



EQUIPMENTS FOR THE SURFACE'S TREATMENTS

Offices and technical services :

via Cesare Battisti 2 – 20090 Settala (mi)
 Fax +39.(0)2.95.77.03.01 Tel. +39.(0)2.95.77.00.24
 www.ceever.com E-mail: sales@ceever.com
 Cod.Fisc e Part.IVA 02206280154

SPRYMASTER

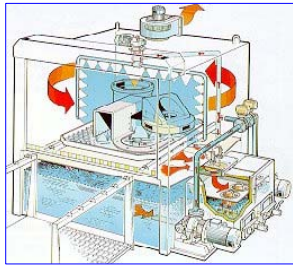


Sprymaster plants are washing booths provided with fixed or rotating internal platform for **spray washing** with a water-based detergent.

Operation is clean, odourless and fully isolated from the surrounding environment. The spraying chamber is closed by a front door driven by one or two pneumatic cylinder(s) or a motor reducer and racks. The ducts of the spraying **nozzle network** are oriented in the washing chamber.

The jet configuration has been arranged in such a way as to cover the surface of the items being treated through a procedure which includes chemical, mechanical and thermal functions.

ROTATING TABLE SPRYMASTER



For small and medium-sized pieces (max.1500 x 1500 x 1000h) and weights up to 1000 kg, washing booths with rotating platform can be used. The **platform is made rotate** by a special hydrodynamic nozzle or electro-mechanically. The machines come complete with an automatic **electric exhaust fan** at the end of the cycle, in order to reduce the emission of vapour in the surrounding external environment.

The **reservoirs** under the work surface are provided with large inspection and cleaning vents. Solutions are supplied from the reservoirs through one or more electropumps and the solutions made circulate return to the reservoirs through removable metal filters that make it possible to clean them. The **Sprymaster Tau** series features an exclusive original system with valves provided with pneumatic actuators, which limits the well-known negative effects caused by the solution mixing in cycle in the washing chamber. The sprymaster plants are manufactured in six standard models, i.e.:



SPRYMASTER		Junior	tau beta	senior	tau gamma	mayor	tau delta	
loading dimensions	length	850	850	1250	1250	1500	1500	mm
	width	850	850	1250	1250	1500	1500	mm
	height	580	580	850	850	1000	1000	mm
weight max.		400	400	500	500	800	800	kg
spraying pressure		3,5	3,5	3,5	3,5	3,5	3,5	bar
	pump	7,5	7,5	10	10	12,5	12,5	kw
tanks capacity	cleaning	500	500	700	700	1200	1200	lt
	rinsing	absent	500	absent	700	absent	1200	lt
Heating	electrical	10	2x10	15	2x15	20	2x20	kw/h
	gas	20.000	2x20.000	25.000	2x25.000	30.000	2x30.000	Kcal/h
	gasoline	20.000	2x20.000	25.000	2x25.000	30.000	2x30.000	Kcal/h
	steam	20.000	2x20.000	25.000	2x25.000	30.000	2x30.000	Kcal/h
Overall dimensions	length	1550	1720	2150	2270	2500	2500	mm
	width	1850	2000	2450	2550	2900	3100	mm
	height	2120	2120	2170	2170	2800	2800	mm

SPRYMASTER CIL



For large-sized and heavy pieces, washing booths are used provided with a swinging table and rotating ramps. During the treatment, the **ramps**, positioned on the four sides of the booth, have an oscillation angle of approximately 70°. At the same time, the **trolley** moves lengthways, with an

alternating motion inside the booth. This solution makes it possible to cover all the points of the pieces being treated, using low pumping and heating capacities. In order to rationalize and optimize the treatment cycles, some **optionals** are available on demand, such as:



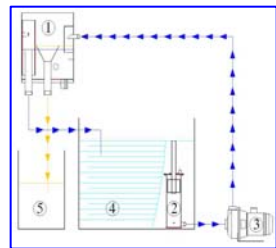
Motor-driven vertical opening doors

Detergent dosing pumps: low-capacity pumps, which inject the detergent inside the storage tanks to offset the product leaks and wear.

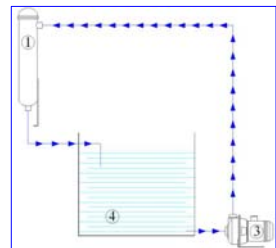
Dredges and chip removers: positioned on the bottom of the storage tanks, they collect the chips or sludge removed by the wash.

Spraying masks: when the components to be treated require an accurate cleanliness level, special ducts can be installed that make it possible to hit critical areas also at high pressures.

De-oilers: mainly positioned inside the degreasing tanks, they are used to separate the oils from the washing solutions, so as to prolong their life. The circuit is made up of a pump (3) tapping off from a tank of the plant (4) via a floating tap (2) that follows the level and conveys the liquid to the separation compartment (1). The water leaving this compartment returns to the tank (4), while the oil is conveyed to an external tank (5)



Filtration: filtering systems can be mounted to meet special requirements (1100 microns retention). As a general rule, bag filters (1) are adopted, supplied by an independent pump (3) that tap off the liquid from the treatment tank (4), pushes it towards the filter (1) and conveys it to the reservoir again (4).



Drying and/or blowing: a hot air circulation drying and/or blowing system can be installed as standard on all machines.

Additional tanks: for particularly complex cycles, several tanks can be installed in a single block or outside, according to the customer's requirements.

Low-dissipation heaters: in the presence of considerable deposits, in order to maintain the same heating devices, it is important to adopt heating elements with a large surface and a low dissipation degree.

Internal window

Manual washing gun

Ceever srl

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internet: www.ceever.com

