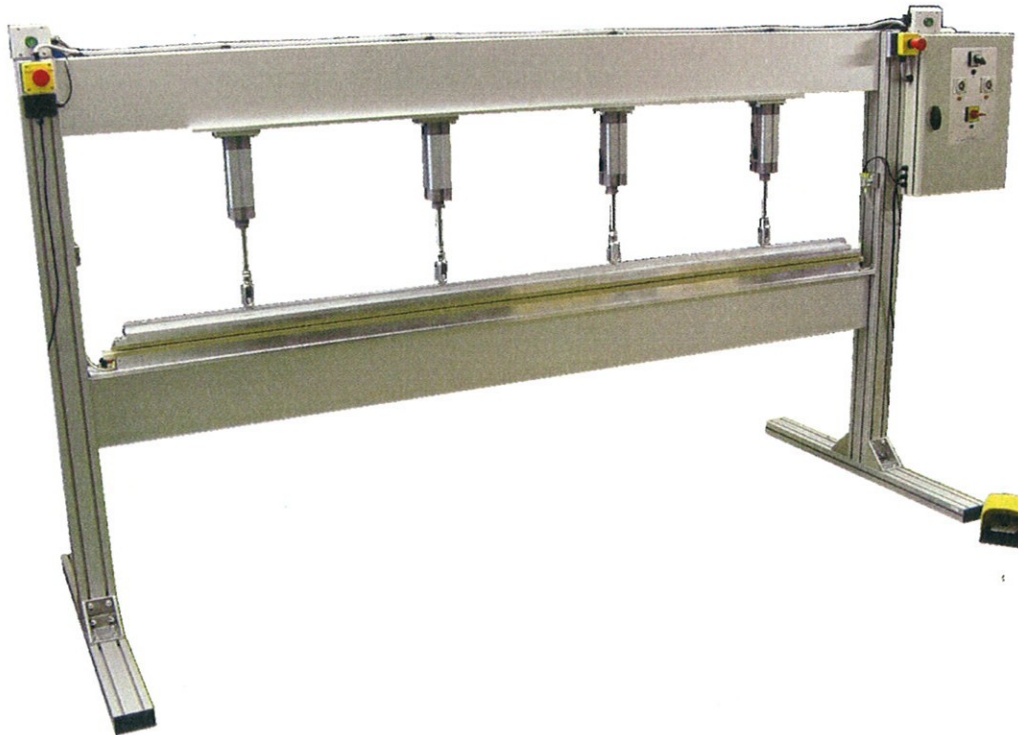
- Twin 15 mm wide crimp elements for use with heavy materials or gusseted bags
- Electronic controller for consistent and easy temperature selection up to 225°C
- Thermal fuse for excess temperature protection
- 300 mm maximum seal length
- Bench mount or optional stand available
- Weight: 10.7 Kg
- Footprint: 180 mm x 450 mm



Further details of our range of equipment from:



Polymetric bag sealers • Industrial heat sealers • Security sealers • Thermal crimpers • Security sealers • Desktop sealers



## PNEUMATIC GANTRY SEALER

A range of heavy duty sealers with the capability to seal up to 4.5 metres.

- Pneumatically operated
- Foot switch or push button activation
- Seals from 1200mm to 4500mm standard 6mm wide, option up to 20mm
- Single or double heated jaws
- Seals can be seal only, seal/cut or a combination including parallel seals
- Floor or bench mounted
- Standard jaw opening 50mm, with option of up to 600mm
- Integral two stage pressure circuit enhances safety
- Jaws can be mounted horizontally
- Probes can be fitted along the seal for vacuum packing

These machines are manufactured to order. This enables us to build the machine to your requirements. We have manufactured a large range of these sealers for applications in the medical industry, mattresses, manufacture of liners for Tankers and freight etc.



Wall or bench mounted

Hand Operated

Easy to use action



## Hand Sack Sealer

With this new addition to our range we expect our customers to find a quick and simple solution to sealing problems that previously have caused difficulty or required significantly more expensive machines. The machines are manufactured with reliability and flexibility in mind, always ensuring Hulme Martins' renowned quality is maintained.

These sealers have been designed and introduced to the Hulme Martin range due to an increasing demand of simple flexible sealers needed to seal bags in the vertical position. The machines can be wall mounted with simple key hole slots, which allow easy storage when not in use, or bench mounted if required.

*This sealer is used in:*

- ❖ Garden Centres
- ❖ Aquarium and Pond suppliers
- ❖ DIY Stores
- ❖ Supermarkets
- ❖ Bakeries
- ❖ Pet Shops

*This sealer is used for:*

- ❖ Pond plants
- ❖ Bird nuts and seeds
- ❖ Fish
- ❖ Loose fill items
- ❖ Fasteners and fixings
- ❖ Liquids

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## HM 1800 HOD



The HM1800HOD produces an 18" (450mm) long by ¼" (6mm) wide seal on a variety of materials. It is a hand operated, bench mounted machine with the added feature of a hold down catch at the end of the housing. It was originally developed for use in overseas banks for the secure packing of notes and coins. The machine can be supplied with a security rubber that embosses an alphanumeric code of your choice into the seal, ensuring it is tamper evident for higher security applications.

An electronic dual timer is fitted, which gives adjustable heat and cool settings. This enables various materials to be sealed, including polythene up to 1000 gauge (250 micron). The sealing jaw can be lifted at right angles to the machine so large products can be passed over it without obstruction.

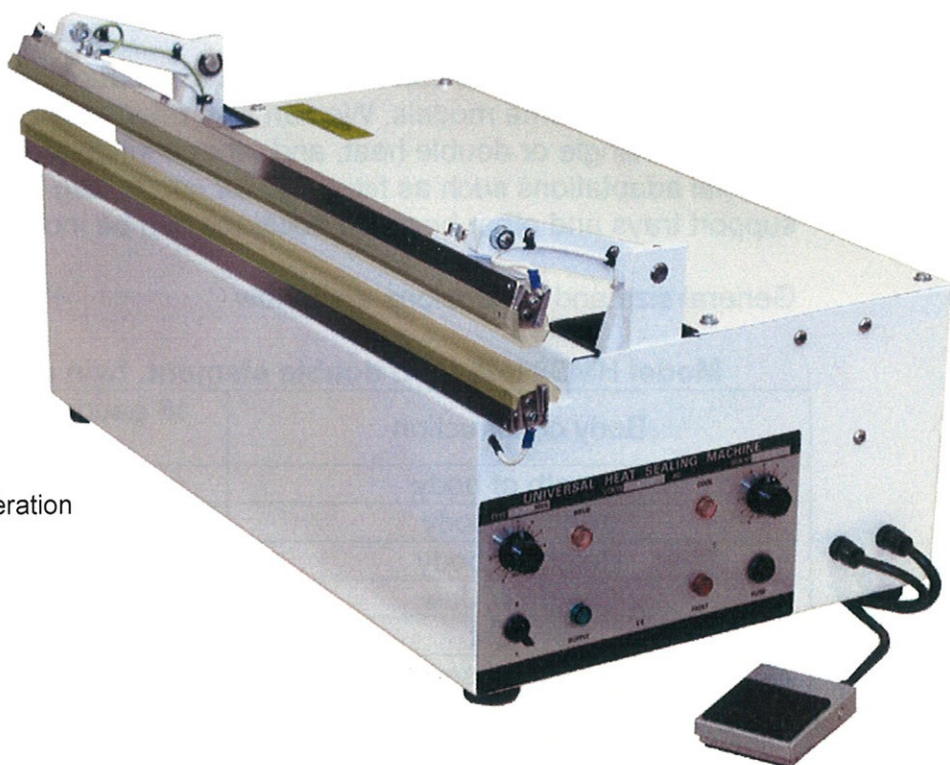
If required flanges are at each end allowing the machine to be fixed to a wall.

## When Dependability is Paramount - it's Hulme Martin

## TYPE HMS91

Heavy Duty Bench Sealer

Solenoid or pneumatic operation



This unit is manufactured to enable 'lay flat' tubing to be welded without obstruction, a manual cutter is available to trim off excess material or produce bags from reels of material. NOTE machines fitted with a manual cutter produce a cut length 4 inches (100mm) less than the seal length.

**Solenoid models** are fitted with twin solenoids and are available with one or both welding jaws heated.

Sealing length can be from 16 inches (400mm) to 42 inches (1066mm), producing a 6mm wide seal.

**Pneumatic models** are fitted with twin cylinders, they are supplied with air regulators to control the pressure and operator safe air circuits on jaw closure. They can also be supplied with one or both jaws heated.

Sealing length can be from 16 inches (400mm) to 48 inches (1220mm), producing a 6mm wide seal.

The Type HMS91 semi-automatic sealers are all 240volt (110v option) single phase machines. They are suitable for sealing, welding or cutting polythene, some PVC, nylons, foil and paper laminates as well as other materials. We are always willing to test any sample material at our factory before purchase.

## HMS121 End Pivot Sealer

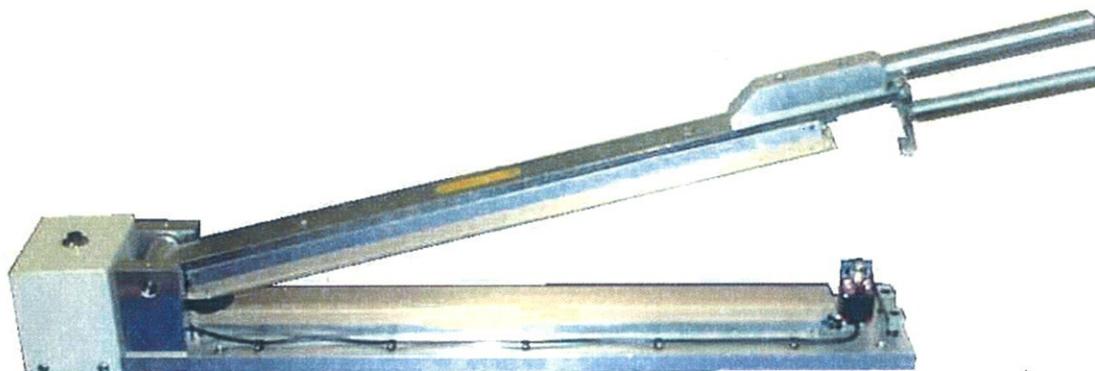


Illustration of HMS121 sealing head only.

These heavy duty end pivot sealers offer an ideal solution when a hand operated sealer is required for larger applications. The above shows an end pivot machine with a hold down latch. These machines come with a remote control box attached via a 2 metre 7 way cable enabling the electronic controls to be situated away from the sealing head. This is very useful when the machine is to be used in a containment or glove box.

The machine produces a 6mm wide seal on a selection of materials. The control box has a dual electronic timer fitted which enables the heating and cooling cycles to be adjusted for various films and bags. Due to the pivot action, material containing the product can be drawn completely over the sealing area before closing the jaw and sealing the bag. The sealing cycle is initiated with either a push button or foot switch, which enables the operator to ensure the material, is positioned correctly before the seal is produced.

Options available include:

- ❖ Up to a 20mm wide seal or a seal/cut/seal if required.
- ❖ Seal lengths from 400mm to 700mm (Special application up to 1200mm)
- ❖ Ideal for toxic waste or containment applications.
- ❖ Lift out upper jaw.
- ❖ Magnetic hold down.
- ❖ Manual cutter option.
- ❖ Bespoke solutions for your application.

For further options or specifications please contact sales.

Type 61  
Sack Sealer



- Compost
- Ballast
- Coal
- Chemical
- Manure
- Resins
- Sawdust

- Semi-Automatic Sack Sealer
- Foot Switch activated (Shrouded pedal option)
- Adjustable heat and cool cycles with twin solenoid hold down
- Adjustable height pedestal stand (optional sack support illustrated)
- Produces 660mm (26") or 910mm (36") long seal x 5mm wide
- Both jaws heated for sealing thick or gusseted material
- 240 volt 50 Hz single phase (110v option)
- 100mm jaw clearance.

Options available: -

Constant heat design with a choice of width of seal,  
Pneumatic operation for heavier or multi-walled materials  
Remote control box for hostile environments,  
Machines can be tailored to your specific requirements

Price range from £975.00 ex-works.

Hulme-Martin is a long established, leading UK manufacturer of manually operated and semi-automatic heat sealing equipment. These are used across a broad range of thermo-plastic materials by organisations ranging from world-leading corporations through to small and medium sized independent businesses.

Our sealers are designed to endure the rigours of intensive long-term industrial use and are widely utilised in the manufacturing, medical, financial, retail and government sectors. Constructed from high quality materials and components, they deliver excellent reliability and lifespans. We stock a large range of consumables and routine service items, which can be despatched on the day of order. Alternatively we offer servicing of equipment at our factory.

In addition to standard models, Hulme-Martin also custom-designs and manufactures systems for specialist applications and can advise on the most suitable equipment and heat sealing process to satisfy demanding requirements.

## Our pedigree

**Hulme-Martin** is the UK pioneer of industrial thermo-plastic heat-sealing equipment. Our origins, in the 1960s, were as a solution provider to the UK banks who needed robust and secure packing for the inter-branch transfer of bank notes.

Their requirements were:

- A reduction in the amount of re-counting of bank-notes as they travelled between branches
- Seal integrity and security
- Equipment reliability

Although taken for granted today, the technology developed at the time was revolutionary. Since those beginnings Hulme-Martin has developed a wide range of sealers to satisfy numerous and varied commercial needs. Customers include many leading industrial organisations, banks, retailers, Central and Local Government, the NHS, the police and food retailers.

Hulme-Martin sealers incorporate adjustable electronic timers and temperature controllers to ensure a consistent quality of seal for a wide variety of heat-sealable materials, including laminate films. Optional accessories are available for many of our machines to suit special requirements.

**Hulme-Martin sealers provide solutions to a wide variety of packaging requirements with equipment for small bags, sacks and large irregularly shaped packages. As new materials and processes evolve, we are always willing to partner with customers in developing fresh solutions for unique challenges.**

Hulme-Martin's distribution network spans the globe, resulting in export sales worldwide. Stock machines operate on a single-phase 220-240 volts supply. 110 volt versions are available to special order.

## The best sealer for you

There are essentially two processes — **Impulse Heat** and **Constant Heat**.

### Impulse Heat Sealers

Impulse heat is typically used to weld *like-for-like* thermo-plastic films (usually, but not always, polythene).

Standard impulse sealers weld up to 1000 gauge (250 micron) polythene film without difficulty. Special purpose double-element machines are available for repetitive sealing of heavier gauge and gusseted polythene. Other thermo-plastic materials such as nylon laminates, polypropylene, polyurethane and some PVCs are sealable but should be tested first. We will willingly test a sample for you prior to the purchase of any heat sealer.

Impulse heat sealers use low voltage element wires that heat up rapidly to a temperature that welds in seconds. The element then cools, allowing the seal to set under pressure.

All Hulme-Martin impulse sealers are fitted with electronic timers to accurately control the welding period. Our **Duo models** are fitted with a higher specification timer that also indicates the cooling period, helping to control the quality and consistency of seals. The welding and cooling periods are independently adjusted to suit the type and thickness of material being used.

Cutters are available on many models to trim surplus material or to make bags from lay-flat polythene tubing. Modified wide seal elements for security coded seals and "cut and seal" elements can be specified on selected machines.

### Constant Heat Sealers

This process is normally used to seal laminated materials made from layers of thermo-plastic film having *different properties and melting points* such as foils, coated papers, cellophane and polypropylene laminates.

Constant heat sealers use temperature controllers to maintain the element bar at a stable and precise temperature. This seals the inner layer (or coating) without distortion of the backing material. Wide or crimp seals produce best results.

## Productivity with Economy

To minimise down-time, replacement elements are quick and easy to fit as well as being inexpensive. Impulse sealers with elements of 445mm or less utilise a push-fit component which is simpler to install than a light bulb. Larger elements are held in place with just 3 bolts. All elements are quick and easy to re-condition with readily available consumables. The availability of four element types for producing different types and widths of seals means that one sealer can easily be converted by the user for a variety of different applications rather than having to purchase several sealers.