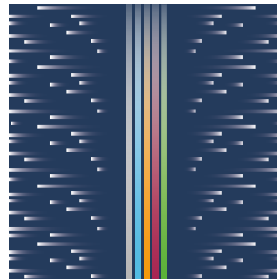




# THE BRUSHER

## SAT Automatic Vertical Brushing Machine for aluminium profiles



BrushingMachine

# Concept

Take a look at  
The Brusher  
in action!



**P**laced in series before the tunnel provided for the chemical pre-treatment, the purpose of the pre-brushing machine is to perform a mechanical pre-treatment on the two opposite main sides of the profiles (sides "in view").

The machine is equipped with 3 pairs of brushes. Since each of the pairs of brushes is dedicated to only part of the whole profile length (for example, in a profile 7 meters long each pair of brushes will operate on about 2,33 meters) the brushing front can slide along the profile at a lower speed (compared with the machine equipped with only two pairs or only one pair of brushes) and this implies a more intense surface treatment.

The brushes are made up of plastic bristles containing abrasive particles.

Thanks to the 3 pairs of brushes, the mechanical action intensity can be adjusted according to the desired result (varying the Round per Minute of the brushes and their vertical speed).

Test results show that up to 5 grams/m<sup>2</sup> can be removed: it means that THE BRUSHER can be an efficient partner to obtain QUALICOAT SEASIDE endorsement, to reduce the chemical consumption and to minimize rejects/scrap.



Untreated surface (center)  
vs. brushed surface (sides)

## The Brusher ADVANTAGES

A significant  
**REMOVAL** of  
**ALUMINUM CHIPS OR  
DIRT** deriving from the  
extrusion process or from a  
non-optimal storage,  
drastically **REDUCING THE  
INCIDENCE OF DEFECTS  
ON THE SURFACE**

**INCREASE OF THE  
POWDER SEAL**  
on the aluminum surface,  
ensuring **EXCELLENT  
ADHESION  
PERFORMANCE**

### ADVANTAGES

**INCREASE** of the overall area of the profile  
due to the scratching of its surface accomplished by the brushes  
that allow a more effective chemical attack.

It **REDUCES** the consumption and the  
**CONCENTRATION OF CHEMICAL PRODUCTS**  
in the pre-treatment tunnel





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