TIGER Highlights

TIGER Coatings GmbH & Co. KG

A BETTER FINISH. A BETTER PRINT. FOR A BETTER WORLD.

About us.

- **A family business, settled in Austria since 1930**

  - 1200 employees
  - 305 Mi USD sales group in 2016
  - 9 manufacturing centers around the world
    - ✓ Austria
    - ✓ USA
    - ✓ Canada
    - ✓ China
    - ✓ Mexico
    - ✓ Egypt
    - ✓ Vietnam

- **80 years of high capability**

  - **1930** Production of paints and stains starts up
  - **1968** TIGER was one of the first European paint manufacturers to put its weight behind the revolutionary powder coating technology | Start of export activities.
  - **2003** New R&D Center opens at Group HQ´s in Wels, Austria
  - **2012** New product segment TIGER Inkjet® | further expansion,
  - 2017 New BU Wetlack and patent Innovation 3D Metallic

- **Innovative Technological leader**

  - Pionneer in the bonding process to manufacturing metallic and effect powder coatings

Facts & Figures

9 productions worldwide, network in more than 40 countries

3 R&D centers in Europe and Asia

Leading producer of products for surface finishing.

Innovative coating solutions for over 80 years.

Market leader in metallic and special effects and in the Architectural application segment.

Largest stock program.

Certified GSB | QUALICOAT | AAMA | ISO 9001 + 14001

1,300 employees (> 500 in Austria)

Export:> 70% v.U. | R & D:> 5% v.U.

Consolidated Group sales in 2017: € 309 million

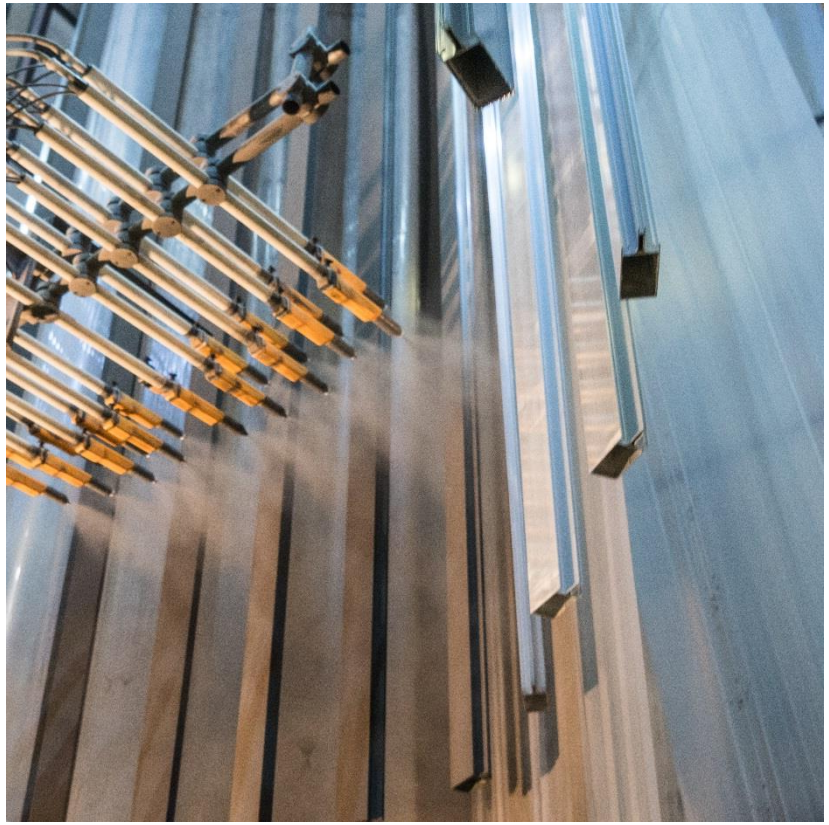
About Tiger France.

- Headquarter based in Lyon Area
- Country Customer service team
- Regional sales & technical representatives team for proximity contact and support

- All standard products on stock (200 tons)
- Stock capability of ~300 tons
- 24 hours delivery time, for any order placed before 3:00 pm

Product Portfolio.


TIGER DRYLAC®
Powder Coatings



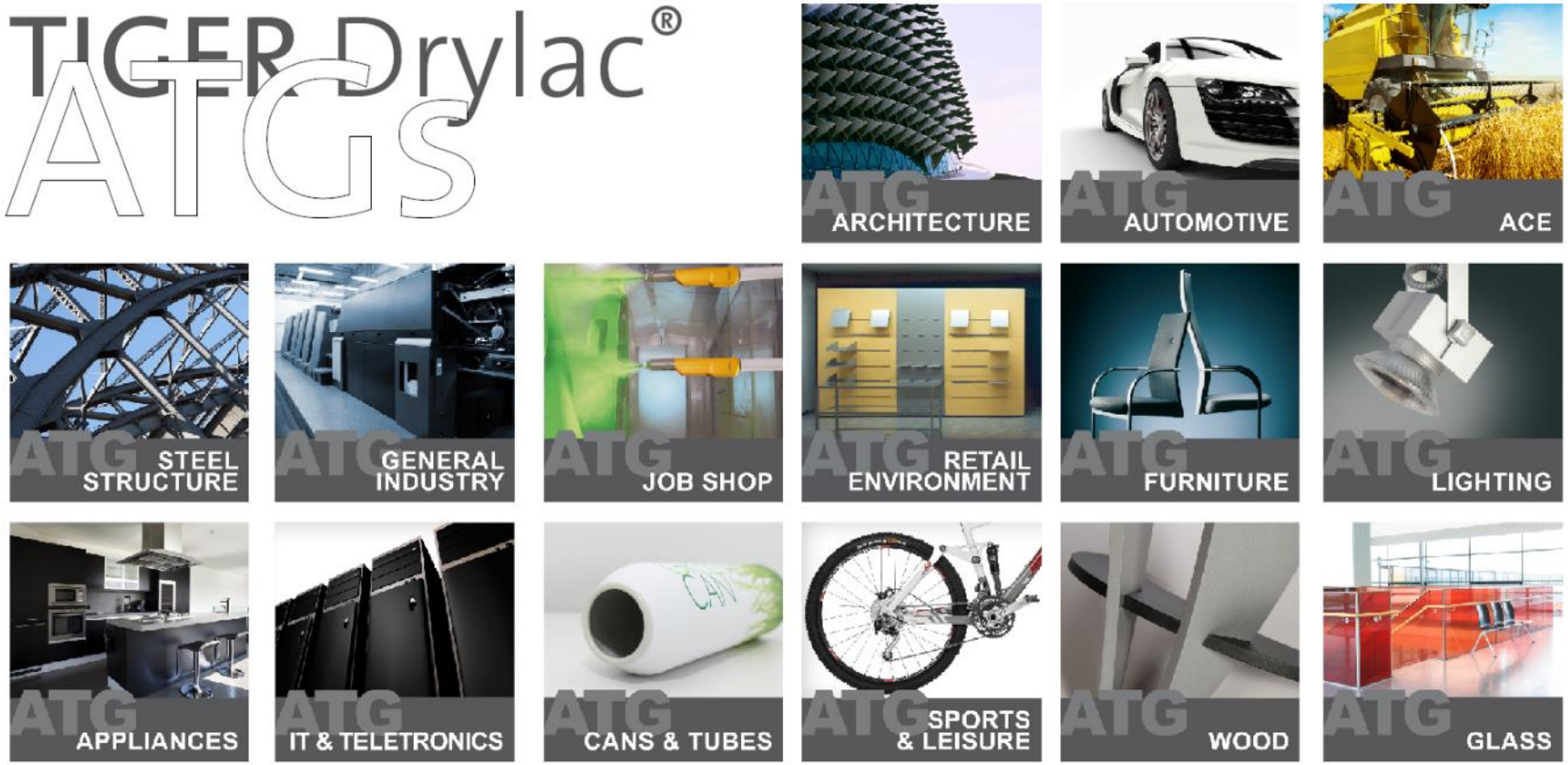
POWDER COATING

Powder coatings are solvent-free enamals that are processed in a 3-step process into a fine coating powder. The powder coating is applied to the part or component by electrostatic spraying equipment or in a tribostatic process. In a subsequent curing process, the powder coating is melted and chemically cross-linked at substrate temperatures of 130°C to 200°C.

The success story of powder coating began with industrial surface finished in the 1960s and continues to develop as the technology has many advantages:

- No solvents
- Virtually 100 % material utilization
- Easy to process and clean
- Applicable on many substrates
- Protection and decoration
- TIGER Coatings offers the most comprehensive standard range of colours and effects

ATGs – Application Target Groups



TIGER Drylac® 3D Metallics : Innovation

TIGER Drylac® 3D Metallics

Standard Bonding (left) vs. TIGER Drylac® 3D Metallics (right)

TIGER Drylac® 3D Metallics

TIGER Drylac® 3D Metallics FAB

Features:

Liquid paint-like 3D effects

Effects visible from all angles of observation

In every gloss and every surface

Designed for facades and weather-resistant applications

Excellent metallic effects

Advantages:

Brilliant and bright effects

Excellent color matching and harmony on the building due to :

- Very good batch consistency
- Minimal / low impact of spraying equiment

Benefits:

New design effects for architects and end users

No impact from different shapes

For multi-coater projects → safe-to-use

Significant increase in customer satisfaction

Considerable reduction of rework on the line

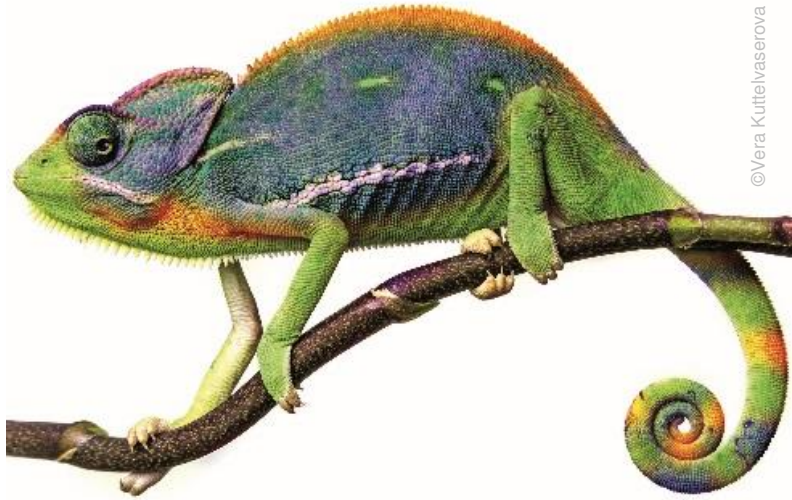
TIGITAL®
Tattoo

TIGITAL® Tattoo – Print comes to Part

TIGITAL® Tattoo combines two worlds – Powder Coating and Digital Printing

- Digital flexibility
- Big Color Gamut
- Fotorealistic reproduction
- Custom made logos
- Incredible mechanical resistance – no worries even when things get rough
- Excellent chemical resistance - Cleaning with aggresive chemicals is not a problem
- Print comes to part
- Low investment

$$E = (HD)^2$$



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PTG DIGITAL POWDER PRINTING

©lassedesignen - stock.adobe.com

TIGITAL® Tattoo – Print comes to Part

Schematic Overview

- 1200 dpi resolution
- Up to 5 Channels

- f=(T, t, P)

Values are material depending

- Infrared, NIR, Convection
- f = (T, t)

Videos:

Tattoo: www.tigital-tattoo.com

TIGITAL® Tattoo

Source: Seriplast

Source: TIGER

Source: GST Dekortechnik

Cuisson IR

Chauffage de panneaux bois ou MDF pour cuire un décor multicolore en poudre.

<u>Four infrarouge avec des émetteurs à haute efficacité et temps de réponse rapide</u>

- Possibilité de chauffer des panneaux instantanément (sans préchauffe du four)
- Régulation de la température du panneau en temps réel
- Temps de cycle rapide ≈ 6 minutes pour cuire un panneau
- Faible consommation énergétique < 1 kWh par panneau (estimation non contractuelle)

<u>Dimensions des panneaux bois à traiter</u>

- Surface 1000x600mm (1200x750 maxi)
- Epaisseur : 10 à 20mm

<u>Cycle de chauffe</u>

- Température initiale : 20°C
- Température finale : de 180 à 200°C réglable
- Temps de montée en température : ≈ 1 minute.
- Temps de maintien ≈ 5 minutes

Puissance installée : 20 à 30 kW (à valider)

Cuisson IR

POSTE 1 : FOUR IRM HAUTE PERFORMANCE 30KW

Four Infra-Rouge Moyen Haute Performance (IRM HP) comprenant:

- 3 radiants IRM HPcéra de 10 kW

o **Chauffage constitué de rubans chauffants Haute Performance fixés sur des plaques céramiques**

▪ Temps de réponse :

 5-10 secondes

▪ Longueur d'onde : infrarouge moyen

▪ Rendement de rayonnement > 90%

o **Puissance : 10 kW sous 230V mono**

PRIX DE BASE **30 000 €. H.T.**

- Four IRM HP 30kW - 400V

+ Coffret avec régulation et 3 zones

- Réception, formation et test chez SOPARA (1 jour)

www.tiger-coatings.com

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