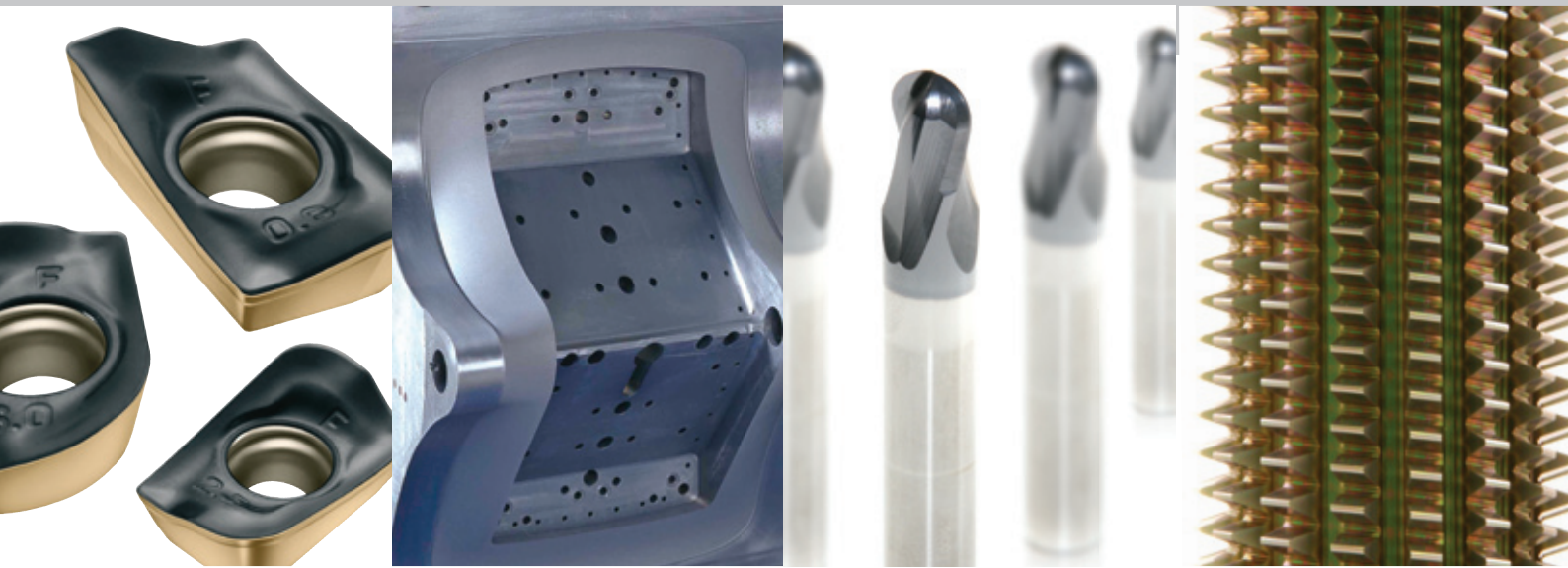


Tool Coatings

Longer Tool Life & Better Performance



Applications:

- Cutting
- Forming
- Punching
- Moulding

Advantages:

- Increased tool lifetime
- Improved workpiece quality
- Higher productivity

Job Coaters and Tool Makers

Cutting Tools

PVD (Physical Vapour Deposition) coatings are applied on cutting tools to extend the lifespan of the tools many times over. The choice of coating is depending on the kind of tool and its use. With more than 25 years of experience, Hauzer will offer expert advice to choose the most effective coatings for your purpose, such as TiN, TiCN, AlTiN, CrN, AlCrN, TiSiN coatings or special layers such as Al₂O₃. A full range of excellent functional tool coatings is available on the equipment Hauzer supplies.

Forming, Punching, Moulding

The requirements of coatings on forming tools and moulds are different from those on cutting tools. Hardness is still important, but forming tool coatings also need to be smooth, anti-sticking and corrosion-resistant. For this purpose, Hauzer has developed a range of outstanding coatings, such as TiN, AlTiN, CrN, Al₂O₃ or Diamond Like Carbon (DLC) coatings, all available on the Hauzer systems.

Robust Equipment

Hauzer's equipment is low in maintenance requirements, reliable in making reproducible coatings and stable in its processes. The Flexicoat® 850 Rapid Tool Coater for example is a robust production machine, offering a combination of fast cycle times and high up-time with an excellent return on investment. The Flexicoat® systems guarantee optimum flexibility. More processes can be combined in one machine; e.g. PVD technology together with PACVD (Plasma Assisted Chemical Vapour Deposition), Nitrocoat Duplex Treatment, Dual Magnetron Sputtering (DMS) or High Power Impulse Magnetron Sputtering (HIPIMS⁺). Upgrading with new technologies is always possible.

Turn Key Solution

Apart from the coating equipment, Hauzer is also your partner for supply of all peripheral equipment, such as cleaning, pre/post treatment and quality control. All machines and processes will be well-tuned to your specific needs. The result is a complete coating centre that can immediately be put to profitable use.

Proven Partner in Tool Coating

Hauzer is a reliable partner to every business involved in tool coatings. Whether you are a job coater just starting out or an experienced tool maker, Hauzer offers coating solutions that fit your specific need. With Competence Centres in The Netherlands, China and Japan, and a broad sales network to complete a strong worldwide presence, customer support is local and accessible.

HIPIMS⁺
BY HAUZER

Available Technologies

- PVD Technology (Physical Vapour Deposition):
 - Arc Evaporation
 - Sputter Technology - including Unbalanced Magnetron Sputtering (UBM), Dual Magnetron Sputtering (DMS), High Power Impulse Magnetron Sputtering (HIPIMS⁺)
- PACVD Technology (Plasma Assisted Chemical Vapour Deposition)
- Nitrocoat Duplex Treatment



Flexicoat® 850 RTC



Flexicoat® 1000/1200

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