





Your
Aluminium
**Coating &
Anodizing
Partner.**

The Choice



It is hard to imagine what our grandfather Eng. Ferdinando Trevisan thought of the future when, over forty years ago, had the idea to design the first vertical powder coating plant.

So much time has passed since then but the belief and commitment of our company is always the same: only by focusing on technological innovation aimed at improving our customers production process, it is possible to maintain the leadership that the market, in our reference niche, recognizes us. A history that is being renewed day by day, driven by the experience of Trevisan family (now in its third generation) with all its workforce, true and only value of the company.

The acquisition by the company GEMA (part of GRACO Inc. Group – NYSE: GGG) at the beginning of 2018 is a further step towards a more global organization, to meet the expectations of our customers in all markets, and is the best opportunity to further develop new technological solutions also in close collaboration with the swiss company, leader in the electrostatic powder application

equipment.

The most significant result of these last few years of growth is the satisfaction of our customers: our products do not only comply with powder coating requirements, but they allow to rethink the industrial process and take advantage of the better technical solution, with consequent reduction of running costs, increased productivity, easier production scheduling and overall a better quality of the final product. We are eager to see what our future will bring and, together with all our wonderful team, we are committed to do our best and to continue with the passion and competitiveness that are pivotal in this sector of business.


Andrea Trevisan
(Chief Executive Officer)


Michele Trevisan
(Operations Manager)

Introduction

A close-up photograph of several aluminum profiles, likely for window or door frames, arranged in a row. The profiles are dark in color and have a complex, multi-chambered cross-section. The lighting is dramatic, highlighting the edges and the intricate details of the profiles against a dark background.

Aluminium is a building material the use of which is growing steadily, thanks to the characteristics of flexibility, lightness and full recyclability.

Nevertheless as with all metals, the surface tends to corrode in contact with atmospheric agents. For its maintenance, the most efficient and environmentally friendly process is the powder coating.

SAT is world leader in the design and manufacture of vertical painting systems. This role is recognized by the market and it

is confirmed by the commitment and the drive towards the introduction of new technological solutions to respond to the impelling technical demands.

In the 80s, the rapid growth of demand for aluminum profiles for doors and windows, led to the development of vertical painting: the verticality allows a higher production compared to obsolete horizontal plants. In those years, the main demand from the operators was a very high productivity, while the profiles were almost entirely painted in white.

These conditions (demand for large quantities, only white color) repeated in the decades in all those emerging markets, which in turn, have required and imported SAT technologies. Every market then evolves: once coating becomes a quick and simple process, the end customer increases special needs and a more developed taste. Not only the white color but any color meeting the needs of the architect or the same house owners. Thus, the coaters find themselves having to manage orders quantity of ever smaller and of different colors. The technological solution is not long in coming: two different booths in parallel are installed in the same system, with the ability to process the profiles in one or in the another. This allows changing the color in a booth while the other is being cleaned, without any loss of production. This represents a shift from a color change per week (sometimes even per month) to the possibility of changing whenever it is needed, especially after the introduction of the so-called fast color change booths,

requiring only 5 minutes to clean the cabin and start with a new profiles lot.

In this historical moment, the market can be divided into two parts: The emerging countries on one side, with the urgent need to import technologically advanced systems to meet a growing demand; on the other side, the countries representing a market already evolved, in which the need is instead the possibility of offering an ever more satisfying, fast and flexible service, in addition to superior quality.

In the last few years, SAT has introduced two products that respond to these realities. For emerging markets, CUBE Trevisan: a vertical compact painting plant, with the following characteristics: reduced space (only 200 m²), low operating costs (fuel consumption, highly automated process) and competitive price.

For the so-called developed markets, FOX (Flash Anodizing). Protected with European patent recognized in January 2014, this





technology allows (always in a vertical painting line) a type of pre-treatment, which makes the finished product of superior quality. Instead of the traditional chemical process of pretreatment, the FOX performs an anodic oxidation process that creates a “good” flash oxide layer ensuring an unbeatable corrosion resistance, even in very aggressive environments.

SAT is also active in the wood aluminum profiles decoration system. EZY is the brand that identifies the powder on powder patented decoration wood effect system. A machine that creates an important added value with a very low production cost: this is the main advantage and the reason for the success of EZY. With only 3 people to operate the plant

and a powder consumption of ca. 25 kg of powder for 3 tons of aluminum, the cost is very close to RAL coating. In addition to this, the double layer of powder and the polymerization in two phases make the decorated surface very resistant, to be used also and especially for exterior (shutters, blinds), unlike the decoration systems that use film/inks.

SAT offer includes then all other surface finishing equipment for raw profiles: anodizing plants, packing systems and sandblasting machines.

About us



10.000m²
of operations facilities in Verona
(Head Quarter and Operations Site).



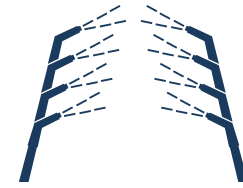
56
employees.

1982 FIRST EVER
VERTICAL
POWDER
COATING
line installed.



277
TRUCKS/CONTAINERS
loaded in our premises in 2024

410+
VERTICAL COATING LINES
installed worldwide in 52 countries.



235+
BOOTHS WITH GUNS
ON BOTH SIDES

40+ OF WHICH ARE
EXPERT
POWDER BOOTH




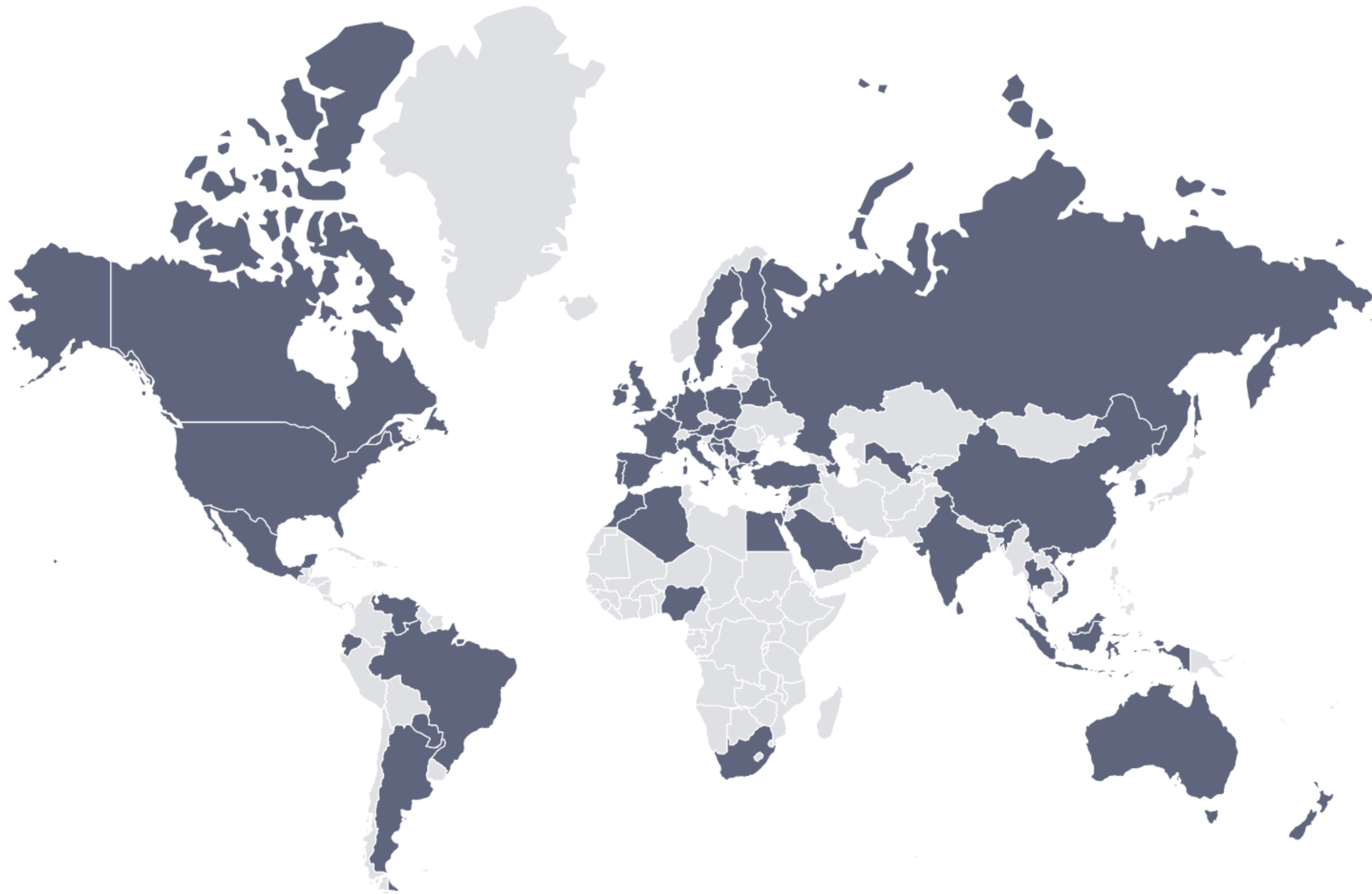
Hamilton
(NEW ZEALAND) THE MOST
DISTANT INSTALLATION
18.500 Km from SAT head quarter.

Verona
(ITALY) THE CLOSEST
INSTALLATION
28 Km from SAT head quarter.

Our technician travel approx. 
260.000 KM/YEAR
TO COMMISSION OUR LINES

 **Spain**
IS THE COUNTRY
WITH THE HIGHEST
NUMBER OF SAT LINES.

 **Australia**
IS THE COUNTRY
WITH THE HIGHEST
NUMBER OF CUBE
COMPACT LINES.





Trevيسان
Powder Coating

1982 First vertical powder coating line ever installed

Leading role in new technologies

High productivity, high quality, Low running costs



The first vertical powder coating line has been introduced in Europe in the early 80s by Eng. Ferdinando Trevisan, reworking the concept of liquid paint on vertical lines already present in the U.S. market, which were developed for liquid coating aluminum profiles on a massive scale. The large growth in demand for aluminum as a material for the construction industry and the growing need to optimize costs/increase productivity led to a rapid spread of our vertical powder coating technologies.



Cube

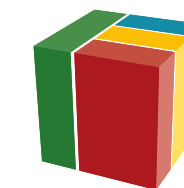
The specialist for extrusion
powder coating



CUBE
STANDARD | 300 profiles/h
0,7 mt./min.

CUBE
PLUS | 600 profiles/h
1,4 mt./min.

CUBE
XL | 1000 profiles/h
up to 3 mt./min.



CUBE
TREVISAN

The revolution in the aluminium profiles powder coating market took place in 2013. For developing markets, SAT introduced the CUBE Trevisan, a compact vertical powder coating line with the following characteristics: small space required (only 200 square meters), low operating costs (low fuel-water-electricity consumption, only 5 people required to run the entire line) and a competitive price. This product target is, on one side, the small to medium size companies aiming to increase productivity in a very short time and with a modest investment. With the CUBE system, they can get very high quality and lower production cost comparing with traditional systems, which makes them immediately competitive in the market. On the other side, the product also targets towards big companies, willing not to concentrate the production in one single headquarter, but bringing the coating service closer to their end-customers, with a coating line in every strategic warehouse.



FOX
Flash anodizing



**BEST
PROTECTION**
against corrosion

eco-
friendly

2 processes in
one Line



For high-chloride environment (sea areas, polluted areas) the International Association for powder coating Quality (QUALICOAT) recommends electrochemical pre-anodizing for aluminium surface prior to coating, in order to reduce the risk of corrosion. The aluminium oxide layer (thickness of 3÷8 microns, porous surface) is not sealed and represents ideal substrate for powder adhesion.

In August 2014 the European Patent Office has certified with European patent the FOX® technology developed by SAT. The innovation consists in performing the pre-anodizing process automatically and in line along with a vertical powder coating plant, with no handling and no delay between pre-anodizing and coating. That results in both higher quality and in a powder coating production cost comparable with standard pre-treatment process (chrome/chrome-free).



SAT Anodizing

Anodizing lines:
automation and **high control** of the process,
packing lines



Automatic
process

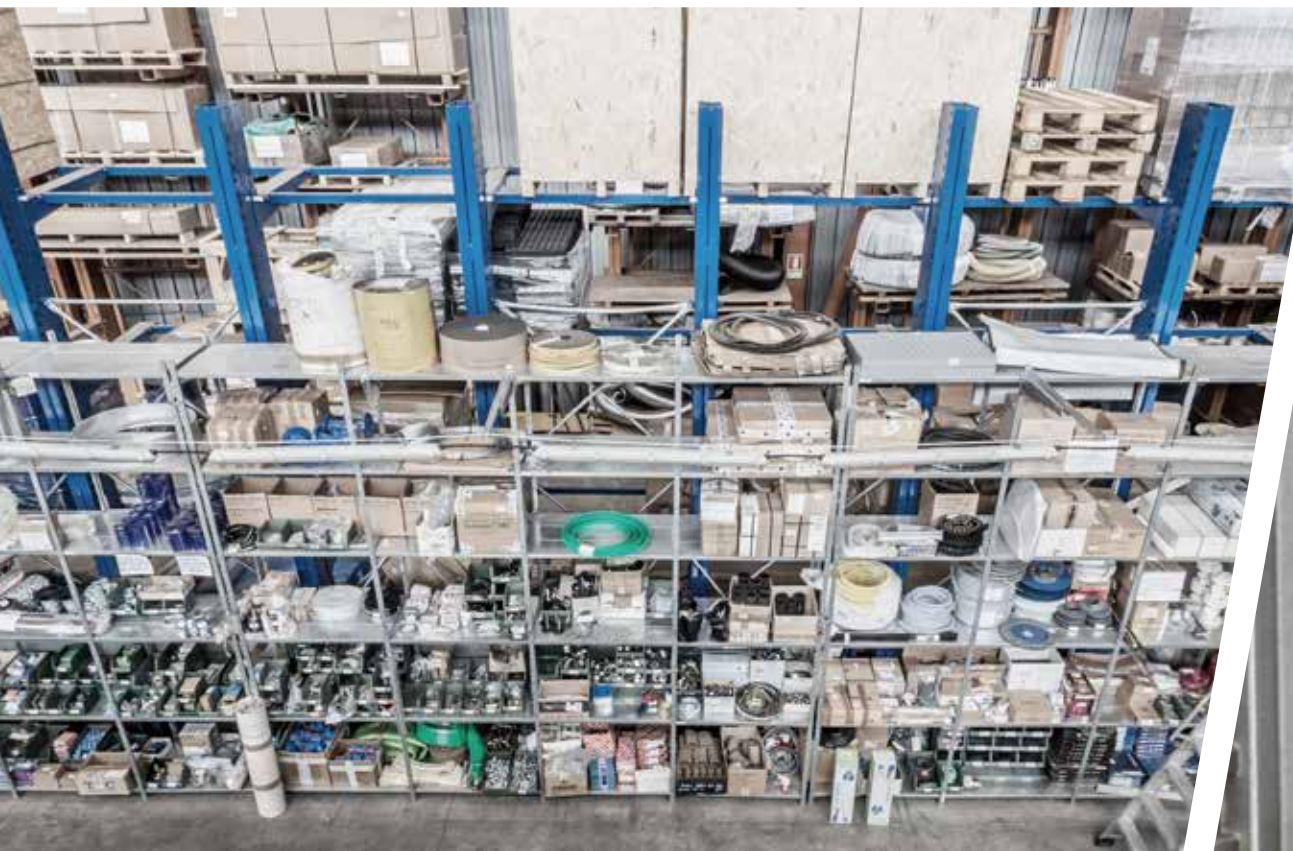
Repeatability
= Quality

Exp
erience



AUTEL is the reference brand for automation, which means anodizing lines, packing machines as well as sandblasting machines. The team of specialist in SAT technical department developed impressive new technologies for automation, making some mechanical technics and supervision software become magic. As for an anodizing line, an automatic system ensures, first of all, a greater reproducibility of the process steps and, consequently, a production quality that is much higher than that of a comparable plant operated manually. Constant and automatic regulation and monitoring of each phase of the process enables an optimization of chemical product usage, energy consumption and labour cost. Packing machines are studied to be perfectly integrated with anodizing and vertical lines, so that all profiles coming from production can be properly packed, with no delays and no extra handling.

Customer Care



"A company's value is not measured only by the number of its reference installations around the world, but also by the way it provides continuous support through its after sales services."

It is based on this principle that SAT started a new Department, the After-Sales Customer Care, formed by highly qualified and experienced technical staff.

The service is meant to offer a quick and efficient solution to all customer's needs after the sale, from the need to deliver spare parts quickly to the efficient planning of a service or maintenance task on site.

SAT Team



It is our team commitment towards our customers success that drives our company and keep it at the forefront of Aluminum finishing equipment.



sataluminium.com



SAT | Surface Aluminium Technologies s.r.l.

Via Meucci, 4 | 37135 Verona | Italy

T 0039 045 828 0601

F 0039 045 821 3937



gemapowdercoating.com



graco.com