ARNO®
WERKZEUGE

TURNING
GROOVING
MILLING & DRILLING
THREADING
PARTING-OFF
SOLID CARBIDE
SWISS TURNING
TOOL MANAGEMENT



WE LIVE QUALITY TOOLING

All ARNO solutions and services at a glance.

TOOL OVERVIEW

ARNO – Precision Driven By Passion Since 1941

We are a Swabian family business in its fourth generation – with a clear mission: machining solutions that make a difference. Every year, we grind over 2.5 million highly positive indexable inserts – each individually inspected, each a promise of quality. Our strength lies in innovative tool systems, developed with deep process expertise and genuine engineering spirit. Whether manufactured conventionally, additively or in hybrid form – we set new standards in cooling, chip removal and vibration damping. Numerous patents underline our innovative strength. ARNO stands for durability, precision and flexibility – with short decision-making paths, dedicated teams and true customer focus. Our future is built on three pillars: digitalization, customer service and human resources. **Our drive? Solutions for your challenges. Our promise? WE LIVE QUALITY TOOLING.**

WE ARE CLOSE TO YOU ALL OVER THE WORLD

Branches & Sales partners // Our tools are in use all over the world – that's why we are close to you all over the world. With five branches (UK, France, Italy, South East Asia & USA) and over 100 sales partners in many countries, we are always close to our customers and keep a close eye on market developments.

EXPORT Team // From our headquarters in Ostfildern, our dedicated export team serves as the direct point of contact for our international customers. We provide fast, reliable support in all technical and commercial matters – from tool selection and process optimization to order handling and logistics. With in-depth product knowledge, years of experience, and the ARNO spirit of precision and ingenuity, we ensure seamless communication across borders. Whether by phone, email, video call, or in person at your facility – our experts are always close at hand, helping you achieve outstanding results in your production.

Our ARNO Application Technicians // When nothing else helps, the application technicians and tool designers at ARNO step in. For special challenges – especially with difficult-to-machine materials – we dive deep into the technical details of machining together with you. In 9 out of 10 cases, our tools deliver longer tool life than others available on the market. If your requirement calls for a custom tool, we provide fast results. Depending on complexity, we deliver the desired tool within three days up to a maximum of six weeks.



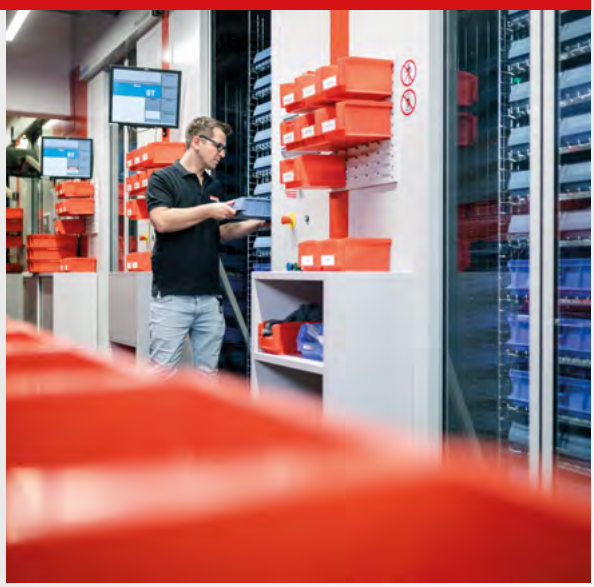




A high-speed team with state-of-the-art production and logistics.

Shipping Service & Product Availability // We are always ready to deliver – with 95% of our tools in stock. Every month, we ship around 9,000 orders, many of them on the same day they are placed. Our shipping team works with exceptional reliability – with an error rate of less than 0.1%.

Order Directly - Delivered to You // You can order through your local dealer or branch, and we can deliver your tools directly to your address. This makes it faster and easier for you to get the products you need, right when you need them.



Your fast track to a tailor-made solution – ARNO special tools.

Our Design and Production Teams // They go all in when one of our customers urgently needs a tool that the market simply doesn't offer. The fact that no one has ever made this tool before is not an obstacle for us – it's a motivation. This is our principle of innovation: where others give up, we get started – and deliver results fast.

What that means in practice // Because we have deep expertise in the development and production of special tools, we know exactly where the pain points lie. Thanks to our know-how, many years of experience, and excellent infrastructure, we can often deliver the requested special tool just three days after receiving the requirement. Even in challenging cases, it should take no more than six weeks from order to delivery for individually manufactured indexable inserts.



First for Testing, Then into Production – ARNO Demonstration and Testing Center.

Machines run continuously, chips fly, and productivity is high – probably the worst time to test a new tool. Thanks to ARNO's in-house demonstration and testing center, you can face such scenarios with confidence. Here, we test tools in advance without interfering with ongoing production processes. This also applies to special solutions.

Before we start trial runs on your machines, we already have a thorough understanding of how a tool performs and which cutting parameters to choose. This saves time, material, and costs. With data from these preliminary tests, we are well prepared when your machine processes a workpiece with the new tool for the first time.



Keeping Things Organized Is a Must – ARNO StoreManager.

Hardware // Our tool cabinets come in four versions with individually configurable compartments, ensuring order in every case. With guaranteed single-item withdrawals, you gain complete cost transparency – permanently. The StoreManagers are built so robustly that they effortlessly withstand the rigors of daily workshop use. 100% single-item withdrawal with less than 1.5 m^2 footprint.

Software // Of course, the cabinets can be seamlessly integrated into any production environment via interfaces with all common ERP and tool management systems. Thanks to the easy operation of the StoreManager, you can benefit immediately from automated tool management without lengthy training – quickly boosting productivity in your manufacturing.

Automatisiert ordern mit dem ARNO Toolmanagemen // The ARNO StoreManagers link transparent tool management with automated procurement. Your orders are triggered before shortages occur, ensuring you always have a minimum quantity of tools ready for use.



Turning and Threading with ARNO

With ARNO, you have an experienced partner for nearly every turning application.
Above all, our wide range of precision-ground highly positive indexable inserts – manufactured in-house – is unique worldwide. With ARNO indexable inserts, you'll always machine faster, safer, and achieve the best surface finish – saving you time and, consequently, costs.

Highlights ARNO Drehen

Additive manufactured holder



The majority of the high performance potential lies in the head of ARNO's new hybrid clamping holder. Additive manufacturing is the key to its special internal structures, such as cooling channels and cavities. The hybrid holder impresses with its lightweight design and guarantees highly efficient cooling. Through three nozzles, the coolant reaches critical areas: the clearance surfaces and the chip underside. The structures on the top of the head have been minimized – providing more space for reliable chip evacuation.

High-positive Insets



If you're looking for extremely sharp indexable inserts, you'll definitely find what you need with us: ARNO's range of highly positive indexable inserts is unique worldwide. All highly positive inserts are made from an ultra-fine grain substrate, precision ground, and feature a polished chip breaker. For tailor-made machining of all materials, you can choose from various coated or uncoated grades, geometries, standard and intermediate sizes, as well as corner radii from 0.00 to 3.0 mm.

Inserts for exotic materials



Do you need to machine difficult-to-cut materials like titanium and superalloys efficiently and with high precision? We have the solution: our highly positive and negative indexable inserts with rounded cutting edges. They are sharp enough to keep cutting forces low and offer excellent edge stability thanks to the rounding. To combat the poor thermal conductivity of these exotic materials, they are also equipped with advanced high-tech coatings.

ISO boring bars | Internal turning



Whether small or large diameters: The ARNO system for internal turning guarantees smooth processes and high quality.

ISO turning holders | External turning



Wide variety and high quality with a precise fit – tool holders for external machining.

Thread turning



Reliable and versatile – the ARNO thread-cutting system for all types of threads, pitches and dimensions from a core diameter of 3.2 mm.

KMH | VDI tool holders



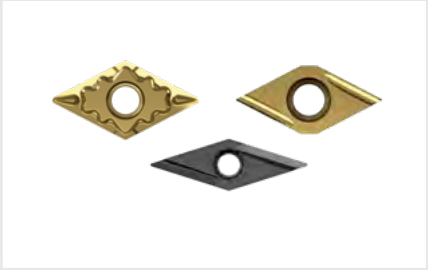
Well thought-out for a wide variety of applications: KMH tool holders with VDI shank from ARNO.

ISO indexable inserts carbide



Carbide is the allrounder among cutting materials. Its properties can be perfectly customised and, with the right coating, the generalist becomes a specialist with unique capabilities.

ISO indexable inserts cermet



For indexable inserts that need to deliver extra-long tool life and top surfaces for turning applications on steel, iron or cast materials, we use cermet.

ISO indexable inserts CBN



For highest quality surfaces and maximum productivity with hardened materials: CBN indexable inserts from ARNO.

ISO indexable inserts PCD



The optimum solution for greater speed when processing non-ferrous metals – PCD indexable inserts from ARNO.

Parting and Grooving with ARNO

At ARNO, you get versatile, innovative tool systems for a wide range of applications. Whether external or internal machining, aluminum or steel, narrow grooving or complex shapes – we offer tailor-made systems from the holder to the cutting insert, ensuring maximum process reliability and productivity in your manufacturing.

SA | Parting and grooving system



Extremely efficient and flexible for parting off and grooving: the ARNO SA part off system.

SE | Groove turning system



The versatile addition to parting off, grooving and copy turning: the ARNO SE groove turning system.

ATS | Three-edged grooving system



The three-edged ATS system for parting-off, profile grooving and copy turning: Efficient thanks to three-edged inserts and fast tool changes.

AKS | Internal grooving system



The AKS system stands for cost-effective, precise, and reliable grooving. Two cutting edges, optimized chip evacuation, and flexible application options ensure efficient machining while reducing tooling costs.

SIM | Internal machining system modular



Perfect for internal machining starting at 6.7 mm bore with reaches of up to 80 mm: the modular ARNO SIM System.

AMS | Mini internal machining system



Modular and precise: the ARNO Mini-System AMS for internal machining starts at a diameter of 0.7 mm and reaches boring depths of up to 50 mm.

NC | Groove turning system



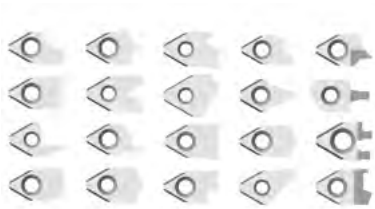
Shows genuine all-round talent: the NC groove turning system for external, internal and face grooving applications.
Available with and without coolant supply.

SHORT-CUT | Groove turning system



Assured rigidity: the SHORT-CUT groove turning system for external and internal grooving.

PROFIL-CUT | Form grooving System



Perfect for mass production: PROFIL-CUT – the form grooving system for custom profiling of inserts.

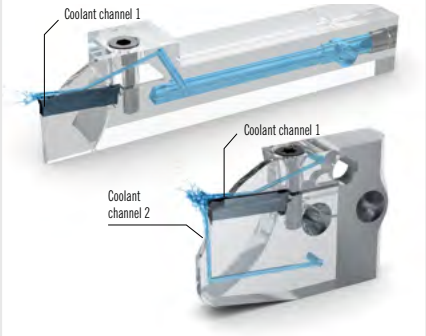
Flange mounted holders for modules



One interface less for more process reliability: with flange mounted holders for monoblock holders, grooving modules and grooving blades.
The best in class part off solution.

ARNO Parting and Grooving Highlights

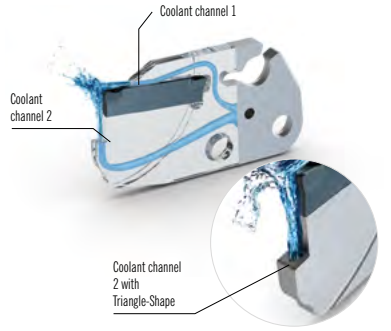
ARNO Cooling System – ACS



Cooler and more precise is impossible: With ARNO's patented ACS cooling technology, the coolant is guided directly along the insert seat. The insert is optimally cooled, the coolant exits at the cutting zone, flushes under the chip, and ensures efficient chip evacuation.

With ACS2, the clearance surface is additionally cooled from below. The result is an average increase in tool life of 300%, along with higher speeds and greater process reliability. In short, ARNO's patented ACS cooling technology turns our excellent SA part off and SE grooving systems into outstanding productivity boosters.

Additive Manufactured 3D Module with ACS



A grooving module with a triangular coolant channel – sounds futuristic, but is already successfully produced in series using 3D printing: ARNO Tools and Rosswag Engineering have, for the first time, transformed the possibilities of additive manufacturing into a standard tool in the grooving sector. This allows two coolant channels with flow-optimized nozzle-shaped geometries to be integrated even in narrow modules. The lower channel ends in a triangle, directing the coolant to the outermost edge of the clearance angle.

This further increases tool life, produces shorter chips, and reduces built-up edges and clearance surface wear.

Optimal cooling, even in tight spaces: Cutting inserts with coolant channels for the ARNO Mini Internal Machining System AMS.



Precise coolant guidance for maximum wear protection is effortlessly achieved with AMS cutting inserts featuring coolant channels. For through-hole drilling, coolant channels from above (IKO) are ideal, as they direct chips forward and away from the cutting edge.
For blind-hole drilling, coolant channels from below (IKU) are the right choice, as they guide chips behind the cutting edge and flush them out.

Sliding Head Auto Lathes Machining with ARNO

In the mass production of delicate parts, our tool systems excel with long tool life and maximum precision. With us, you'll find the world's largest range of positive and highly positive indexable inserts, providing a tailored solution for every application. Additionally, the combination of the AFC quick-change system and AWL tool holder makes tool changes and coolant supply setup simple, fast, and secure.

AFC | Fast-Change System



AFC: the revolution in fast tool changes. Through tool coolant, modular & highly accurate

AWL | Sliding head rail system



AWL Sliding head rail system with integrated coolant supply. Rails available to suit most major OEM machine models.

DECO-CUT | Sliding head tooling system



Parting off, grooving, groove turning, threading: the modular DECO-CUT system from ARNO does it all and with absolute precision at the same time.

Holders for back working



Harness expert support for greater efficiency in back working: ARNO's standard holder and height-adjustable holder. The only back work tooling system that can be set off the machine.

ISO turning for sliding head auto lathes

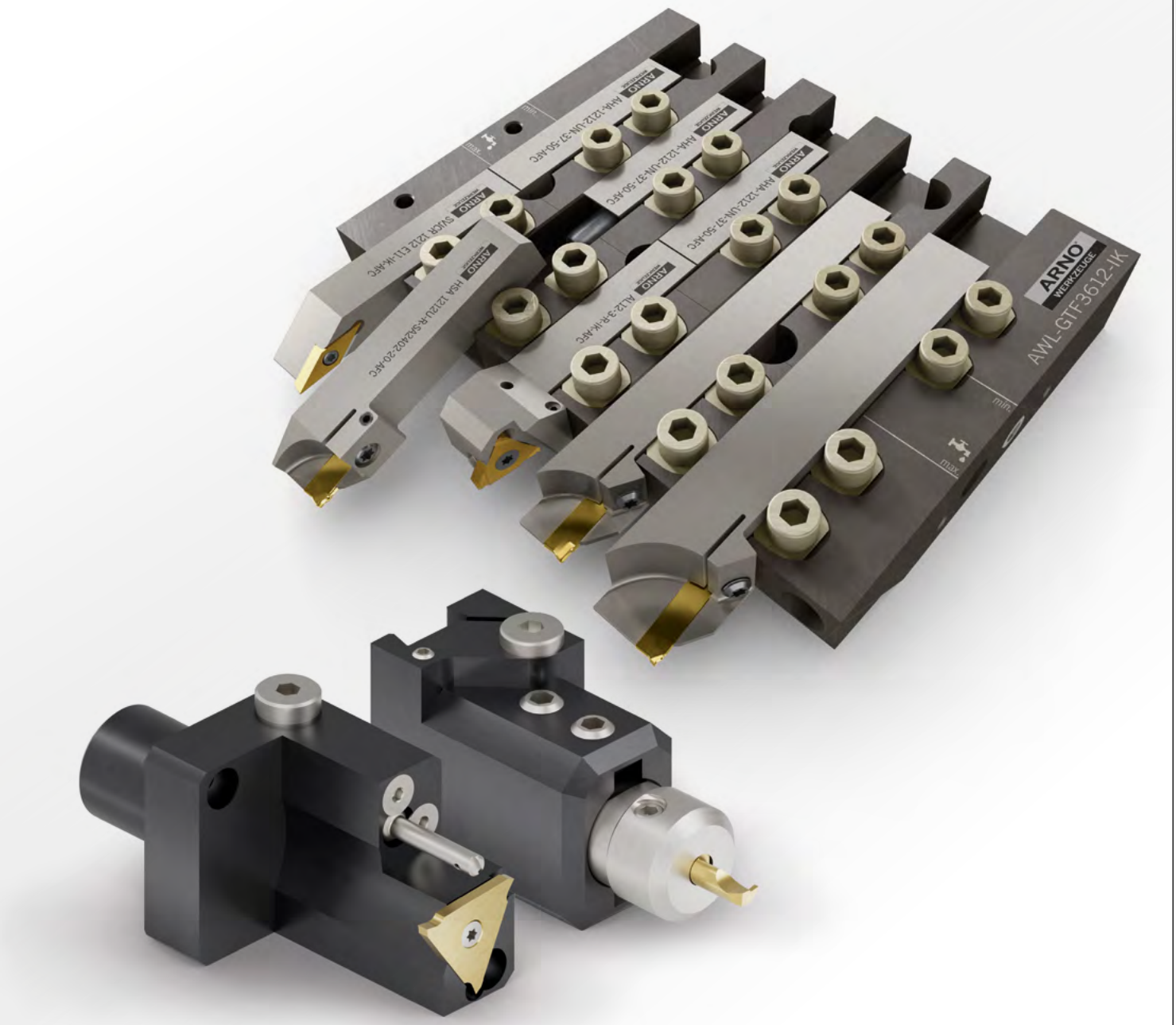


The ARNO system for ISO turning for sliding head auto lathes offers tool holders, boring bars, AFC holders and indexable inserts for almost every application.

Part-off and flange-mounted holders



The holders for STAR and MIYANO machines introduce the outstanding precision and long tool life of ARNO tools to your sliding head auto lathe applications.



Highlights ARNO Swiss-Type Machining

Your Swiss-Type Machining Specialists: Indexable inserts with PS, PSF geometry and highly positive indexable inserts for the highest surface finish.



When manufacturing long, slender workpieces, uncompromising quality in indexable inserts is essential: only the perfect combination of ultra-fine grain substrate, precisely ground cutting edges, and smoothly polished chip breakers ensures the highest surface finishes from the start.

That's why ARNO has specially developed the PS indexable inserts for the Swiss-type machining sector, which deliver excellent results and long tool life. When exceptional precision and the highest surface quality are required, our extremely sharp, highly positive ASF, ACB, AWI, and ALU inserts are the ideal complement.

Another special feature of the system is our precision-sintered PSF geometry: it combines excellent chip evacuation and wear resistance across a wide range of cutting data with high sharpness and low cutting forces. Thanks to the wave-shaped chip breaker, chip control remains reliable even at varying cutting depths, while the leading geometry enables small infeed rates. This makes the PSF geometry one of the most versatile solutions of its kind – perfect for Swiss-type machining and the production of small components.

Drilling and Milling with ARNO

Benefit from reliable processes, multifunctional tools, and increased productivity in your manufacturing. At ARNO, you'll find a wide range of cutters and drills with indexable inserts for diverse milling and drilling operations. This enables optimal production processes and minimizes machine downtime through reduced tool changes.

Need to mill standard parts reliably and precisely? Or produce a demanding series of components in high-end quality? Tool requirements can vary significantly. Our series – **Basic for cost-effective performance** and **Major for maximum performance** – offer the right tool for every task.

AKB | Indexable insert drilling system



Flexible and extremely rugged for drill holes up to 5 x D: the ARNO AKB indexable insert drilling system.

SHARK-CUT | Multi purpose tool system



Turning and drilling with only one tool: the SHARK-CUT multifunctional tool system from ARNO.

SHARK-DRILL | Cutting insert drilling



Rugged and flexible: SHARK-DRILL with spiral and straight fluted tool holders, for diameters ranging from 9.5 to 114 mm and drilling depths to over 900 mm. Both HSS and Carbide inserts are available as standard.

SHARK-DRILL² | Cutting insert drilling



SHARK-DRILL² stands for high drilling performance, stability, and maximum flexibility. Fast insert changes, various drilling depths, and one holder for multiple diameters ensure efficient and reliable drilling processes.

Major // FE | Shoulder and HFC milling



A holder for square shoulder and high feed (HFC) indexable inserts: the FE milling system from ARNO.

Major // FD | Shoulder and HFC milling



The multifunctional system with four efficient cutting edges for HFC and square shoulder milling: the ARNO FD milling system.

Major // FO | Face milling



Wear-resistant tool holders for octagonal indexable inserts: the ARNO FO milling system.

Major // FT | Face milling



Stable and efficient: the FT face milling system from ARNO with 45° approach angle and eight efficient cutting edges.

Basic // BAP | APKT shoulder milling



The BAP milling system does what it is supposed to do: mill. It is the cost-effective, reliable component in manufacturing operations when standard is on call every day.

Basic // BLN | Shoulder milling



The BLN shoulder milling system is the robust workhorse with high cutting performance for square shoulder milling.

Basic // BRP | Round insert milling



The BRP system is ideal for face milling, profile milling, drill milling, pocket milling, 5 axis milling applications.

Basic // BXP | HFC milling



Move up a gear with the BXP system. It was designed for high feed milling and delivers excellent results with small diameters.

Basic // FZ | Shoulder milling



The FZ system optimally combines milling performance and cost efficiency. In addition to its high level of cost-effectiveness, the system offers a large selection of tool holders.

Basic // FP | Face milling



The FP system is characterised by a high cutting volume, particularly smooth running and outstanding productivity. The result: Great workpieces in a short time. Inserts with up to 16 cutting edges for max. economy.

Basic // BGP | Thread milling



The BGP system lets you benefit from the versatility of thread milling. Produce first-class threads with high surface quality regardless of the workpiece size.

ARNO Solid Carbide & HSSE-PM Drills

Experience powerful solid carbide and PM-HSS tools for demanding machining tasks. Whether the requirement is highest hardness, excellent wear resistance, or maximum flexibility – our drilling tools guarantee precision and long tool life in your production. ARNO offers tailored tooling solutions for a wide range of requirements and almost all materials.

SPC | Universal Drill with internal cooling



Carbide twist drills with internal cooling, available in 3xD, 5xD, and 8xD versions. TiAlN-coated with a 140° point angle. Ideal for precise, demanding drilling tasks with optimized cooling.

SP | Universal drill without cooling



Carbide twist drills without internal cooling, available in 3xD and 5xD versions. TiAlN-coated with a 140° point angle, diameter range Ø 1–20 mm. A reliable all-round solution for general drilling tasks.

SP-DIN | DIN drill without cooling



Universal DIN drills without internal cooling, compliant with DIN 6539 and DIN 338. Available TiAlN-coated or uncoated, with a 118° point angle. Perfect for standard drilling applications.

SPC-VA | for stainless steel



Drilling holes in stainless steel components with SPC-VA always leads to outstandingly precise results - thanks to the optimised cutting edge of the drill. Available in 3xD, 5xD and 8xD.

SPC-ALU | for aluminium



SPC-ALU is unbeatable when drilling in aluminium and aluminium alloys. Drilling with diamond coating and ranges from 3xD, 5xD and 8xD.

SP-H | for hardened steels 50 - 70 HRC



Fast and precise drilling in hardened steels - exactly the task that the SP-H System masters to perfection.

SP-PM | Powder metal drills



With the powder metallurgical drills of the SP-PM system, you can machine a wide range of materials and machine workpieces precisely even under difficult conditions.

SPC-3S | Solid carbide drill 3-flutes



Tough, fast, unyielding. The SPC-3S system offers outstanding performance under extreme conditions.

SPC-XL | for deep hole drilling



If the job is to produce deep bores from 10xD to 30xD, the SPC-XL system will reliably master every run. You can even use it with MQL coolant supply technologies.

FL | Universal flat bottom drill



The FL system represents flat drills with a 180° point angle. The speciality: Precise drill holes in bevelled surfaces. But the FL system also works with high precision when it comes to right-angled radii.

SPA | NC drill



With tools available in solid carbide and HSSE Powder Metal variants all materials from general steels to heat resistant alloys can be machined.

SPZ | Centre drills



The SPZ centre drill program allows for precise drill pre-centering across multiple materials. Available as solid carbide and HSSE-PM.

ARNO Solid Carbide Mills

Discover our high-quality solid carbide and PM-HSS tools designed for demanding machining tasks. Whether you need maximum hardness, wear resistance, or flexibility, our high-performance milling and drilling tools deliver exceptional precision and durability for your manufacturing processes. At ARNO, you'll find optimized solutions tailored to a wide range of requirements and materials.

AF | for general purpose



Broad spectrum, attractive price and high availability: AF is the professional for standard tasks.

AFA | for aluminium



The AFA system can only do one thing - but it can do it exceptionally well: cutting aluminium and doing it with brilliantly precise surfaces.

AFA HPC | for aluminium HPC



High Performance Cutting is the power mode that reduces production costs with more feed, more speed and more volume. This determines who has to be used: The AFA HPC system.

AFE | for titanium and stainless steel



The AFE system performs at its best on stainless steels, titanium and heat resistant alloys. It impresses with its extreme stability and smooth running. The result: amazingly precise surfaces and grooves.

AFE HPC | for titanium and stainless steel HPC



The AFE HPC system is perfect for anyone who wants to machine stainless steels, titanium and challenging alloys with maximum productivity at the highest level.

AFG | for pre-hardened steels up to 55HRC



Pre-hardened steels up to 55 HRC are the terrain of the AFG system. Optimised for high-speed machining, the AFG system offers outstanding results.

AFH | HSC for hardened steels 45 - 70 HRC



The AFH system is for all those who don't give up on materials with 70 HRC. Produce components with premium surfaces despite their hardness. The ideal milling cutters for tool and mould making.

AFJ | stainless steel, nickel alloys & titanium



Anyone who manufactures for aerospace, energy technology, mechanical and plant engineering will be delighted by the AFJ system: affordable tools with 3 - 6 or 8 cutting edges and top quality.

AFV | for steel, stainless steel & cast iron



Install the AFV system on your machines. You push the limits of productivity to the top while maintaining quality and precision at the highest level.

AFX/AFR | HSC mill for pre-hardened steel



These very high-quality milling tools cannot be thrown off course by hard materials up to 55 HRC: precise roughing and finishing at high speed.

FP-PM | HSS-PM for steel and stainless steel



The FP-PM system is ideal for all contract manufacturers who want to benefit fully from the particular strengths of powder metallurgical milling cutters: universal use, high temperature resistance, low wear and the decisive plus in precision.

AFT | Thread milling cutter



Precision, durability and flexibility: The AFT thread milling cutter is the solution for your internal thread machining.

AE | Deburring cutter



The AE system ensures cleanly milled edges in no time at all.

Desert Cut | Dry machining of aluminium



Desert Cut tools offer optimum solutions for precise and economical dry machining of aluminium and aluminium profiles.



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LETS TALK ABOUT YOUR NEXT PROJECT.

No matter where you are in the world – ARNO is right by your side.
Our experts are ready to support you with tool selection, process optimization, and everything you need to achieve the best results.

For more information see: www.arno.de

GET IN TOUCH TODAY:

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Follow us for news, tips & insights: ARNO belongs on every machine.