



ionics
surface technologies

PLASMA & ION IMPLANTATION SOLUTIONS

Innovative surface technologies

Jobcoating

Equipment supplier

Training

Tailored and innovative solutions

plameco  ionLAB  ionPOWDER  ionPRO  ionGUN  ionR2R 

ionGUN

Industrial ion implantation technology for surface enhanced performances

Benefits

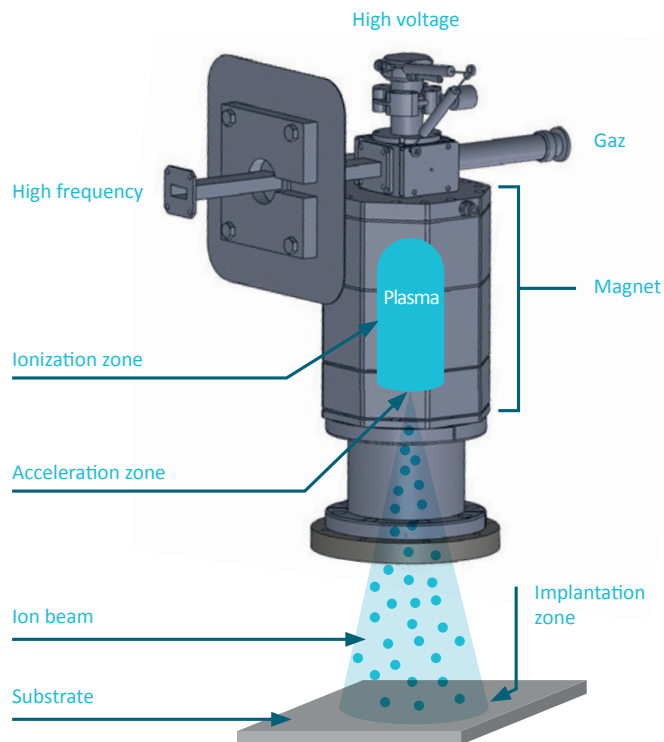
- ▲ Physical cold processes
- ▲ Enhance surface properties without any coatings
- ▲ One technology for any materials
- ▲ No dimensional/textur modification
- ▲ Environment friendly process
- ▲ Cheap operating costs

Features

- ▲ Localised surface treatment Ø 100 mm
- ▲ Surface modification up to 200 nm deep
- ▲ Compact and robust design for industrial requirements
- ▲ Plug and play system on low pressure chamber
- ▲ Any gas can be used: Ar, He, N₂, O₂, SiH₄ and mixtures

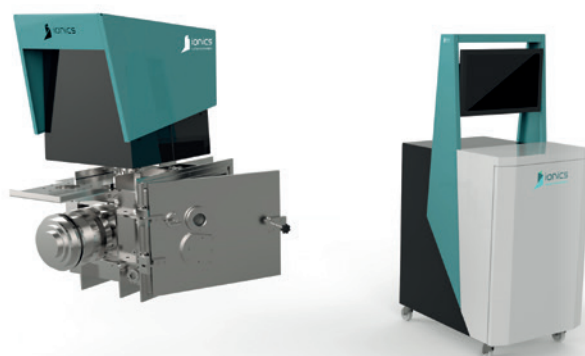
TECHNICAL DATA

High frequency power supply	10GHz / 50W
High voltage power supply	Power: up to 600W Extraction voltage: up to 40 kV Ion current: up to 15 mA
Vacuum chamber level	Below 3.10 ⁻⁶ mbar
Water cooling system	yes



Options

- ▲ Charges neutralizer for insulating materials
- ▲ Additional pumping unit
- ▲ Full automated and integrated systems on demand



IONICS equips the following machines with the ionGUN technology: ionLAB, ionPRO, ionR2R and ionPOWDER.

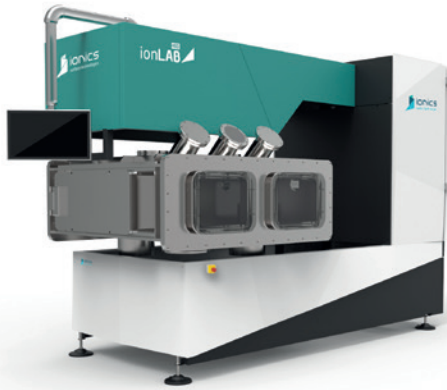
plameco

Low-pressure plasma PVD coater for powders, fibers and loose parts



ionLAB⁴⁰⁰

Low-pressure system equipped with ion implantation and plasma PVD technologies for wires, powders, or flat and 3D parts treatment



ionPOWDER¹⁰⁰

Low-pressure system equipped with ion implantation technologies dedicated to the treatment of powders and loose parts



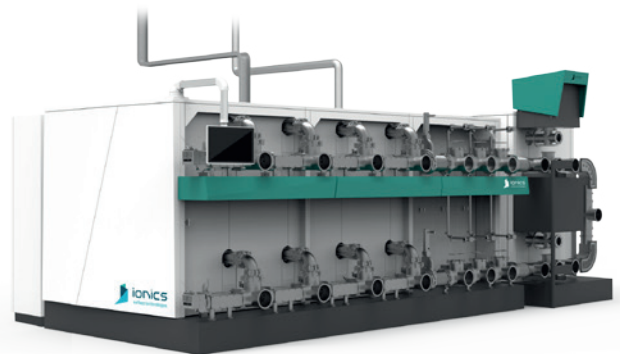
ionLAB¹⁰⁰

Versatile low-pressure system equipped with ion implantation and plasma PVD technologies for flat parts and powders treatment



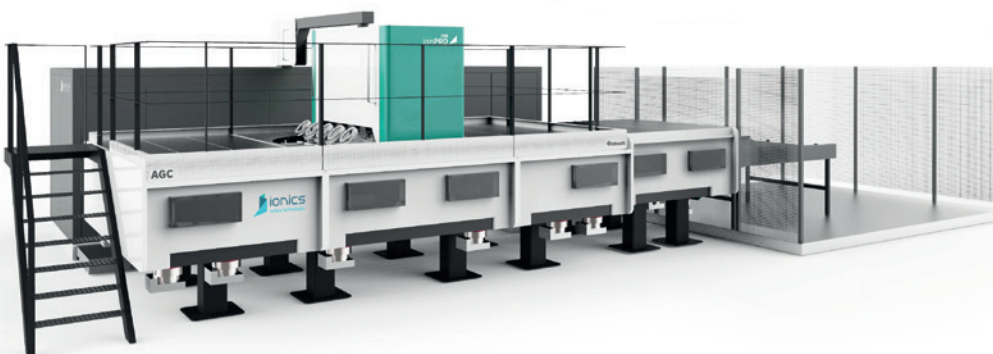
ionR2R⁹⁰

Continuous low-pressure system equipped with ion implantation dedicated to the treatment of reels and wires



ionPRO¹⁸⁰⁰

Ion implantation industrial line dedicated to the treatment of large surfaces



SMART surfaces

IONICS develops and supplies new surface technologies for metal, glass and other substrates: plasma, ion implantation and electroplating treatment. Our customers capitalize on our innovative technologies and responsive service. Our product portfolio finds use in various industries: automotive, architecture, household appliances, telecommunication, electronics, life science,...

Our vision is to be a leading company in functionalized surface treatments, enabling our customers to explore new product applications by using our smart surface solutions and technologies.

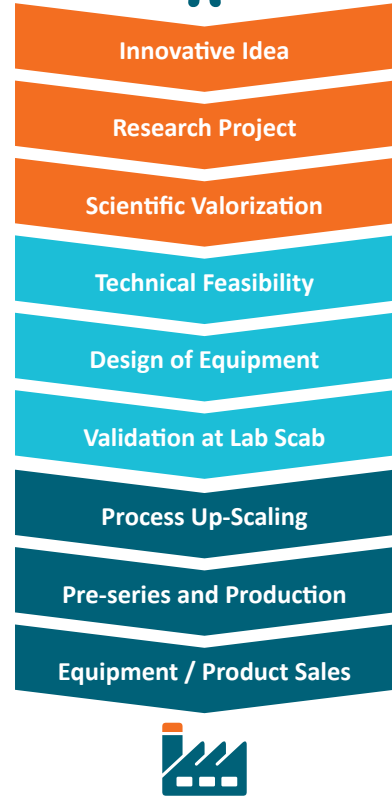
Our values are integrity, cultural diversity and respect for the environment. We are committed to excellence, innovation, service and delivering tomorrow's answers today.

IONICS is certified ISO 9001.

From the idea to the industrialization



people
300



Partners



The European regional development fund and the Walloon Region invest in your future.



LE FONDS EUROPÉEN DE DÉVELOPPEMENT RÉGIONAL ET LA WALLONIE INVESTISSENT DANS VOTRE AVENIR.

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