

First production line Eurofeu; prep. before painting

INTRODUCTION



For Eurofeu SAS, the French specialist of fire extinguishers, SICT-Blasting has developed a production line using the LOKI technology for surface preparation before painting.

Stripping of the outer surface of fire extinguishers includes welds, pressed and tube.



PRESENTATION

To ensure good paint grip, surface of fire extinguishers were previously prepared by shot peening. A method used traditionally but cost consuming in investment and maintenance and which further raises rust problems when stored.

The LOKI technology associated with the use of calcium carbonate, attacks less the surface and thus allows optimal roughness. As a result the grip is perfect while permitting a better control and a significant reduction in the amount of paint needed for the same outcome. This results in a **30% paint saving**.

A study from the University of Mulhouse in France also confirms that the grip of the paint is better on a surface treated with calcium carbonate than with shot peening. In addition, the use of calcium carbonate provides a degreasing effect and prevents the formation of corrosion. This is a world premiere, actually the first automatic production line using calcium carbonate.

The production line operates 16 hours a day, 6 days out of 7 with a yield of 2,500 pieces processed per day. The wear phenomena are under control, implying a reduced maintenance.

PATENTED DOSING SYSTEM

The dosing unit is unique in the way it mixes an aggregate (powder) within an air flow in a constant, repetitive and regular way. The amount used can thus be well defined in advance which enables a reliable economic forecasting.

