



PLASMA & ION IMPLANTATION SOLUTIONS

Innovative surface technologies

Tailored and innovative solutions

Training

Jobcoating

Equipment supplier

plameco

ionLAB⁴⁰⁰

ionPOWDER¹⁰⁰

ionPRO¹⁸⁰⁰

ionGUN

ionGUN

Industrial ion implantation technology for surface enhanced performances

Benefits

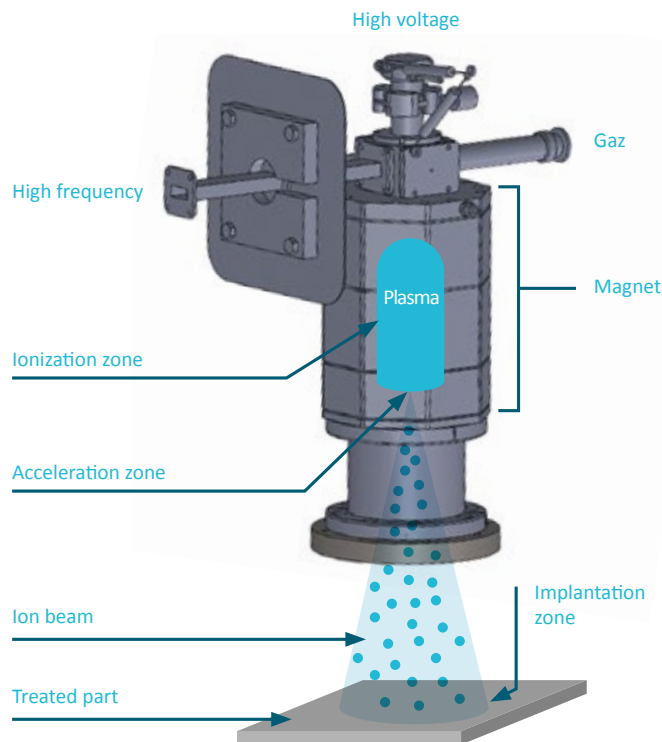
- ▲ Physical cold processes
- ▲ Enhance surface properties without any coatings
- ▲ One technology for any materials
- ▲ No dimensional modification
- ▲ Environment friendly process
- ▲ Cheap operating costs

Features

- ▲ Localised surface treatment \varnothing 100 mm
- ▲ Surface modification up to 5 μ m
- ▲ Compact and robust design for industrial requirements
- ▲ Plug and play system on low pressure chamber
- ▲ Any gases: Ar, He, N₂, O₂, SiH₄

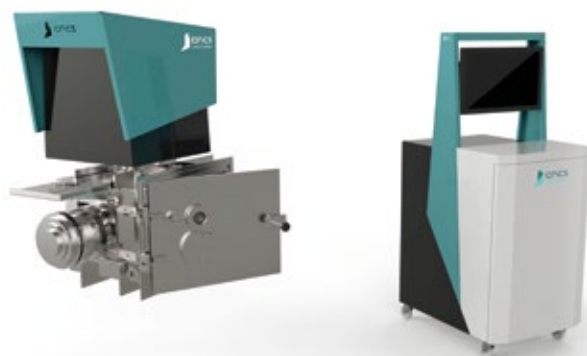
TECHNICAL DATA

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
Gas flow	From 10 to 200 μ ln/min
Vaccum chamber level	Below 3e ⁻⁶ mBar
Connection	160 \varnothing flange
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 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 flat or 3D parts treatment



ionPOWDER¹⁰⁰

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

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, nanocoatings 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.

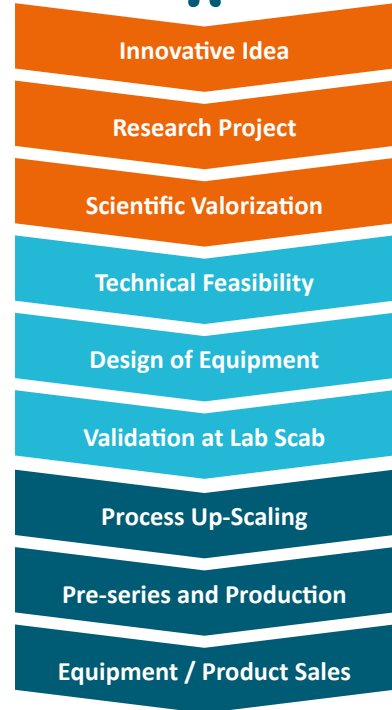
IONICS is certified ISO 9001 and IATF 16949.

Partners



From the idea to the industrialization

people
300



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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.