

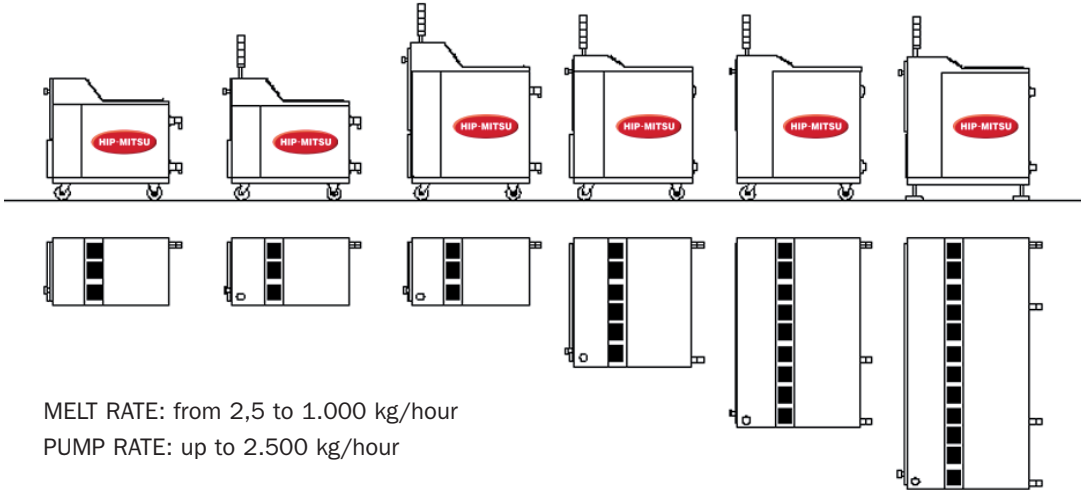


CONTINUOUS OUTPUT MELTING UNITS

FOR HOT MELT AND REACTIVE HOT MELT



CONTINUOUS OUTPUT SERIES : MELTERS AND HEATED-PUMPING-STATIONS



A COMPLETE RANGE OF SOLUTIONS FOR THE USE OF HOT MELT AND REACTIVE HOT MELT PUR ADHESIVES

The range of **HIP-MITSU** hot melt units with continuous output gives an appropriate answer to all the demands concerning the use of hot melt and reactive hot melt PUR adhesives, including a large range of Melt rates and some distribution systems to execute:

- **Glue lines**
- **Spray applications**
- **Spiro Applications**
- **Coating applications with a width up to 6.000 mm**

In case of use of reactive hot melt PUR, the appropriate design and the use of high forefront technological materials guarantee no deteriorations of the adhesive; moreover all the models are equipped with a management and control system for the inert gas to be used in case of long breaks (for example Week-ends).

All the **HIP-MITSU** application systems can use and process the reactive hot melt PUR adhesives in the standard international packaging.

Starting from the Model HIP-MITSU 100, you can use the blocks of 20 liters (5 gal).

The different models of gear pump with adjustable RPM can be installed on all the models and are suitable for the system configuration optimizing the distribution of the adhesive.

Each pump can support one or two automatic hoses.

The structure of all the units is realized to allow a simple access to any components.

The standard configuration prevents the machine from working in conditions of over-or under-temperature.

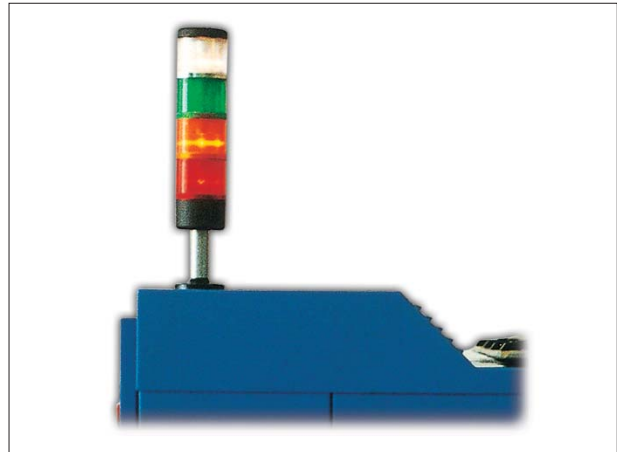
The display pannel allows a simple programming of all the working conditions and their monitoring on-line.

The display pannel moreover reports on-line all the working conditions thanks to a system with an easy visualization.

The directional wheels allow an easy transport of the system.



Tank and grid provided of quick removable heating elements, saving maintenance costs.



The main system status conditions are signalled to the working operator by a "light tower" with four different colours

BUILT FOR A CORRECT HANDLING AND ADHESIVE MAINTENANCE

Function "Economy", that reducing simultaneously the imposed temperatures values of all the thermoregulated components to the stand-by parameters, prevents from the char formation and maintains constant the adhesive characteristics during the inactive breaks.

Appropriate design and use of high forefront technological materials, that avoid the possible deteriorations of the adhesive in case of use of reactive hot melt PUR adhesives.

Monitoring and control system of the inert gas that are used for a correct maintenance of the reactive hot melt PUR adhesives during the long breaks (for example during the week-end).

According to the used adhesive's characteristics, the maintenance program can be easily personalized by the user.

A COMPLETE CONTROL BOARD WITH INSTRUMENTS THAT CAN BE QUICKLY UNDERSTOOD AND EASILY PERSONALIZED BY THE USER. ALL THE MAIN INDICATIONS OF STATUS CAN BE CONTROLLED AT DISTANCE

Control and monitoring on-line of all the thermoregulated parts, with independent regulation of the temperature during the working and stand-by phases.

The display pannel includes:

- All the regulation functions in Celsius or Fahrenheit of the working temperature of each single thermoregulated part
- The interface with the basis line and its emergency devices
- The protections against the use of the machinery in over or under temperature situations.

The microprocessor cares for the control of all the temperatures thanks to a PID system setting the different temperatures with a precision equal to $\pm 0,5$ °C (± 1 °F). The PID operative status parameters can be easily programmed according to the different applications.

The main system status conditions are signalled to the working operator by a "light tower" with four different colours (from the model HIP-MITSU 140).

The control processing system is provided with a weekly and daily timer that automatically provides for the management of the machine concerning the operating and stand by conditions.

The hot melt units are equipped with a light indicator of reserve that signals to the operator the necessity to supply the system with adhesive before downtime.

VERSATILITY AND EFFICIENCY IN EACH SITUATION

Surface treatment of all the parts in contact with the adhesive that allows an easy and quick cleaning of the system in case of use of different products.

Filters on-line, with a quick substitution, that protect the system and the connected devices to any other foreign bodies, and guarantee as a matter of fact a perfect distribution of the adhesive.

The adhesive quantity distributed can be increased or reduced according to the variations of the line speed adjusting automatically the RPM of the engine that acts upon the gear pump.

Most of the heating parts are connected to connectors with a quick disconnecting system to make easier the maintenance.

The design of the units is ergonomically studied and realized for an easy access to all the components of the system.

BUILT ACCORDING TO THE INTERNATIONAL STANDARD OF SAFETY.

The electrical device is IP-54 rated according to the Safety Norms concerning the industrial machinery.

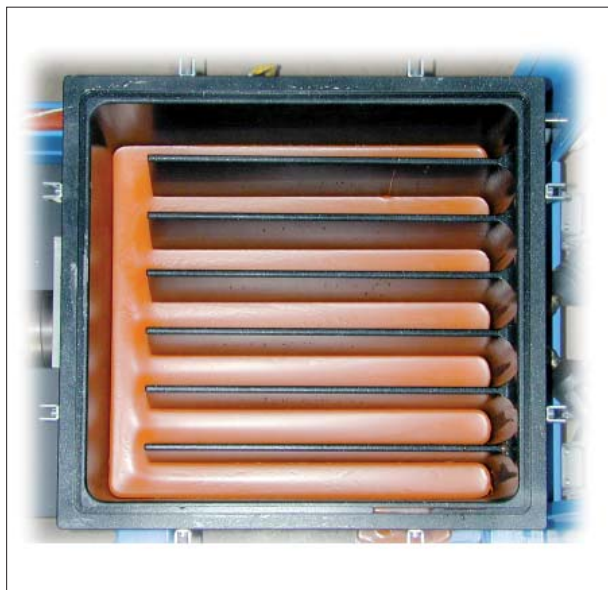
All the units are equipped with an emergency switch on the machine according to the actual Safety Norms.

The emergency can be easily interfaced with the basis line.

THE MODELS HIP-MITSU USER FRIENDLY - THE NEW GENERATION.

The new generation of HIP-MITSU application systems - model User Friendly - for hot melt and reactive hot melt PUR adhesives, besides the characteristics of the HIP-MITSU range, gives the most advanced answer to the demands imposed by the Modern Productive Techniques:

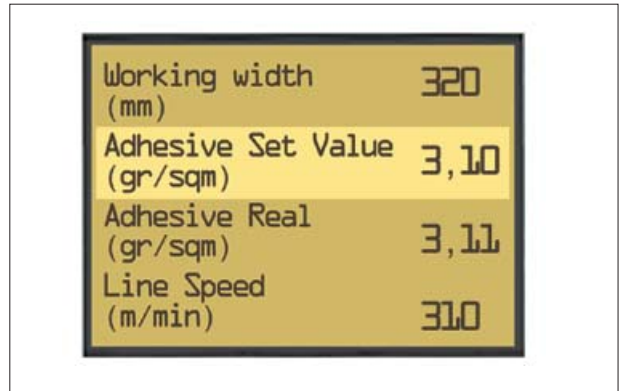
- Flexibility, allowing the execution of small batches with the same efficiency of the big productions



The design of the units is ergonomically realized for an easy access to all the machine's components.

- No wastes, giving the guarantee that the process can take place from the beginning without any under or over dosage of the adhesive.

The calibration of the adhesive distribution is immediate and completely automatic and can be easily obtained introducing on the display panel the working parameters desired, so as to be able to respond in a quick way to the frequent production changes.



The models HIP-MITSU User Friendly (patented)

Introducing in the display panel the working parameters desired, you can immediately and automatically obtain the calibration of the adhesive distribution. The change of the set value can take place as well during the work without having to stop the line, eliminating completely the dead times.

The change of the set value can take place as well during the work without having to stop the line, eliminating completely the dead times.

The quantity of adhesive distributed can be increased or reduced according to the variations of the line speed adjusting automatically the RPM of the engine that acts upon the gear pump.

Any operator can easily use the system and can automatically take care of the adjustment of the process parameters without making mistakes.



SPECIFICATION

MODEL	HIP-MITSU 40	HIP-MITSU 100	HIP-MITSU 140	HIP-MITSU 250	HIP-MITSU 500
TYPE	TANK	TANK	TANK/GRID	TANK/GRID	TANK/GRID
ADHESIVE TYPE	BLOCKS/CHIPS				
MAX DIMENSION ADHESIVE (Block)	2 kg - 4,4 lb	20 kg - 44 lb	20 kg - 44 lb	20 kg - 44 lb	20 kg - 44 lb
TANK CAPACITY	9 liter - 2 gal	45 liter - 10 gal	45 liter - 10 gal	65 liter - 14.5 gal	130 liter - 29 gal
MELT RATE ⁽¹⁾	2.5 kg/hr - 5.5 lb/hr	14 kg/hr - 31 lb/hr	22 kg/hr - 48.5 lb/hr	40 kg/hr - 88 lb/hr	80 kg/hr - 176 lb/hr
PUMP RATE ⁽²⁾	UP TO 160 kg/hr - 352 lb/hr				
ELECTRICAL SERVICE	3 ph 380V~50Hz ÷ N				
MAX UNIT POWER CONSUMPTION 380 VAC ⁽³⁾	4.200 W	6.500 W	10.500 W	10.500 W	21.000 W
OPERATING TEMPERATURE	50 ÷ 240 °C - 122 ÷ 464 °F				
VISCOSITY RANGE	FROM 300 UP TO 120.000				
DIMENSION L x W x H	800 x 250 x 780 mm 31,5 x 9,8 x 30,7 ln	1170 x 570 x 1040 mm 46,1 x 22,4 x 40,9 ln	1.170 x 570 x 1.400 mm 46,1 x 22,4 x 51,1 ln	1.170 x 570 x 1.670 mm 46,1 x 22,4 x 65,8 ln	1.170 x 1.060 x 1.570 mm 46,1 x 41,7 x 61,8 ln
NUMBER OF PUMPS / HOSES	1x1 / 1x2	1x1 / 1x2 2x1 / 2x2	1x1 / 1x2 2x1 / 2x2	1x1 / 1x2 2x1 / 2x2	2x1 / 2x2 / 3x1 3x2 / 4x1 / 4x2
COLOUR	RAL 5015	RAL 5015	RAL 5015	RAL 5015	RAL 5015

⁽¹⁾ The Melt rate indicated can change according to the type of adhesive and to the applications parameters.

⁽²⁾ According to the adhesive used and the application.

⁽³⁾ The value reported is indicative as it depends on the configuration used.



add value to your production

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