

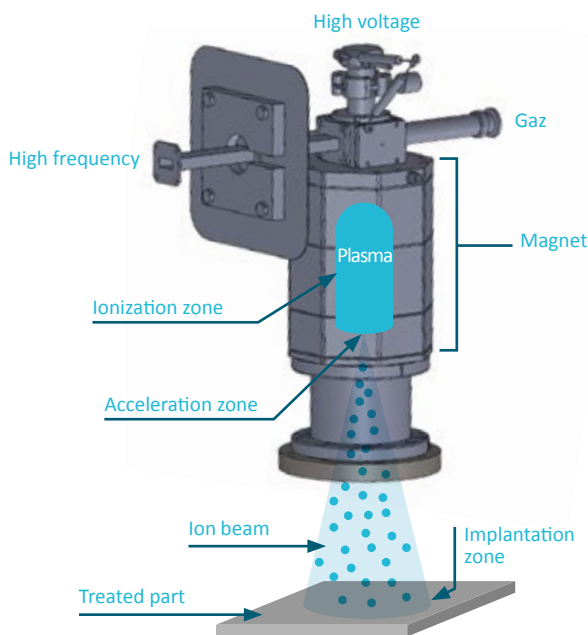
ionGUN

ion implantation technology

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

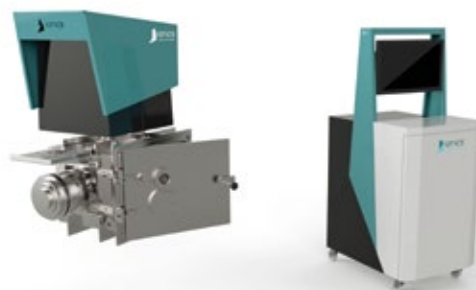
- ▲ Localised surface treatment Ø 100 mm
- ▲ Surface modification up to 200 nm
- ▲ Compact and robust design for industrial requirements
- ▲ Plug and play system on low pressure chamber
- ▲ Any gases: Ar, He, N₂, O₂, SiH₄

Options

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

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 µln/min
Vaccum chamber level	Below 3e ⁻⁶ mBar
Connection	160 Ø flange
Water cooling system	yes



Fully automated with external control desk



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