



## Cleantech Forum – *Advanced Materials Session*

April 12, 2016



# Introduction to Jet Metal Technologies

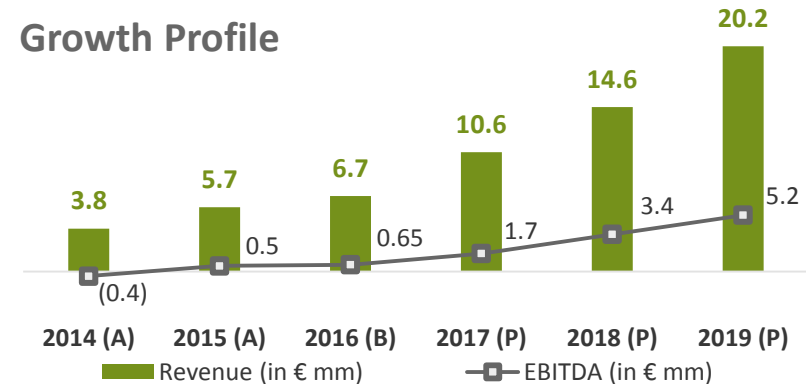
Cost-efficient and environmentally-friendly in-line spray technology for high quality metallisation on a range of substrates (glass, plastic, metal)  
The technology is successfully validated with major customers in spirits and cosmetics.

The company plans to scale and diversify into new verticals:

- **Innovative technology:** Unique spraying metallization technology with high ecological and industrial added values
- **Prestige customers:** Leading brands served in spirits, cosmetics and automotive industries (Absolut, L'Oreal, Jean-Paul Gautier, Johnny Walker...)
- **Full project:** Turnkey project supplying proprietary specialty chemicals, unique metallisation equipment and an innovative process protected by 7 patent families
- **Experienced management:** +40 years of experience in the industry
- **Attractive business model:** “Razor and razor-blades” revenue model where sale of paint lines lock customers into recurring purchases of high-margin chemicals



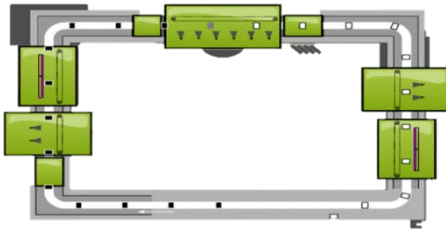
## Growth Profile



# Technology overview

Superior end-to-end solutions in metallisation, built on proprietary technology and know-how

## PROCESS



Efficient process with fewer principal steps and lower staff costs



## EQUIPMENT



Lower capex equipment that works with multiple substrates and requires no vacuum




## CHEMICALS



Customisable specialty formulation for specific effects with lower VOC emissions

## INTEGRATED SYSTEM FOR UNIQUE METALLISATION EFFECTS AND SUPERIOR QUALITY

- 
1. Turn-key system design and delivery tailored to industry-specific needs
  2. High quality metallisation at high volume and low cost on a variety of substrates

# JMT's Serviceable addressable market (SAM)



	Decorative	Automotive	Functional
Growth Drivers	<ul style="list-style-type: none"> <li>Products being differentiated on quality and design Differentiation through innovative aesthetic effects</li> </ul>	<ul style="list-style-type: none"> <li>Need to replace chrome (Cr) electroplating due to its capex and pollution</li> <li>Desire to offer new colored design</li> <li>Need to coat multiple plastic types with the same finish</li> </ul>	<ul style="list-style-type: none"> <li>Need to protect small components in consumer goods</li> <li>Need to add custom properties (e.g. antibacterial / conductive) to a variety of substrates</li> </ul>
Jet Metal advantage	<ul style="list-style-type: none"> <li>Ability to deliver high throughput for small parts</li> <li>Unique selective metallization</li> <li>Single end-to-end supplier</li> </ul>	<ul style="list-style-type: none"> <li>Clean and cost-effective (30% cheaper than chrome-plating)</li> <li>Unique ability to coat multiple plastics</li> </ul>	<ul style="list-style-type: none"> <li>High performance coatings</li> <li>Flexible &amp; multi substrate technology</li> </ul>
SAM (€ bn)	● > 1	● > 2.5	● > 1
Potential for Jet Metal (# of lines)	c.100	c.180	c.100
Market Size (Parts metallised)	>10 bn parts/year	50 Mm <sup>2</sup> /year	n. a.
Annual Growth	5-8%	8-12%	5%

# Jet Metal is developing new products built on proprietary technology

## Selective metallisation : JetSelectiv™



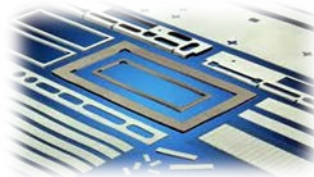
### Key features

- Combine decorative metallization & marking in a one step process
- Cost effective process
- Increase technical specification

### Market benefits

- Cosmetic launch 2016
- High potential in automotive and functional coatings

## Protection from electromagnetic interference: “EMI shielding”



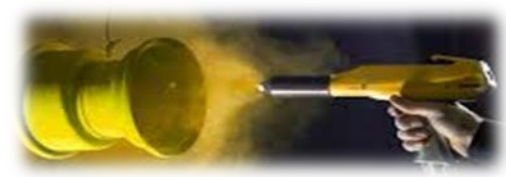
### Key features

- High performance EMI shielding coating (> 65db between 30Mhz to 30Ghz)
- High quality coating
- Multi substrate possibilities

### Market benefits

- High potential due to the huge development of IT technology

## Conductive Primers / Under-layers



### Key features

- High quality conductive primer coating before paint, electroforming or electroplating
- In-house cost effective process
- Multi substrate compatibility

### Market benefits

- High development in automotive, aerospace

