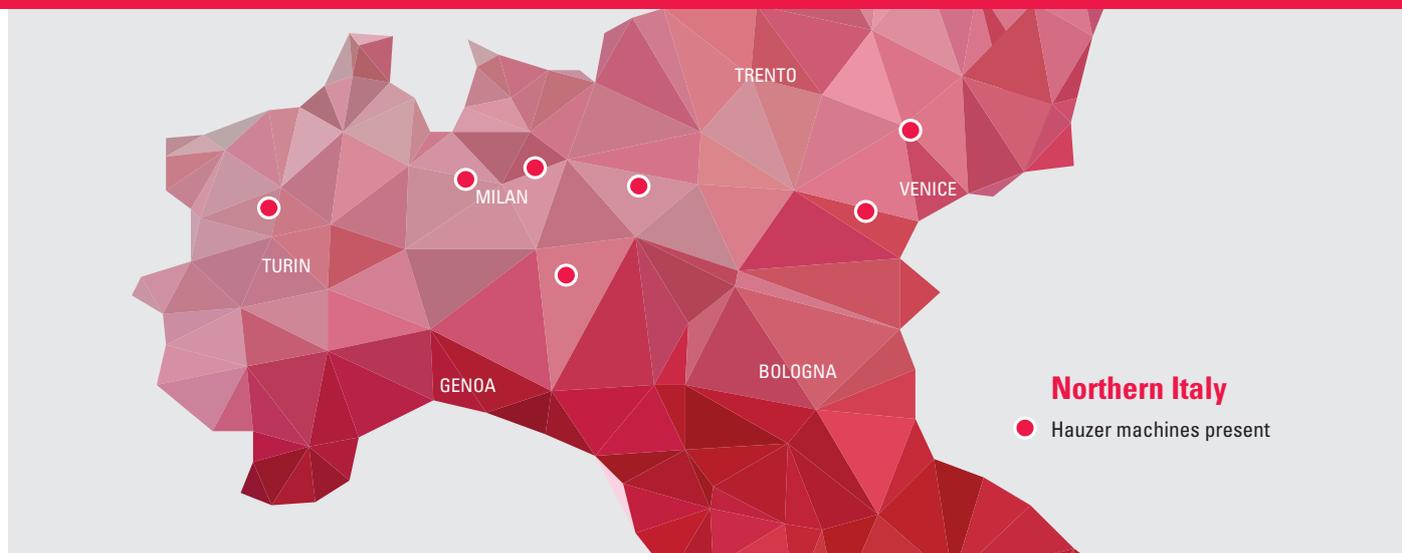


Hauzer Technology in Northern Italy

Italian SMEs Invest in Innovation

In Europe every country has its own characteristics when it comes to business and economic strategy. But one thing most European countries have in common; a huge share of the economy is built on small and medium-sized enterprises (SME). In Northern Italy SMEs are investing in innovation again, a good sign for future prosperity.



A report by several financial institutes called 'SME Investment and Innovation 2015 France, Germany, Italy and Spain' states that "Europe's economy relies on SMEs to achieve its potential: 98 out of every 100 businesses are SMEs and they employ the majority of the workforce." Not a mean feat and often overlooked when large companies dominate the headlines. The report continues: "From a macroeconomic perspective, investment is important, particularly in innovations. They foster technological change and lead to improved resource efficiency, which in turn increases labour productivity and income per capita. In industrialized countries innovations are the key drivers of sustainable economic growth and the only way to achieve higher welfare and create better living conditions in the long run."

Sharpening Gears

SMEs in Northern Italy definitely do invest in innovation.

Giovanni Chinaglia, part owner of miniToolsCoating in Padova near Venice, says: "Our recent investment in equipment is purely because of growth. We still use our other PVD machines for the existing business and we will develop new business with the Hauzer machine. Our main market is gear manufacturers. Our reconditioning service is well known in the north of Italy, we regrind and recoat almost all types of gear cutting tools, mainly HSS and carbide hobs and shaper cutters. As more and more customers ask a really high performance from their gear cutting tools, we decided to develop a new coating for hobs and shapers. Hauzer Flexicoat® 850 became our next investment. We also serve many customers related to mould and die industries, like die casting or sheet metal stamping, and we believe that the possibility to run different coatings in the same batch is a huge advantage for these applications. Additionally our company is producing bevel gear cutting tools, a real niche

market that needs specialist knowledge which we can provide. We are selling them worldwide.”

Personalize Coatings

“We took a long time, three years, to decide which PVD coating machine we would choose. We tested many different machines. Repeatedly the coatings from the Hauzer Flexicoat® 850 gave the best performance, in addition with a great reliability of performance. Moreover, we received good cooperation to develop our new coating for hobs. We have a very modern factory, including new 3D-measuring equipment for the cutting edge inspection. Our job is not only the coating itself, but everything that leads to a top level performance of the tools. Hauzer technology is a powerful new instrument to increase our market share.”

Machine Family

CRT is job coater located in Nerviano, near Milan and in Nervesa della Battaglia, near Venice. Federico Lanzoni, technical and process engineering manager, says: “Our main business is the coating of shaft tools, hobs, broaches and gears, but in particular die casting tools and moulds and plastic injection moulding. All of these tools need a different approach, a particular coating. Therefore, we have a whole range of Hauzer PVD coating machines. Flexibility is key for us and we can develop our own recipes in these machines with support from Hauzer. I like the fact that we can learn from each other, a two-way communication.”

Italian Mould Makers

“The Hauzer Flexicoat® 1200 we have now added, is a hybrid machine. We can use CARC+ technology, which gives us a smooth arc coating combined with unbalanced magnetron sputtering. We can apply these together in one layer, so that arc will provide the excellent adhesion and sputter the extra smoothness. We have developed a specific coating for die casting with this configuration. For us it is a plus that we can use our recipes on various machines. They are just different in size, but the reproducibility is excellent. CARC+ gives us an increase in quality coatings and within CRT we have the possibility to integrate this technology with our vacuum hardening department. Northern Italy is a good mould making region. Recently I was at a foreign fair and all mould makers were Italian. We can be proud of that; they use CRT products in a worldwide market!”

Best Quality, Competitive Price

UFS, taps producer located close to Turin is another of those SMEs that invested in innovative technology. Stefano Doglietto, production director and owner of the company, says: “We have a young team and we did a lot of trials and tests in our own lab before deciding which machine to buy. The coatings we use most often are TiN, TiCN and TiAlN and we develop new varieties of coatings together with Hauzer. We are very happy that we found a machine that provides the best quality together with a competitive machine price.”

Machine Family for Tool Coatings



Hauzer Flexicoat® 850

Load diameter: 500 x 500 mm
Load mass: 600 kg
Most popular application:
fast cycle cutting tools



Hauzer Flexicoat® 1200

Load diameter: 650 x 850 mm
Load mass: 500 kg
Most popular application: medium
sized moulds, dies and broaches



Hauzer Flexicoat® 1000

Load diameter: 650 x 650 mm
Load mass: 500 kg
Most popular application:
high volume cutting tools



Hauzer Flexicoat® 1500

Load diameter: 900 x 1500 mm
Load mass: 1200 kg
Most popular application: large
moulds, dies and broaches