



Produced by



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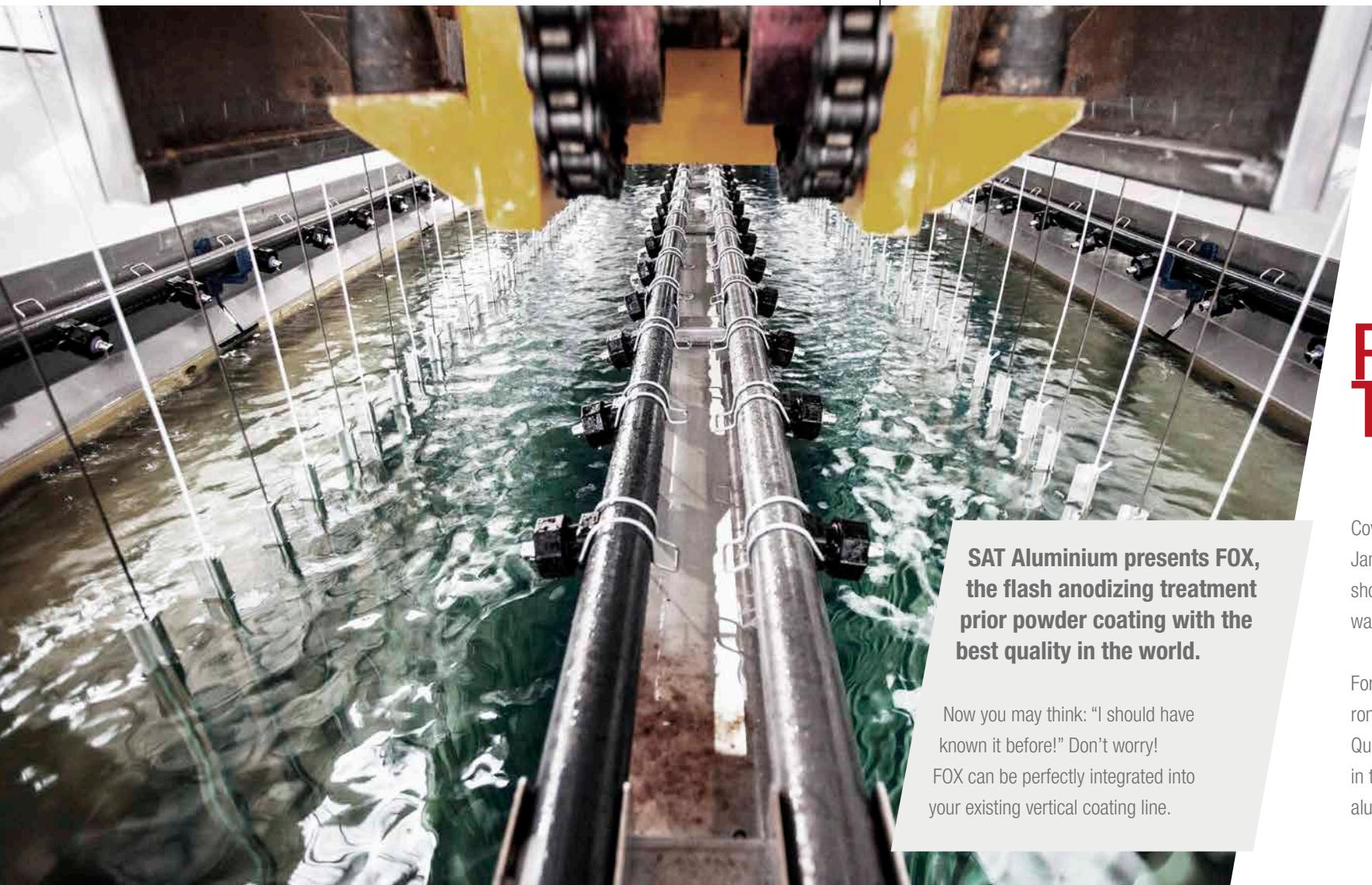
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Patented Technology

SAT Aluminium presents FOX, the flash anodizing treatment prior powder coating with the best quality in the world.

Now you may think: "I should have known it before!" Don't worry!
FOX can be perfectly integrated into your existing vertical coating line.

Covered with a European patent approved in January 2014, the solution developed by SAT shows all the commitment of our company towards new ideas and innovative technologies.

For polluted areas and high-chloride environments, the main Coating Associations, Qualicoat and GSB International, recommend in their specifications to pre-anodize the aluminium surface prior to coating.

FOX

Flash anodizing

2 processes in one Line

The anodizing process is not new in the industry, but using it as treatment before coating has always been too expensive, as it meant 2 separate processes in 2 different lines.

With FOX, this finally changes, because you can perform the 2 processes in the same line.



The Fox anodizing process

How does the FOX work?

Profiles are loaded to the main conveyor system in the traditional way of vertical coating systems.

After a quick degreasing in a cascade tunnel, the profiles are dip into the anodizing vertical tank, which is equipped with a 30.000 ampere rectifier.

The anodizing process takes four minutes: at the end of it, a tough and homogeneous layer of good oxide is created on the profiles surface, granting resistance and an ideal substrate for powder adhesion.

Subsequently, profiles are thoroughly rinsed, with no need of sealing the oxide pores.

Key features

FOX has a typical chain speed of a vertical plant: that's why it can produce up to nine hundred extrusions per hour.

It's a fully automated process and it does not require any extra personnel or long and expensive pretreatment cycle.

900
profiles/1h

100%
automated
process

NO EXTRA
personnel
required

Compact
PRETREATMENT
tunnel

There are already 5 vertical systems equipped with FOX in operation, and new ones are coming... Don't be late, follow the change!