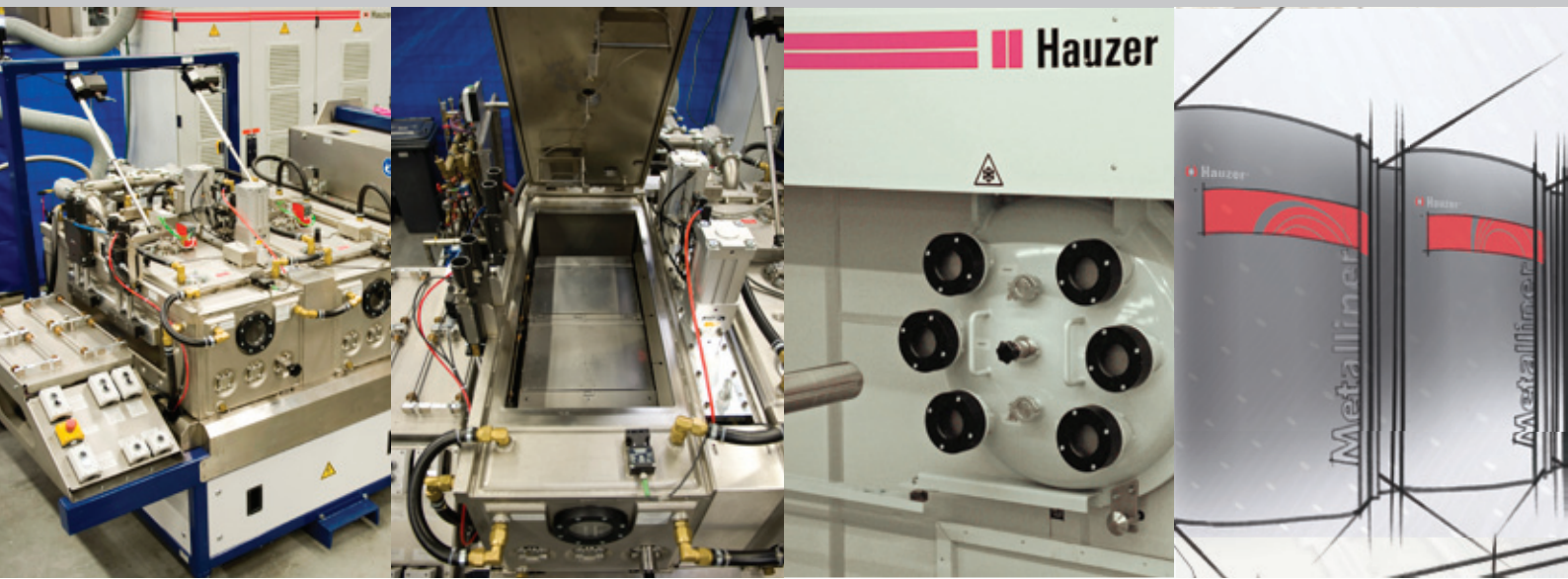


Technology & Equipment Innovative Plasma Coating Concepts



Advantages:

- More than 25 years of expertise in plasma coating
- Qualified engineers to design and build vacuum coating equipment
- Successful international cooperation with companies and institutes
- Creative thinking for innovative results
- Focus on lowest coating costs
- 24/7 operation in demanding high volume series production
- Worldwide presence and customer support

Profitable Partnership for Eager Application Experts



With more than 25 years of experience in developing technology and building equipment for all kinds of plasma coating processes in vacuum environments, Hauzer is the ideal partner for companies with new application ideas. In the last few decades Physical Vapour Deposition (PVD) coating has made a market for itself by adding functional and decorative features to products such as precision tools, engine components, consumer products, architectonic glass, solar cells, optical elements, packaging, medical instruments and semiconductors. These products and many more have all profited from the surface improvement achieved by PVD coatings. Because the technology is relatively young, other markets will follow. With firm roots in equipment and technologies for PVD hard coatings, Hauzer is an excellent partner to share knowledge and experience of plasma coatings in the broadest sense with companies eager to seize opportunities in any market.

Flexible Equipment

PVD coatings can be produced in many different ways. Whether it is a batch process, semi-batch or inline, Hauzer offers specifically designed solutions. Hauzer's engineers have sharpened their creativity in many innovative concepts,

building prototypes as well as full scale production machines (operated 24/7) in many types and sizes. The products coated vary from bulk materials to very large substrates and anything in between. Substrate materials vary from metals to plastics and glass in any shape. Hauzer machines are well-known for their flexibility. Different coating technologies can be combined in one system for tailor-made functions.

Due to Hauzer's large experience with vacuum technology and coating applications, new solutions for almost any plasma coating challenge will be found and will result in industrially viable machines and efficient production.

Available Plasma Coating Technologies:

- Rectangular and circular arc evaporation
- Advanced controlled arc
- Filtered arc
- Laser arc
- Balanced magnetron sputtering (DC, pulsed DC, RF)
- Unbalanced magnetron sputtering (DC, pulsed DC, RF)
- ABS® (Arc Bond Sputter)
- Closed field magnetron sputtering
- Dual magnetron sputtering
- T-Mode for reactive (oxide) sputtering
- High Power Impulse Magnetron Sputtering (HIPIMS and HIPIMS⁺)
- Plasma Assisted Chemical Vapour Deposition (PACVD)
- Ion beam assisted deposition
- Plasma treatment
- Nitrocoat Duplex Treatment (nitriding and PVD coating)
- Microwave

Or any combination of these technologies.

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