

Technology across borders

Cutting tools



«Four generations of innovation
and passion have made ALESA
the company it is today.
Our family business has stood
for first-class tools since 1934.»

Our company

Many decades of innovation



Christoph Leimgruber – Managing Director / CEO

Made in Switzerland

Our machining tools – primarily for metalworking – are used worldwide, partly thanks to our company history spanning more than 80 years. But despite global integration, our highest priority is still to be true to ourselves: as an independent family business located in Seengen in the Canton of Aargau, our team of around 70 highly motivated employees guarantees products and services of the highest quality – each and every one “made in Switzerland”.

Our success story

Our company first gained an international reputation in 1946 with the launch of the ALESA GOLD toolbit. A lot has changed since then, but not our company philosophy: we aim to evolve constantly through innovative ideas. Over the years we have demonstrated this many times, including our pioneering work in 1980 on the tempering of HSS using vacuum technology, the introduction of the ALESA TWIST spiral cutting insert in the mid-1990s and most recently, the TWIST Coollex cutting insert system with flank cooling. To ensure we live up to these standards in future, we also use the highest-quality technology to manufacture our tools.

Committed to our values

In these hectic times where profit is everything, it can be difficult to maintain values. That is why we always strive to remember the basic principles of our business: honesty, respect, reliability, trust and quality. These are the values that underpin everything we do.

Our products

High-performance standard tools

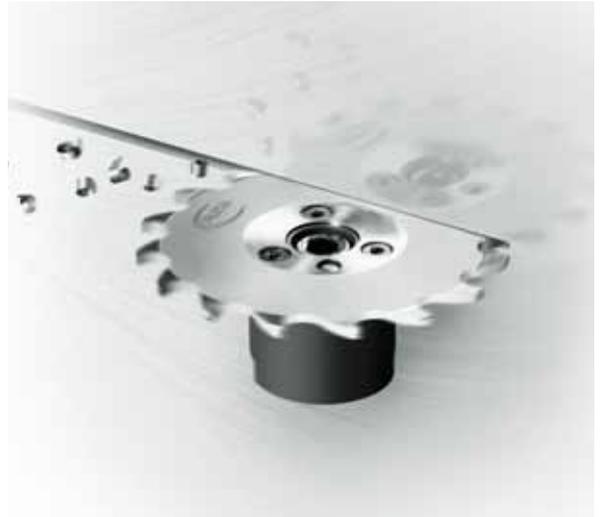


Tools with indexable inserts

Our range of inserts features highly positive and extremely sharply ground cutting edges, achieving a long life thanks to various coatings. The patented spiral ground "Twist" shape allows a smooth and peeling cut like never before. There is also a comprehensive range of tools for turning and grooving.

ALESA toolholders with indexable inserts:

- "Twist" profile and hobbing mills for a peeling cut
- Flank-cooled "Coolex" milling cutter for extra tool life
- High feed and high performance "Speed" cutter
- Various ISO-standard tools such as AP, SD and RP



Nutex tools

The Nutex circular saw system offers a unique combination of a circular saw blade and holder, all in a single tool. Complemented in terms of performance by Nutex Mini, Nutex, Nutex Plus Mono and Nutex Plus, the system allows slotting, cutting, milling and sawing on CNC centres without fixings protruding out of the tool face.

ALESA Nutex tools:

- Nutex: an adaption of a classic DIN saw
- Nutex Mini: when space is limited
- Nutex Plus: including the advantages of a side milling cutter
- Nutex Plus Mono: peak performance for deep cuts with small tool diameter



Circular saws and side milling cutters

The ALESA metal-cutting circular saws are highly efficient. Available in HSS or solid carbide, our range covers the DIN series to allow all-round production, as well as circular cut-off saws for all circular sawing machines and in almost every size.

ALESA circular saw blades and side milling cutters:

- DIN saws in HSS and carbide
- Fine, normal or coarse-toothed
- wide variety of PVD hard coatings available
- extensive range in stock

Special tools

Made to order

Challenges are not just something we relish; they are part of our core business. Because producing high-quality but economical tools to order or according to customer specifications is not just a challenge for us but above all a calling.

Besides special solutions in our traditional field, we also offer solutions that go beyond our range. With or without inserts, for milling, turning, planing, shaping or other processes, we are at home with all kinds of machining.

Special tools and solutions:

- circular knives according to customer specifications
- knives and semi-finished products in HSS
- tools for planing and shaping
- combination tools with and without indexable inserts

Our services

Individual solutions



Our regrinding service for high standards.

Regrinding

Restoring a tool to full working order requires proper reconditioning. We offer a regrinding service for all types of circular saw, all sharpened on their original production lines. This enables us to meet our common standards and achieve outstanding quality.

Heat treatment

We have several decades of experience in contract heat treatment, vacuum tempering and the heat treatment of high-alloy steel in a continuous furnace. Heat treatment in a vacuum furnace is not only environmentally friendly but also guarantees maximum precision in manufacturing thanks to the automated processes.



Personalised advice down to the smallest detail.

Lasing / semi-finished products

The greater the resistance, the higher the demand for power: this certainly applies to us. In our workshop we process our high-speed steel with the extremely powerful cutting processes of our laser system.

Engineering

Finding the right tool is important, but sometimes it can be a challenge. With our range of services in consulting, project planning, development, contract manufacturing and customer service, we offer you solutions that perfectly match your needs.

«ALESA stands for high-quality tools in terms of machining performance and life span, which makes for long-term relationships with customers and suppliers.»

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