

PAINTING EQUIPMENT  
**ATIMIX SYSTEM** <sup>®</sup>

[www.atesrl.it](http://www.atesrl.it)



**Perfect finishing  
on  
Powder Painting!**

**Environment - Quality - Savings**



## APPLICATION

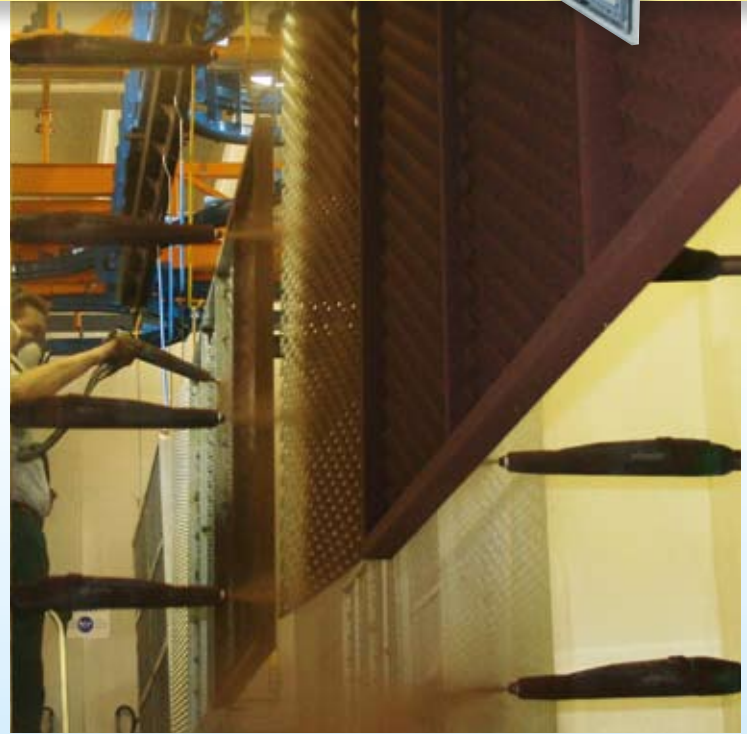
The **ATIMIX SYSTEM** can be used with

- all electrostatic disks and spray guns
- all paints (powder and liquid)
- all manual and automatic systems



## ADVANTAGES

- **SAVINGS OF PAINT**
- **BETTER PENETRATION** into corners (reduction Faraday Cage effect)
- **BETTER THICKNESS UNIFORMITY**
- **ORANGE PEEL REDUCTION**
- **INCREASE SPEED OF RAIL** (thanks to a better penetration)
- **REDUCTION OF EXHAUSTED POWDERS**
- **LESS PAINT DISPERSION**





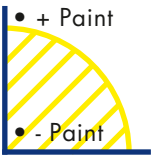
# OPERATION

The **ATIMIX SYSTEM** improves use of electrostatic charge (kV) optimising **transfer** and **deposit** of paint on work pieces

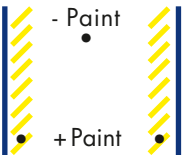


## USING CONVENTIONAL SYSTEMS

Static charge accumulates in 2 areas due to "physics" laws:



1) **CORNERS** = Faraday Cage effect  
= **problems of penetration**  
= LESS paint inside, MORE outside



2) **EDGES** = more charge (and paint) on the edges than in middle of work piece  
= problems thickness uniformity  
= problems orange peel

↗ = Electrostatic charge (kV) • = Paint

NB: increasing the charge (kV) = MORE paint defects!

## SPRAY PARAMETERS WITHOUT ATIMIX

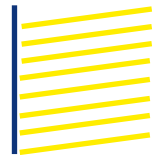
- ELECTROSTATIC CHARGE (kV)
- + TRANSPORT AIR
- + PAINT USED

## USING ATIMIX SYSTEM

**ATIMIX** reduces charge "accumulations" in 2 areas of the work piece:



1) **CORNERS** = Faraday Cage reduction  
= **MORE penetration** with LESS violence  
= (LESS air / LESS paint)

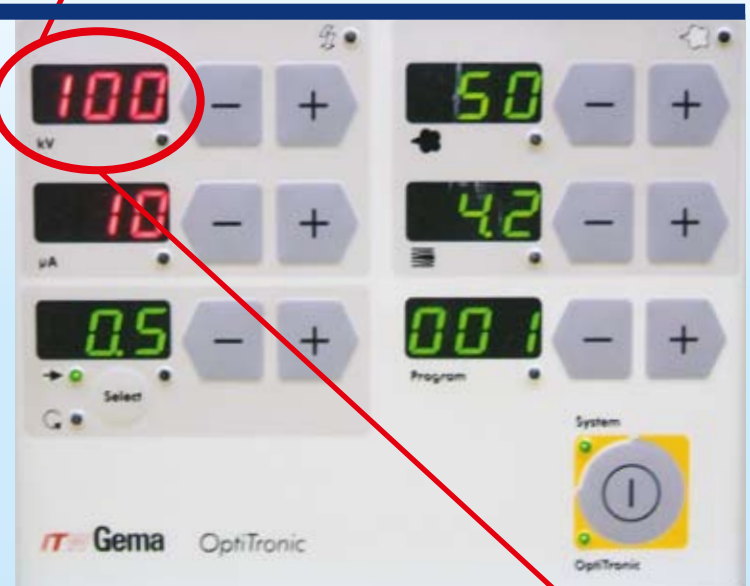


2) **EDGES**  
= **better delivery of charge** (and paint) on the work piece  
= **better thickness uniformity**  
= **orange peel reduction**

ATIMIX manages charge (and paint) on the work piece!

## NEW SPRAY PARAMETERS WITH ATIMIX

- + **ELECTROSTATIC CHARGE (kV)**
- TRANSPORT AIR
- PAINT USED



**FULL USE OF kV!**

PAINTING EQUIPMENT

# ATIMIX SYSTEM<sup>®</sup>

**Special Powder Paints**



**ATE srl**

Via La Valle, 76 - ITALY

22066 Mariano Comense (CO)

TEL: +39 031 6879300

FAX: +39 031 6879306

info@atesrl.it

[www.atesrl.it](http://www.atesrl.it)

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