

# HIP-MITSU

## PED

### PRIMER ELECTRONIC DOSING SYSTEM

for a precise and careful application  
compatible with all wrapping systems

**HIP-MITSU**, Italian company headquartered 15 minutes from the international Venice and Treviso airports, is one of the most qualified producers of equipment for industrial polymers application, in which field it has operated in for many years.

#### Specialisation and steady research

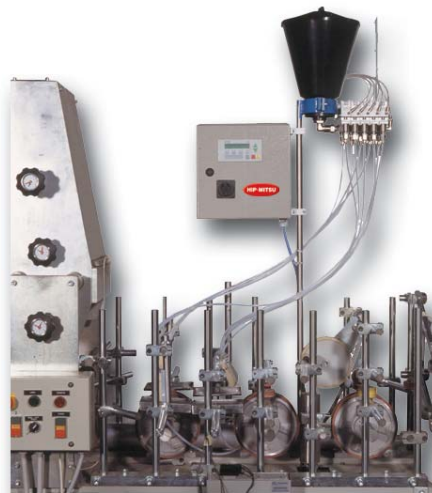
In particular, the high specialisation and the constant research in the product innovation are well testified from many international patents belonging to the company.

#### MITSU PED System: absolute precise application

The main feature of the HIP-MITSU Primer Electronic Dosing system model PDE is an extreme precise ( $g/m^2$ ) and uniform primer supply.

The result is that it ensures a perfect application in any situation.

- easy and immediate installation
- independent electrical feeding
- as standard equipped with high precision MITSU "Fine Tuning" supply valves
- from four up to sixteen independent supplies
- available with one or two tanks
- easy-reading primer level
- on line filter
- User Friendly operator interface
- starting synchronised with the main line
- automatic dosing adjustment according to the line speed
- tank feeding pump (optional)



#### System configuration

The MITSU PED system is composed of following elements:

- primer tank (single or double)
- header
- high precision supply valves model MITSU "Fine Tuning" with pneumatic drives
- electro-valves set type EV 3/2 24V DC
- CPU
- DISPLAY type User Friendly
- self-bearing stand

#### HIP-MITSU "Fine Tuning" technology

Such performances are achievable thanks to the use of special high precision supply valves model MITSU "Fine Tuning" produced by HIP-MITSU, enabling a fine and absolute precise dosing adjustment in a wide application range.

#### Reliability and reduced maintenance

Realized using the most advanced material treating techniques, joining design and materials, which grant a high reliability along the time in any working condition and a meaningful reduction of the system maintenance.

#### From 4 up to 16 high-precision MITSU "Fine Tuning" independent valves

The HIP-MITSU Primer Electronic Dosing systems model PDE can be equipped from 4 up to 16 supply valves model MITSU "Fine Tuning", in order to supply with the maximum precision the required primer quantity on any surface to be sprinkled.

### Modularity: a building and along the time rearrangeable system

The automatic Primer Electronic Dosing systems model PDE, planned and built according to a modular philosophy, which characterizes all HIP-MITSU products, can be purchased in the basic configuration, equipped with four supply valves. So the quantity of MITSU "Fine Tuning" supply valves can be increased at a later date according with the changed production requirement, reducing the initial investment and protecting it for the future.

### Integrated CPU

A well-tested and reliable integrated CPU is installed on all HIP-MITSU PED Primer Electronic Dosing systems. The control display is extremely simple and direct. The electronic is supplied in two configurations: Basic version or Fully Automatic one.

### Simple use

Even if highly powerful, the "Fully Automatic" version is extremely easy to be used. The operator must just set the required primer quantity for each single gun in the used channels.

### Auto-calibration according to the line speed

Once the desired primer quantity is selected, the system modulates fully automatically to maintain it at a constant rate in case of speed variations of the main line.

### Synchronisation with the main line

The standard "Fully Automatic" system enables to synchronise the start/stop of the supply to the working conditions of the main line.

### Level check

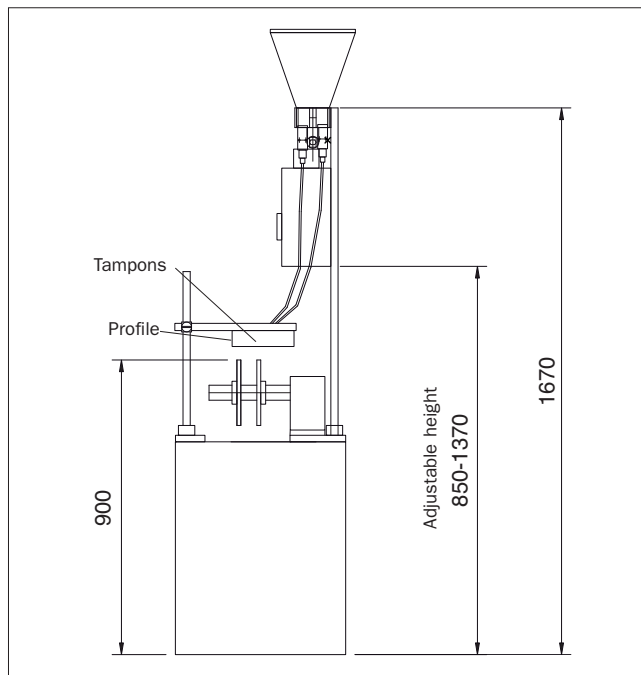
The tank is transparent in order to enable an easy visual level check. Moreover they can be equipped with special level sensors to be connected with filling pumps.

### Easy to be installed

The HIP-MITSU Primer Electronic Dosing systems model PED are supplied in racks complete with 22 mm circular section vertical stands. Therefore they are easily installable on the basement of all main operating lines. Customised stands are available on-demand.

### Installation service and training

The HIP-MITSU technical assistance service is available for supporting on site all installation operations of the PED and to train the machine and maintenance operators.



### Available configurations

Models	PED 1x4	PED 1x8	PED 1x12	PED 1x16	PED 2x4	PED 2x8	PED 2x12	PED 2x16
Nbr of primer tanks	1	1	1	1	2	2	2	2
Nbr of installed supply precision valves model MITSU "Fine Tuning"	4	8	12	16	4	8	12	16

### Datasheet

Power Supply	220 V 50Hz - single phase + neutral + ground
Pneumatic Source	Dry air - pressure level 4 to 6 bar
Nbr of high precision MITSU supply valves model MITSU "Fine Tuning" to be installed	Up to 16
Required input speed signal (just for the "Fully Automatic" version)	From 0 to 10 V DC
Input signal (just for the "Fully Automatic" version)	Start command - free voltage contact type N.O.
Input signal (just for the "Fully Automatic" version)	Stop command - free voltage contact type N.C.



add value to your production

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