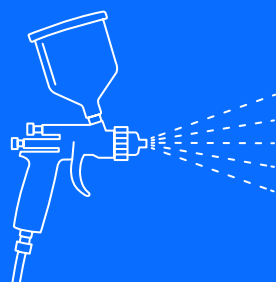


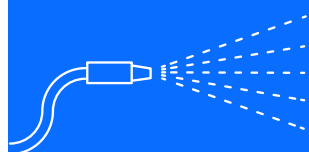
## INDUSTRIAL PAINT LINE INTEGRATOR



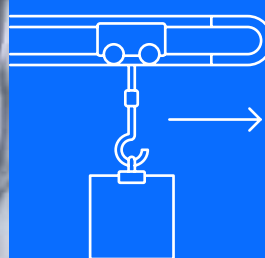
Application  
Liquid & Powder



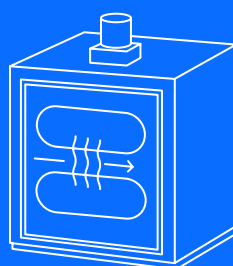
Surface  
preparation

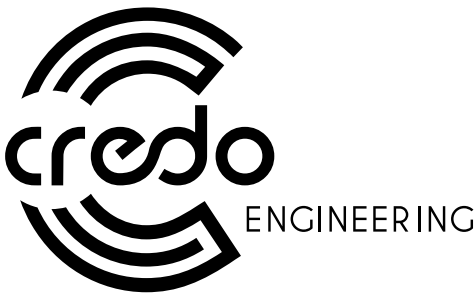


Conveying



Ovens & Curing





Foreword \_\_\_\_\_ 04

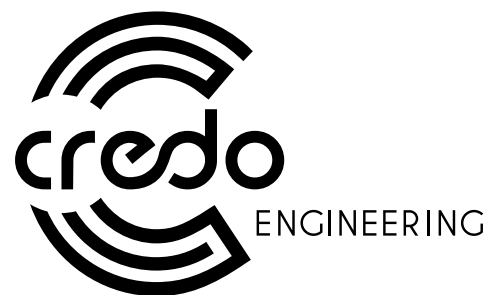
**01** About CREDO Engineering \_\_\_\_\_ 05  
Paint line designer-integrator \_\_\_\_\_

**02** Workflow of a paint shop \_\_\_\_\_ 14  
Turnkey solutions · liquid & powder \_\_\_\_\_

**04** Conveying \_\_\_\_\_ 22  
ALM auto · CREDO + manual Mention \_\_\_\_\_

**11** Our support \_\_\_\_\_ 74  
Line retrofit and modification - industrial transfer - maintenance & service - sectors and references \_\_\_\_\_

# CONTENTS



## A WORD FROM THE DIRECTOR

### FOREWORD

At CREDO Engineering, we are convinced that an industrial paint line is never just the simple sum of pieces of equipment placed side by side.

It is an integrated system, where every link — from part unloading through to the curing oven — must work with the others to guarantee productivity, finish quality and the safety of your operators.

Designer-integrator, official distributor of the WAGNER and EUROIMPIANTI brands, partner of ALM, GT SURFACE, RENNER and MANTION, we put at your service more than 15 years of combined experience in integrating liquid & powder paint lines. We also design our own automatic shot blasting machines (manufactured in Turkey). Our technical base in Aoste (Isère, France) lets us respond within 24 to 48 h anywhere in France.

Whether your project is a simple manual booth or a complete automated line, we bring the same rigour and **the same commitment: making your installation a lasting asset for your company.**



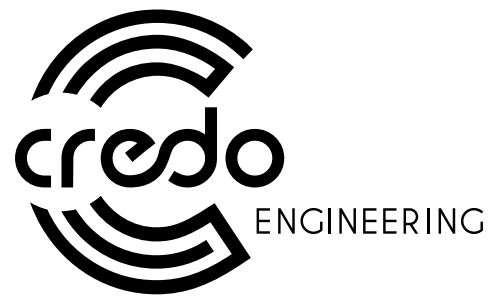
**Jérôme Gautier**

Director — CREDO Engineering  
France

## PART 01

# Credo Engineering

THE RÉFÉRENCE INTÉGRÁTOR FOR YOUR PAINT LINES



WHO WE ARE

## INTEGRATED INDUSTRIAL SOLUTIONS

Designer-integrator of industrial  
paint lines

**15+**

years of experience

**6**

### Major partners

Direct access to the latest technological  
innovations and genuine parts.

**Isère, France**  
**Technical base**

**48h**

Response  
time



### ONLINE SHOP

WAGNER spare parts, consumables, masking,  
PPE and standard manual booths: trade prices, real-time  
stock, secure payment, ordering 24/7.

[boutique.credo-engi.com](https://boutique.credo-engi.com)

### OUR PARTNERS & BRANDS

#### WAGNER

Germany — Liquid & powder application, auto booths

#### EUROIMPIANTI

Italy — Manual & vertical booths, ovens, washing

#### ALM

France — Automatic bi-rail & mono-rail conveyors

#### GT SURFACE

France — Manual blast rooms (open jet)

#### RENNER

Germany — Compressors & air treatment

#### MISTERPAINT

France — Workshop consumables



## WHAT WE DO

# AN INTEGRATOR, NOT A SIMPLE RESELLER



### Study & consulting

Needs analysis, site audit,  
layout study



### Design

2D/3D drawings, equipment  
selection, customer approval



### Supply

WAGNER + EUROIMPIANTI  
supply + subcontractors



### Turnkey solutions

We deliver turnkey solutions  
for our customers, following  
the project through every  
phase. From the studies to  
commissioning, we are there  
at every step to guarantee the  
success of the project.



### Installation and commissioning

We take charge of the  
installation and commissioning  
of all the equipment,  
guaranteeing a smooth transition  
to operational production.  
Our expertise allows us  
to deliver efficient and reliable  
commissioning, minimising  
downtime and maximising  
productivity.



### Maintenance Service

We offer complete maintenance  
services to keep your  
equipment running  
continuously.  
Our experienced team is  
available to respond to your  
needs in case of breakdown or  
to carry out preventive  
maintenance work.

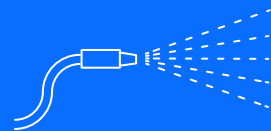


ALL THE EQUIPMENT,  
ONE SINGLE CONTACT

OFFICIAL DISTRIBUTOR  
OF THE SECTOR'S LEADERS

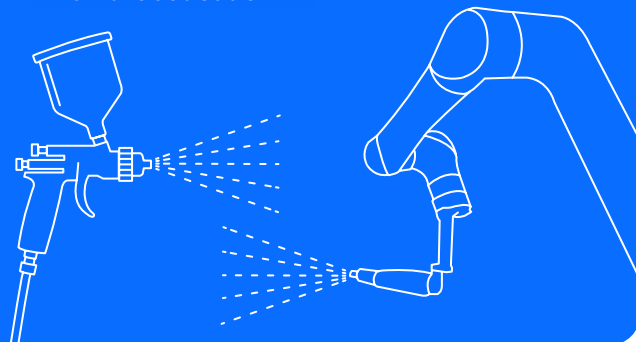
Surface  
preparation

- Shot blast booths, manual and automatic
- Wash tunnels, manual and automatic
- Chemical pre-treatment (degreasing, phosphating)



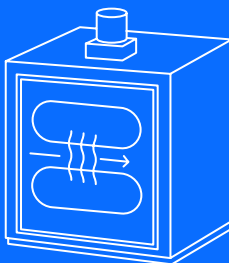
Paint application

- Manual/auto liquid booths
- Manual/auto powder booths
- Guns, sprayers, 2K mixing
- Paint robotisation



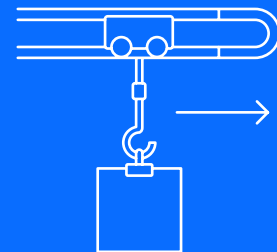
Drying / Curing

- Drying ovens
- Gas / LPG / diesel / electric curing ovens
- Air curtains, temperature control



Conveying

- Overhead monorail / bi-rail conveyors
- Manual conveyors
- Floor / step-by-step conveyors



GERMANY — WORLD  
LEADER IN PAINT  
APPLICATION

Specialities:

- Manual powder & liquid guns
- Automatic application systems
- SuperCube powder booths
- 2K mixing/dosing (TwinControl)
- Airless / AirCoat sprayers
- COATIFY platform (supervision)



ITALY — 45+ YEARS, 80 EMPLOYEES,  
THOUSANDS OF INSTALLATIONS

Specialities:

- Paint booths (Komby, Euro 90, Eurocar...)
- Chemical pre-treatment booths
- Spray wash tunnels
- Curing ovens (gas, LPG, diesel)
- Vertical / horizontal solutions
- International after-sales service



## WHY CREDO?



### Multi-brand expertise

WAGNER + EUROIMPIANTI under one roof. Optimised technical solution, no compromise tied to a single brand.



### Responsiveness and proximity

Technical base in Aoste (Isère). Response within 48 h in mainland France.



### Service lasting

Preventive and corrective maintenance, supply of genuine parts. Minimum 12-month equipment warranty.



### In-depth technical engineering

Drawings, capacity calculations, the right equipment for your throughput and the nature of your parts.



### Commissioning and training

Every installation delivered with acceptance tests, operator training and complete documentation.



### Turnkey tailor-made

From the manual booth to the complete automated line. No fixed catalogue, we adapt to your needs.



## PART 02

# Workflow of a paint shop

FROM THE RAW PART TO THE FINISHED COATED PART

01

### Part hanging

Raw part  
received



02

### Surface preparation

Shot blasting / washing

03

### Drying

60-120 °C



04

### Application

Liquid  
& powder

05

### Curing

60-200 °C  
20-50 min



06

### Part unloading

Finished part  
inspected

## THE CREDO ADVANTAGE: DESIGNER-INTEGRATOR OF COMPLETE LINES

Rather than coordinating several suppliers (preparation, booths, sprayers, oven, conveyor, fluids), you deal with one single team that guarantees the technical consistency and overall performance of your installation. CREDO designs the line, selects the best partners for each station and handles the integration from end to end.

# PART 04 Conveying

AUTOMATIC MONO-RAIL & BI-RAIL CONVEYING · MANUAL CONVEYING ·  
FLOOR & STEP-BY-STEP CONVEYORS

## CONVEYING

# SOLUTIONS SUITED TO EVERY OVERHEAD CONVEYOR PROJECT

### 01

#### OVERHEAD CONVEYING MONO-RAIL & BI-RAIL TUNNELS

Economical mono-rail ≤ 50 kg/point. Bi-rail for medium to heavy loads up to 1,500 kg/point. Hanging height 1,800-4,000 mm – all industrial throughputs.

PARTNER



### 02

#### OVERHEAD CONVEYING MANUAL

Manual conveying assembled in-house by CREDO with Manton rail. Proven solution for low-throughput workshops, frequent changeovers, varied parts. Installation and training included.

PARTNER



### 03

#### FLOOR CONVEYORS & STEP-BY-STEP

For heavy/bulky parts: motorised rail trolleys, loads 100 kg to 5 t per trolley. Ideal for structures, frames, vehicles. Eurocar compatible.

PARTNER



# CONVEYING MONO-RAIL & BI-RAIL TUNNELS

Automated overhead conveying solutions designed to optimise industrial production flows and adapt to every throughput.

MAIN FEATURES:

- Mono-rails for parts ≤ 50 kg/point
- BM4 bi-rails, medium to heavy loads – up to 1,500 kg/point
- Engineering office + manufacturing + automation integrated (France)
- Continuous or step-by-step conveyor, speed 0.5-8 m/min
- Hanging height 1,800-4,000 mm – tailor-made
- References: automotive, rail, aerospace industries



STRUCTURE

Welded-steel rails and structures sized to guarantee rigidity, stability and longevity in intensive industrial environments.



OPERATOR COMFORT

Design focused on accessibility, maintenance and the ergonomics of loading and unloading zones.



PERFORMANCE

Conveying system optimised to ensure smooth flows, steady rates and continuous productivity.



AUTOMATION & CONTROL

Intelligent flow management with automated conveying, motorised switches and adaptation to production constraints.

PARTNER



French expert in industrial overhead conveying, renowned for its tailor-made solutions and complete integration of production lines.

Made in France



Engineering office  
+ manufacturing +  
automation  
integrated (France)



# CONVEYING OVERHEAD MANUAL

Manual overhead conveying solutions designed to optimise part handling throughout the production, surface treatment and painting process.

MAIN FEATURES:

- Loads from 0 to 2,000 kg
- Operating temperature up to 250°C
- Straight rails, curves, switches and retractable rails
- Standard or tailor-made lifting stations
- Side drives and transfer stations
- Manual or motorised multi-track travelling beams
- Low rolling resistance for optimised handling
- Modular bolted design



**SIMPLICITY**  
Scalable structure made of standard elements allowing quick adaptation to production constraints.



**ROBUSTNESS**  
Handling of light to heavy loads up to 2 tonnes with high mechanical reliability.



**FLEXIBILITY**  
Suited to paint lines, shot blasting, assembly, fitting, transfer and storage.



**ERGONOMICS**  
Reduced handling effort thanks to smooth rolling and intuitive load handling.

PARTNER



Manual overhead conveying solutions renowned for their robustness, modularity and ease of integration in industrial environments.

Made in France



Direction changes



Switch



Lifting station



Multi-track transfer carriage

# PART 11 Our support

LINE RETROFIT AND MODIFICATION - INDUSTRIAL TRANSFER -  
MAINTENANCE & SERVICE - SECTORS AND REFERENCES

## LINE RETROFIT AND MODIFICATION

### MODERNISE WHAT EXISTS, EXTEND YOUR INVESTMENT

A well-designed line can last for decades  
– provided you keep it evolving.



#### CONTROLLED INVESTMENT

You build on what exists; the budget goes to what creates value.



#### SHORTER LEAD TIME

A targeted modification is faster than a complete new line.



#### HIGHER THROUGHPUT

More output, less rework, better paint transfer.



#### COMPLIANCE & EFFICIENCY

Safety, environment and energy brought up to today's standards.

#### WHAT WE MODIFY:

- Automation of a manual line
- Booth replacement or addition (liquid / powder)
- Fast colour change, additional colours
- Increased throughput and output
- ATEX, safety and environmental compliance
- Oven / dryer optimisation (energy efficiency)
- Robotisation and COATIFY supervision



# MOVE YOUR LINE WITHOUT LOSING PRODUCTION

Site move or reorganisation: CREDO takes charge of the complete transfer, with a single point of responsibility.

- 1

**Audit & survey on site**

Condition of the equipment, drawings, constraints of the new site.
- 2

**Dismantling & marking**

Systematic labelling of every sub-assembly.
- 3

**Secure transport**

Packaging suited to sensitive equipment.
- 4

**Reassembly & recommissioning**

Connections, acceptance tests, team training.

THE BÉNÉFITS:

- PRODUCTION CONTINUITY**  
A controlled schedule that keeps downtime to the strict minimum.
- SÁFETY & COMPLIANCE**  
Equipment brought up to standard on the new site.
- A SINGLE POINT OF RESPONSIBILITY**  
Dismantling, transport, reassembly and restart, all coordinated.

# YOUR LINE, ALWAYS AT ITS BEST LEVEL

Performance plays out over time: fewer stoppages, stable finish, controlled costs.

WHAT OUR SERVICE COVERS:

- Planned preventive maintenance
- Corrective & emergency call-out within 48 h
- Genuine WAGNER, EUROIMPIANTI, ALM, RENNER, GT SURFACE spare parts
- Remote maintenance & COATIFY supervision 24/7
- Audit & upgrade of existing equipment
- Operator training



SECTORS

THEY COAT METAL,  
WE INTEGRATE THEIR LINE

Whatever the part and the throughput,  
CREDO designs the paint line to match.



AUTOMOTIVE &  
MOBILITY

Body parts and metal  
components, high throughput,  
finish and traceability.



CONSTRUCTION  
FURNITURE

Scaffolding, guardrails,  
profiles, long lengths.



MOBILITY  
LIGHT

Frames, forks, accessories,  
premium finish.



ELECTRICAL  
EQUIPMENT

Electrical cabinets, enclosures,  
transformers, charging points.



METAL  
FURNITURE

Furniture, storage, office,  
workshop equipment.



INDUSTRY &  
SUBCONTRACTING

One-off parts or large series,  
liquid and powder.

THEY TRUST US

DEMANDING  
REFERENCES

We have carried our existing experience over to  
our new structure and earned the trust of our customers.



PROJECT

PROLAC  
SAVOIE

New powder  
coating line

CREDO supported PROLAC SAVOIE in the design, installation and commissioning of a complete powder coating line, matched to its throughput, quality and industrial performance requirements.

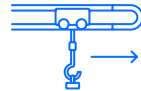


PROJECT KEY POINTS



MANAGEMENT

Site  
management



POWER  
& FREE

mechanical and  
electrical installation  
of the power  
and free  
conveyor



OVENS

Curing  
containment booth



TTS

High-efficiency  
surface  
treatment



PRODUCTION  
START-UP

Start-up and  
skills  
transfer



PROJECT

PAINT SHOP,  
VOLKSWAGEN  
POZNAN

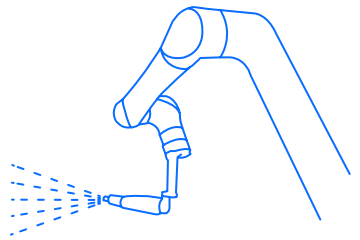
New Clear Coat  
varnish station

Project planning to meet the customer's goals:  
dismantle and restart a new exterior Clear Coat  
varnish station during the plant shutdown.



PROJECT KEY POINTS

De-cabling of the existing installation including 8 old robots. Management of the electrical and pneumatic installation and commissioning support through to production start-up of 6 new robots.



PROJECT

ARCADE  
CYCLE

New powder  
coating line

New paint line for electric  
bicycle manufacturing. We  
installed the powder coating  
booth and carried out the  
commissioning.



PROJECT

SIB  
JOINERY

Wagner powder booth  
integration

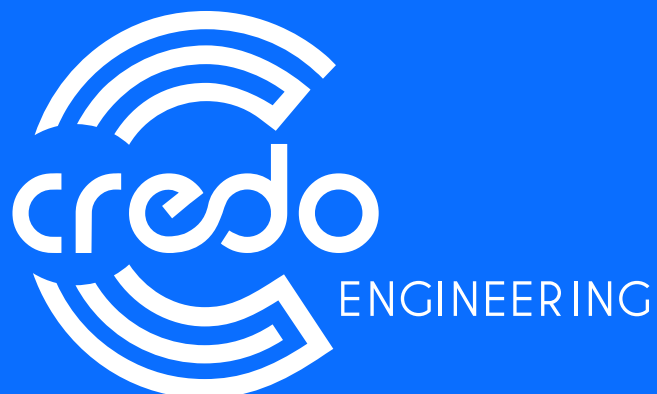
Support for a manufacturer of  
exterior aluminium joinery in the  
Pays de la Loire region (Mortagne-sur-  
Sèvre) in setting up its new  
powder coating line.



INSTALLATION OF A NEW AUTOMATIC BOOTH

- Integration of latest-generation WAGNER equipment
- Automated control for optimised powder application
- Complete integration
- Commissioning
- Start-up assistance and team training





## YOUR PERFORMANCE PARTNER



50 Route du PIDA, Zone du PIDA  
Bât B.13, 38490 Aoste



**+33 4 38 61 25 77**



**contact.fr@credo-engi.com**



**www.credo-engi.com**



**A PARTNER**  
for the long term



**A TEAM**  
that listens to you



**ONE GOAL**  
your performance



**SOLUTIONS**  
tailored to your needs