



Optimization of the painting process

**Minimize coating defects and significantly improve transfer efficiency**



**10-30%**  
Paint Saving



**20-50%**  
Time Saving



**10-50%**  
Less VOC Emissions



**100%**  
Quality



## ABOUT US

**Kromavis is an Italian based company with subsidiaries in Turkey and Czech Republic. Our core team of paint experts has from 5 to 30 years of background in coating and painting.**

Kromavis has developed a specific know-how for the use of nitrogen-enriched air in the painting process. The technology fits any kind of process: pneumatic, electrostatic and rotary bells. Nitrogen directly replaces compressed air and is used as the main source of fluid carrier, nitrogen is produced onsite by our machine. We can optimize your process through the evaluation of standard production parameters and settings reprogramming.

Regardless of the type of application or technology involved, wherever compressed air is used we can optimize the customer's process. Over the past years Kromavis experts have installed nitrogen technologies for various customers from body shop to automotive companies, applying to different sectors and materials, from wood to plastic, aluminum profiles, leather, etc.

Our products always improve customer's productivity guaranteeing financial, environmental and timing savings. Our customers consistently choose this solution to improve product quality and add value to their offerings.

## Be good to the world via innovating environmentally friendly, low cost, high quality painting processes!



**10-30%**  
Paint Saving

Our system decreases working air pressure up to 40%, due to the high velocity spray pattern of nitrogen as a carrier. This reduces overspray and creates up to 30% savings in paint consumption and warrants a less than 1 year return on investment.



**20-50%**  
Time Saving

Elimination of waiting time and application time reduction in spray painting, increased line speed and quicker color change in powder coating are just some of the features that guarantee an overall time saving.



**10-50%**  
Less VOC Emissions

Improved working conditions with cleaner booths, substantial reduction of solvent use (up to 50%), hence VOC emissions, guarantee an environmentally friendly painting process and environmental certificate access.



**100%**  
Quality

Removal of surface moisture, reduction of orange peel, painting defects and coating failures, improvement of color matching, total control of delivery and overall increased transfer efficiency.

## PRODUCT

**Nitrowise is an innovative spray painting which substitutes compressed air with nitrogen produced on site.**

The implementation of the technology is discreet and the installation is quick. Through a connection to the main line compressed air the machine it's ready to work. The use of ionized nitrogen enriched air kept at constant temperature, gives stability to the painting process which allows for improved control of process variables.



### Selective Permeation

A special membrane increases purity of concentration to  $97\% \pm 2$  nitrogen, neutralizing any moisture in the carrier fluid.

### Industry 4.0

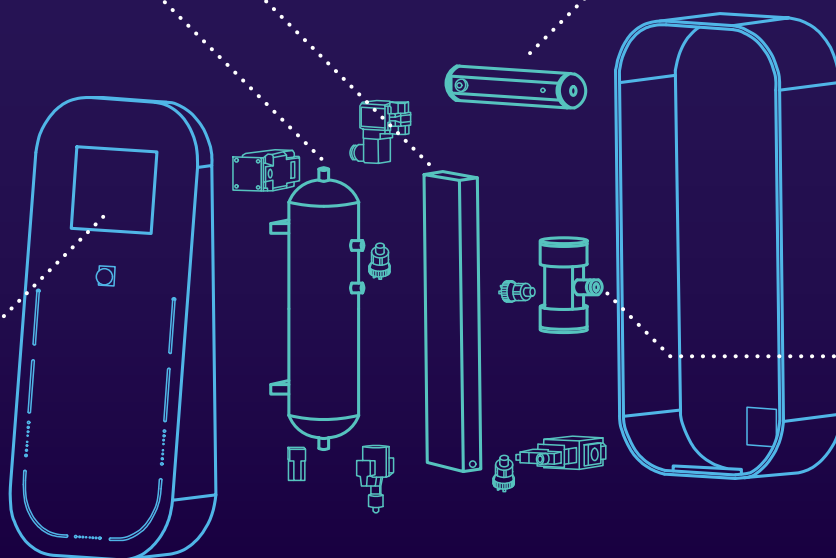
Always connected.

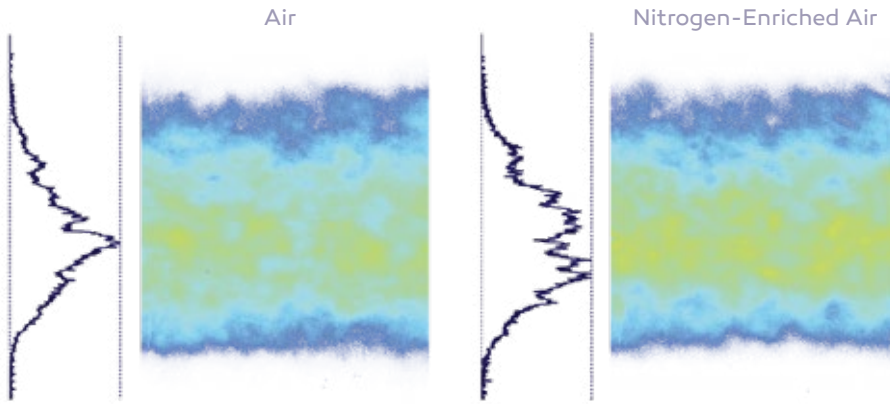
### Temperature Control

Heating and cooling inert and anhydrous gas from  $0$  to  $80^{\circ}$  means reduction of time of application and drop in the solvent use

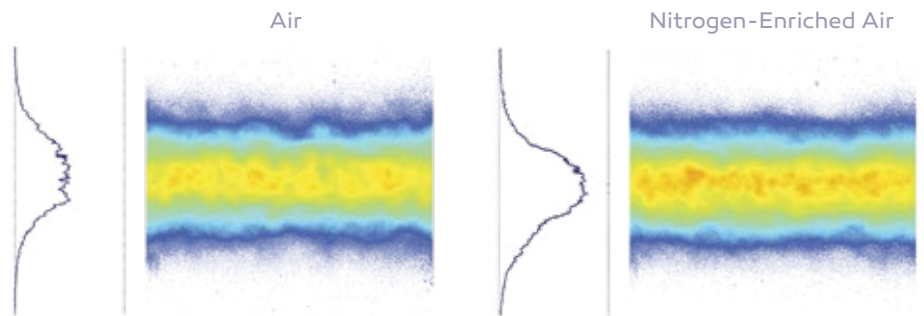
### Ionization

Ionization allows for charging of the nitrogen flow (either positive or negative charge depending on the surface)  $\pm 20\text{kV}$  improving transferability.





## Better transfer efficiency Standardization of application Higher thicknesses



### Kromavis S.R.L.

Via Cinque Giornate 76/c  
22012  
Cernobbio (CO)

ITALY

+39 339 7759027

### Kromavis Teknoloji A.Ş.

Mahmutbey Mah. Taşocağı Yolu Cad.  
No:19/3 Balance Güneşli D Blok  
Bağcılar 34212, İstanbul

TURKEY

+90 534 647 1532

### NS Coating Tech. S.R.O.

Jeremenkova 9,  
Office 208, 74242  
Šenov u Nového Jičína

CZECH REPUBLIC

+420 720 574778



info@kromavis.com

[www.kromavis.com](http://www.kromavis.com)