

**HDCA***Mobile filter for smart repair***APPLICATIONS**

Painting, Bonding, Resin Treatment / Lamination - extraction and filtration of fumes and/or over spray resulting from the above mentioned working processes.

**UNIQUE ADVANTAGES**

- Compact extraction/filtration unit ideal for smart repair and spray painting or similar also on board or in small work areas
- Transportable and Mobile - the system may easily be moved inside yard or from yard to yard.
- High efficiency Extraction and Filtration (independent).
- Eco - compatible (low power consumption).
- Easy handling and maintenance - increases productivity.

**HDCA** is a mobile extraction and filtration system specific for all types of operations requiring an active carbon filtration; for the filtration of paint mist and exhalations arising from catalysis processes.

*Particularly suitable for small jobs ("tweaks") - smart repair and work in compartmentalized areas on board.*

In the inner part of the modular structure are mounted two filtration stages consist of:

- Prefilter with sintered metallic polyester.
- Filter cartridges in activated carbon are built in baskets made of perforated network containing activated carbon granules with a high adsorption.

**FILTER MIST***Mobile filter for dust & fumes***APPLICATIONS**

Sanding, Sandblasting, Cutting metal, fiberglass and/or carbon - extraction and filtration of even very fine dust particles.

**UNIQUE ADVANTAGES**

- Compact extraction/filtration unit ideal for dust generating operations in small work areas or spots localized extraction - multiple possibilities.
- Transportable and Mobile - the system may easily be moved inside yard or from yard to yard.
- High efficiency Extraction and Filtration complete with automatic filter cleaning system (independent).
- Eco - compatible (low power consumption).
- Easy handling and maintenance - increases productivity.

**FILTER MIST** is a wheel mounted extraction and filtration unit built in modular panels of sturdy sheet galvanized steel. Its compact size and mobility are of great logistic advantage in the performance of work processes. On base of the type of application, the unit can be supplied with various capturing solutions, e.g.m flexible hose, suction arm or workbench.

Particularly suitable as support unit to the centralized extraction plants (to reach areas uncovered by them), to work on the dock and / or board.

**IR 7***Mobile drying shortwave infrared lamp***APPLICATIONS**

Putty and primer drying on metal yachts or parts, post-curing.

**UNIQUE ADVANTAGES**

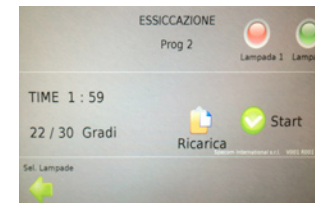
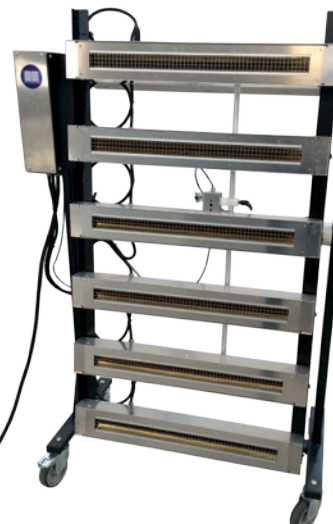
- Compact design - tailor made for use on scaffolds.
- Mobile and reclinable (may lean back or forward to copy the shape of the yacht).
- Optimizes the post-curing and working time, revealing the entrapped air bubbles in the putty.
- Temperature and operating time setting according to the preparation and coating products
- Easy handling and maintenance - increases productivity.

The IR Drying Lamp uses the Shortwave infrared technology: the rays emitted by the lamps pass through the putty and primer/paint directly to the metal support, turning back out.

This ensures uniform drying of the layers of the puddy and coating material from the support towards the outer surface exposed to the rays, allows easy and full evaporation of the solvents and thinners, or water particles, and completes the hardening of the preparation and coating materials.

The IR Drying lamp has been specifically designed for use on scaffolds, compact and easily movable, in order to enable a sector drying. Its' reclinable conformation permits to copy the shape of the yacht and to ensure uniform transmission of the drying effect.

The exposure times, to achieve perfect drying results, vary on based of the products applied, but rarely exceed 10 minutes.



drying operations are managed using a PLC system

**ASSO***Compressed air heater***SELF-ADJUSTING HEATER FOR SPRAY PAINTING AT CONSTANT TEMPERATURE WITH 12 MTS HOSE****APPLICATIONS**

Spray painting - application by spraying of primers, solvent or water paint, finish, sealants, glue, etc.. also by means of air mix pumps.

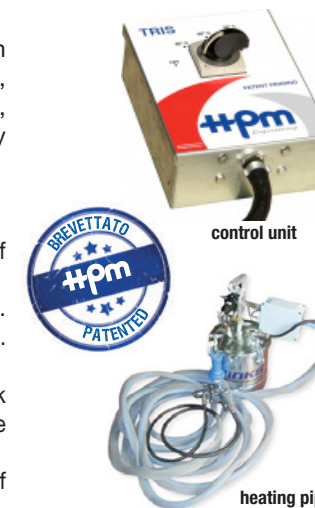
**UNIQUE ADVANTAGES**

- Compatible with all types of aerographs.
- Compact and durable design.
- Fixed installation or mobile use.
- Easy to use (plug & spray).
- Constant and quick outlet temperature (at the aerograph).
- Better/easier application of the coating material.
- Reduction of risks due to the temperature of the external environment
- Improvement of distension, adhesion and gloss of the paint.
- Significant reduction of risk of paint dripping and/or of "orange peel" effect.
- Reduction of drying time and time of exposure to dust settling over the painted surface.
- Reduction of over spray and bouncing back of the paint particles.
- Optimization of the consumption of coating material.
- Low energy consumption.
- Increases productivity.

**ASSO (patented)** is an innovative self-adjusting heater for application by spraying of primers, solvent or water paint, finish, sealants, glue, etc.. also by means of air mix pumps by a controlled and stable temperature.

The new technology makes it possible to stabilize a very important factor during spray painting - the compressed air - the carrier fluid of the paint.

The only factor that also in pressurized paint booths can vary (even significantly) according to the length, the installation of the canalization piping and the location of the compressor, not only in relation to the temperature of the outside environment during the different seasons, but also during the same working day due to temperature fluctuations.



innovation in  
air filtration technology



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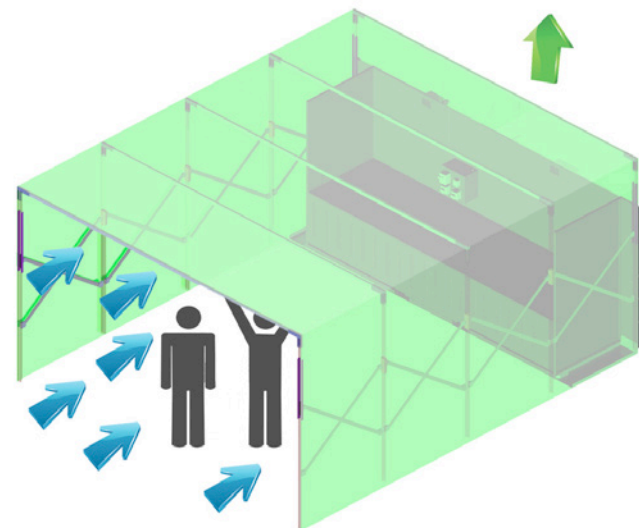
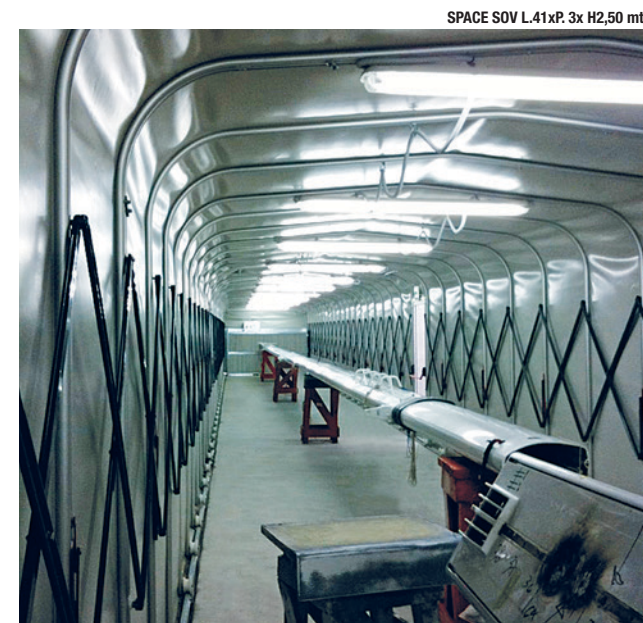
# SPACE

## THE FIRST EXTENSIBLE RETRACTABLE SPRAY CABIN FOR MARINE INDUSTRY



### APPLICATIONS

1. Mod. "P". Painting, Bonding, Resin Treatment / Lamination.
2. Mod. "M". Welding, Grinding, Metal cutting.
3. Mod. "S". Sandblasting, Sanding, Fiberglass or Carbon fiber cutting.
4. Mod. "D". New Combined system for dust and paint works.



### UNIQUE ADVANTAGES

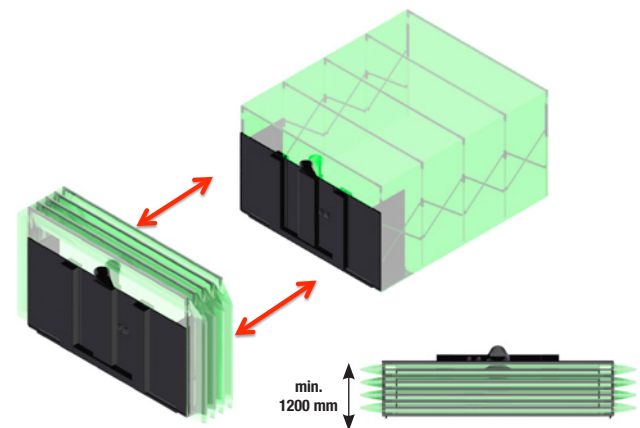
- Compactable/Retractable (compacting ratio approx. 7m to 1 m)
- Movable with forklift+Transportable mounted (including accessories e.g. Lights)
- High efficiency Extraction and Filtration (independent)
- Eco - compatible (low power consumption)
- Easy handling and maintenance - increases productivity
- Handling of in-process goods also with overhead travelling crane.

## Extensible, compactable and mobile

**SPACE** is an innovative extensible/retractable extraction/ filtration system, designed and produced by HPM, dedicated to all work processes requiring a concentrated and efficient extraction.

The system is composed by two fundamental elements:

- A compact extraction / filtration module, dimensioned according to the work process needs, equipped with suitable filters, placed on one side of the working area, complete with control and services panel.
- The containment structure constituted by galvanized steel arches, mounted on wheels, covered by auto-extinguishing PVC canvas.



The efficient air flow inside of the **SPACE** cabin is provided by the tunnel effect created by the intake wire-canvas on the frontal doors and the extraction module on the opposite side. The horizontal air flow conveys 100% of the pollutant towards the extraction module where it crosses the several filtration barriers before being expelled by a suitable piping outlet line.



# SINT INTEGRATED SYSTEM

## MOBILE AND MODULAR EXTRACTION FILTRATION SYSTEM FOR MARINE INDUSTRY

### APPLICATIONS

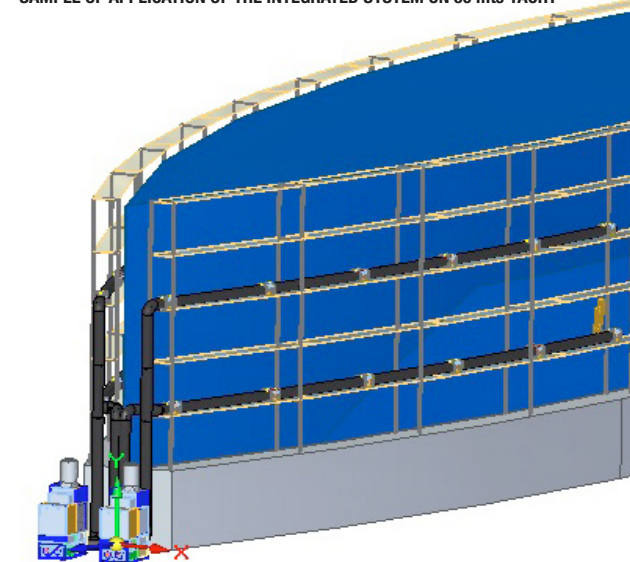
1. Mod. "P". Painting, Bonding, Resin Treatment / Lamination.
2. Mod. "S". Sandblasting, Sanding, Fiberglass or Carbon fiber cutting.
3. Mod. "D". New Combined system for dust and paint works.

### UNIQUE ADVANTAGES

- Mobile - the extraction/filtration unit is equipped with wheels and a base for forklift for practical and fast repositioning inside the yard.
- Transportable - the system may easily be loaded for moving from yard to yard.
- Modular - the system may always be composed according to the logistics and the work process needs tailor made for the Yacht (or other).
- High efficiency Extraction and Filtration (independent).
- Eco - compatible (low power consumption).
- Easy handling and maintenance - increases productivity.



SAMPLE OF APPLICATION OF THE INTEGRATED SYSTEM ON 60 mts YACHT



The **HPM INTEGRATED SYSTEM** is an innovative mobile and modular extraction / filtration system, designed and produced by HPM, dedicated to all work processes requiring a concentrated and efficient extraction in compartmentalized areas.

The system is composed of two fundamental elements:

- A compact extraction / filtration unit, dimensioned according to the work process needs, equipped with suitable filters, to be placed nearby the working area.
- Modular intake extraction system that can be composed according to the logistics needs from flexible hose lines of variable length connecting in a line the PACMAN nozzles with the KIT of flexible hoses until reaching the desired length.

The **PACMAN** system ensures efficient localized aspiration, concentrating all the intake flow in the area of interest, simply by opening the nozzles closest to the operator. The system composed as described allows to operate in a healthy environment during all processes where it is not possible to operate with traditional systems such as paint booths and extracting walls because of the overall dimensions of the material/ of the Yacht to be spray painted, coated, laminated, sanded, and so on.

