



GROUP



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Vergnano and Vebro, with two production plants in Northern Italy, in the province of Turin, are **leaders in the tool market, in the sectors of tapping, gear cutting and broaching**: now historic companies, with a family footprint, but with an international structure.

Aware of the needs of a constantly evolving sector, they have constantly invested in **new and modern technologies**, systematically renewing the fleet and range of their products.

Particular attention is paid to the environment and safety in the workplace: processes, technolo-



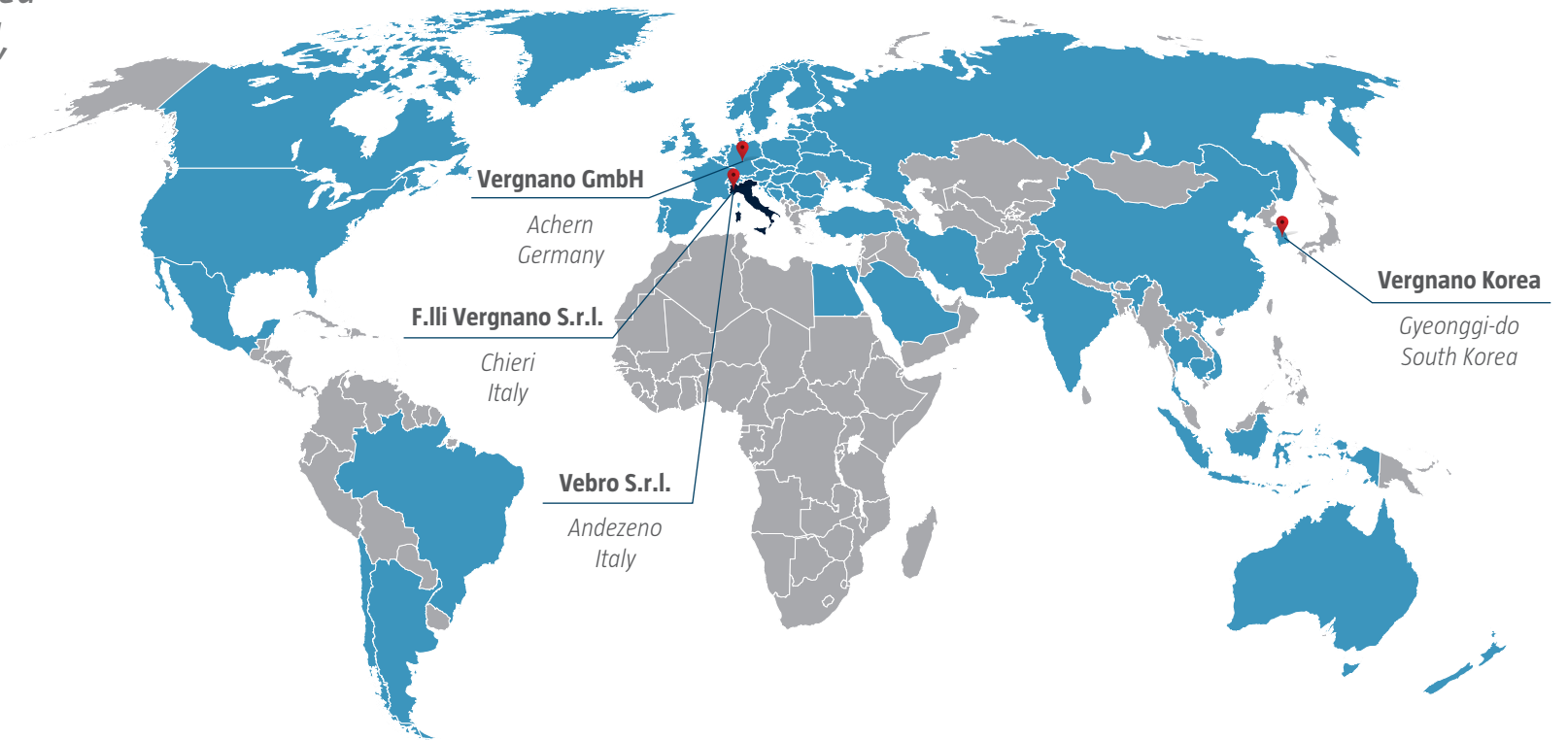
gies and products are considered always keeping the environmental compatibility in mind.

Thanks to a **widespread commercial network of partners distributed throughout the world**, from Europe to Asia and the Americas, Vergnano and Vebro count among their clients the most important companies in sectors such as automotive, aerospace, eolic, bolts, machine tools and mechanical components in general.

Vergnano and Vebro are certified according to the **UNI EN ISO 9001: 2015 quality assurance system**.



*Sales network of partners distributed all over the world, from Europe to Asia to the Americas.*



Customers among the most important companies in the automotive, aerospace, eolic, bolts, machine tools and mechanical components industries choose our products.





Vergnano produces standard and special thread taps, hobs in HSS and hard metal, end mills and threading dies.

Today the company, technologically advanced, counts on a staff of about 170 employees: each phase of the production cycle is carried out in-house, including heat treatments and final coatings.

The PVD coating department of Vergnano tools utilizes the most modern and advanced technology in the industry, guaranteeing quality, repeatability and very high performance.

## TAPS

Standard and special taps, for chip removal and rolling machines, both in HSS and in hard metal.

The range of standard taps is divided into four groups, differentiated by different levels of performance and application:

**Series A:** standard taps for general applications

**Series P:** taps for high performance and productivity

**Series S:** synchro taps for CNC machines with synchronized / rigid tapping and high cutting speeds

**Series H:** integral hard metal taps.

## HOBS

Hobs, in HSS and hard metal for:

- cylindrical gears
- roller chain sprockets
- timing pulleys
- splines and serrations
- power take-off
- special profiles

With bore and shank type, tandem hobs, a Multi gash hobs, skiving hobs.

Modules from 0,5 to 24; diameters up to 260 mm; length up to 320 mm (with bore) and length 500 mm (shank).

## RESHARPENING AND RECOATING

Vergnano offers its clients the resharpener and recoating service.

The advantage of entrusting this service to an equipped hobs manufacturer, with all the process in-house is evident: the re-sharpener and the subsequent coating are performed by specialized personnel adopting optimized cycles according to the customer's needs, obtaining as a final result of a tool as good as new.

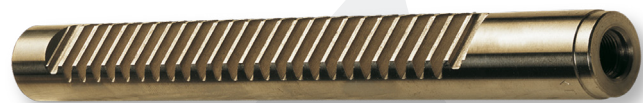
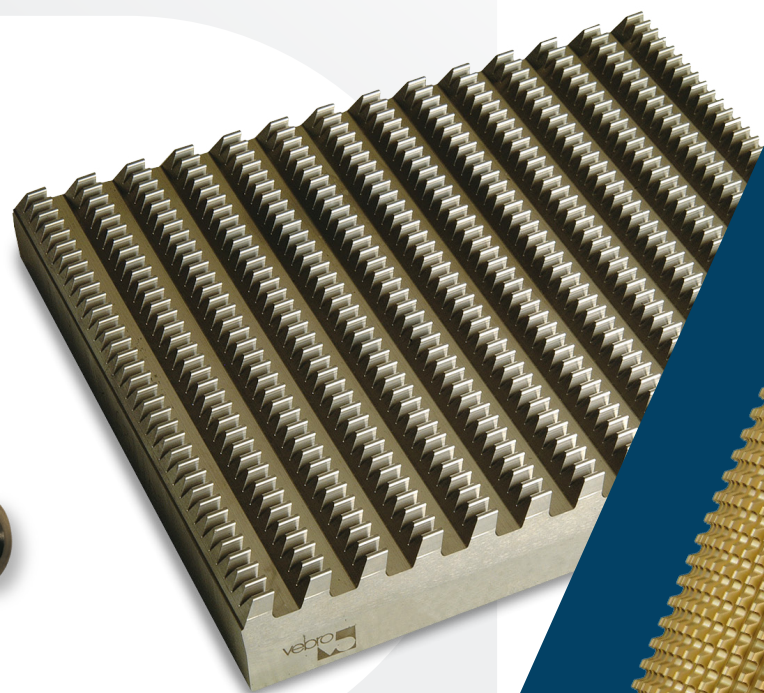
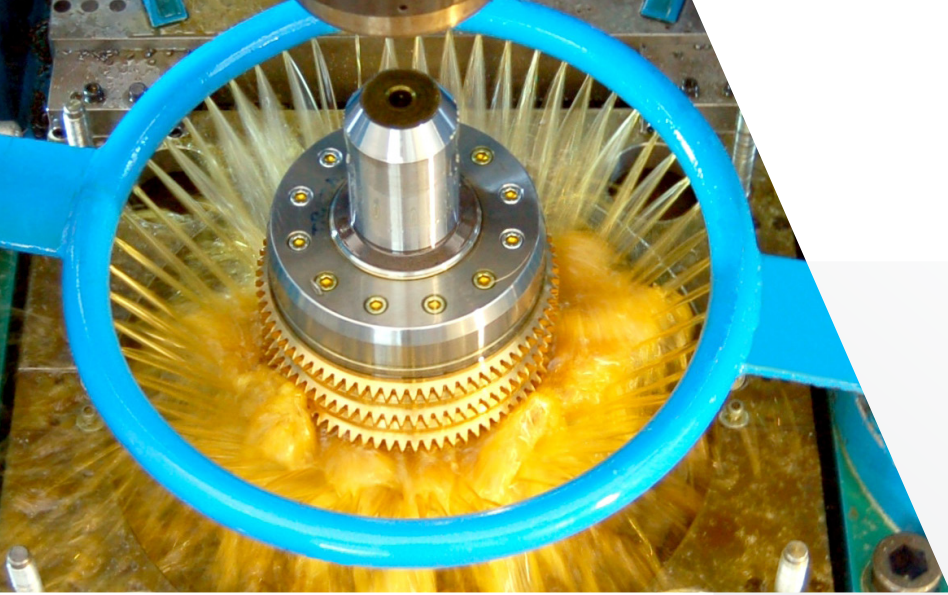
THREAD GRINDING

CHAMFER GRINDING

COATING

FINISHING





The company Vebro (**VE**rgnano **BR**occe) builds broaches for internal and external profiles: it supplies the most prestigious clients in the international field and supports them with flexibility and dynamism, offering optimal solutions both for standard applications and for customized needs.

## FLAT BROACHES

Vebro has long-standing experience in constructing external broaches and in particular, profiled flat broaches.

Vebro is specialised in producing flat broaches for the automotive sector: machining of connecting rods, joints, brakes, axles, steering components. For the latter, Vebro is the leader in the design and serial production of broaches with full form finisher which when combined with specific coatings, guarantees quality and superior performance.

## ROUND BROACHES

Vebro's production includes all the main types of internal broaches: cylindrical broaches, involute profile, straight flanks spline and special profiles.

Vebro is also specialized in the production of large size broaches with Full Form technology, indispensable for obtaining high precision and quality on the epicycloid crowns and on the parts that require such a precision toothed profile (diameters up to 320 mm - Length up to 3 m).

The calculation of the profiles is done using a dedicated proprietary software, that allows to simulate the conditions of usage and checks the structural and geometrical features of the tools we manufacture, ensuring conformity to the customer's needs.

## HARD METAL

The hard metal broaches are used for internal grinding after the thermal treatment of extremely high-precision gears. In order to complete the range and satisfy all requirements of our Automotive customers, Vebro has installed a line dedicated to the production of hard metal broaches.

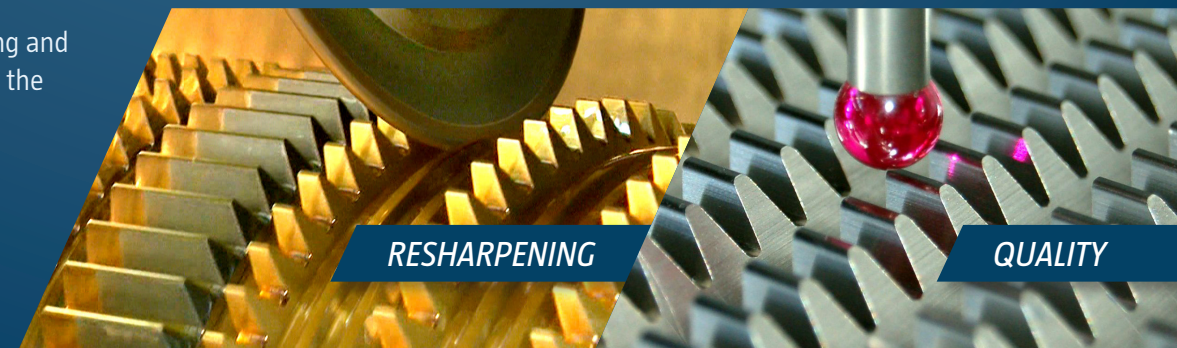
A decade of experience gained in the Group in the production of hard metal hobs allows us to supply optimized materials and coatings for each specific process.

## RESHARPENING

Vebro has a sharpening centre equipped with modern CNC machines managed by competent and qualified personnel.

Thanks to scrupulous checks carried out using digital microscopes to detect wearing and any faults in the sharp edges, it is possible to monitor the efficiency and maximise the lifespan of the broach.

This guarantees the customers a constant product quality, a reduction in machine downtimes and an economical management of the tool warehouse.



QUALITY



**1944**  
**COMPANY FOUNDATION**

Production of standard  
and customized cutting tools



**1950**  
**OFFICE TRANSFER**

Offices moved to  
Corso Torino in Chieri



**1949**  
**PRODUCTION TAPS**

The company starts  
producing Taps

**1960**  
**EXPANSION**

Expansion of the Plant



**1969**  
**VEBRO WAS BORN**

Starts producing Broaches



**1988**  
**EXPANSION OF VERGNANO**



**1979**  
**TRANSFER OF VEBRO**

Vebro transferred to  
the plant in Andezeno



**1992**  
**NEW BRANCH IN GERMANY**

Vergnano GmbH - Kirchentellinsfurt



**2002**  
**TRANSFER OF VERGNANO**

Vergnano plant transferred to  
the present address in Corso Olia in Chieri



**2008**  
**NEW BRANCH IN SOUTH KOREA**

Vergnano Korea



**2003**  
**NEW VERGNANO  
COATING CENTRE**



**2017**  
**NEW VEBRO BUILDING  
OFFICE EXPANSION**



**2019**  
**ANNIVERSARIES VERGNANO**

Vergnano 75 years  
Vebro 50 years



**2016**  
**TRANSFER OF GERMAN BRANCH**

Vergnano GmbH moved to the new plant in Achern



**TIMELINE**

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