

# FONCTIONNALIZATION

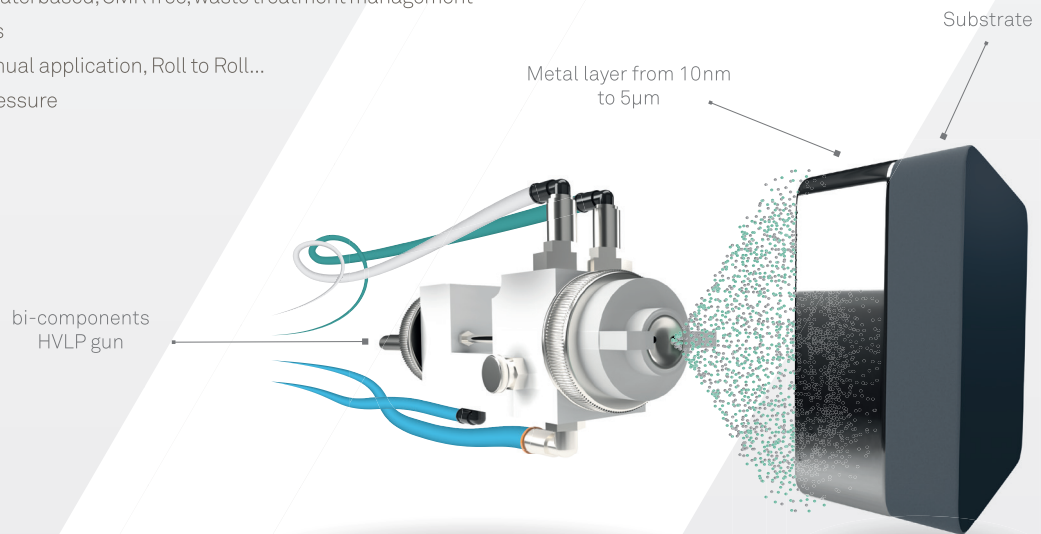
Efficient and flexible metallization solutions.

- EMI SHIELDING
- IR REFLECTIVITY
- ANTENNAS / MICROWAVES
- SMART TEXTILES
- 3D PRINTED METALLIZATION
- JOULE HEATING
- CONDUCTIVE UNDERLAYER
- ANTIMICROBIAL COATINGS



## Metallization technology by spraying

- Metallization of every kind of substrate (Plastic, glass, metal, ceramics,...)
- Eco-friendly process: 100% waterbased, CMR free, waste treatment management
- Flexible/ Easy access process
- Industrialization: In-Line, manual application, Roll to Roll...
- Ambient temperature and pressure
- No curing needed



## Technical Data

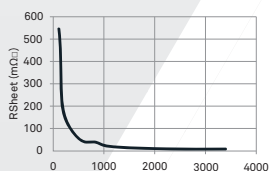
Thickness range :

- 10nm - 5 µm
- Conductive underlayer for electroplating step : 50-250nm

Reflectivity

- Visible : 96%
- Infrared > 97%

Electrical Conductivity



- $2,5 \cdot 10^7 \text{ S.m}^{-1}$
- 50 mOhm / □ with 500nm Ag layer

EMI shielding proprieties

- 70dB between 10Mhz and 10Ghz with a 500nm silver layer.

## Example of an industrial application

Roll to Roll equipment for textile metallization

- EMI shielding on textile (250 Ag layer)

