

ENTHUSIASTS IN TECHNOLOGY

„It may seem impossible, but we see the challenge and make it possible!“

Manufacture smarter. Work cleaner. Deburr better.

A passion for deburring technology, a clear view of processes, and the ambition to **make manufacturing measurably better**: that's what boeck stands for. We develop tools for **clean edges, stable processes and reliable results**. From clever standard solutions to tailor-made high-end tools, we – Marc and Jochen Böck – rethink deburring processes with a practical, efficient and sustainable mindset.

This issue features **Wiechmann Ketten- und Kettenräderbau GmbH**, processing 8,000 tons of metal a year with consistently pure deburring, a prime example of efficient and safe processes. Plus, discover how our **deslagging brushes tackle slag reliably**, offering robust solutions for daily sheet metal work.

Enjoy the read and see you soon!



Marc Böck, Management / CEO



Jochen Böck, Management / CEO

For those working with sheet metal every day, the surface finish makes all the difference. Our X-CUT deburring wheels deliver the best results – clean, efficient, and visually outstanding.

Need support? We're happy to help you choose the right solution for your needs!

X-CUT DEBURRING WHEELS

No-Way-Finish



See it in action



LIGHTS. CAMERA. ACTION.



Is your sheet metal production with boeck tools ready for the big screen? Every production has its story. We tell it.

Together, we produce a high-quality corporate video directly in your manufacturing environment. The focus: your know-how, your processes, and our boeck tools in action.

- » A professional user story, not a commercial.
- » In-depth magazine article.
- » Gain visibility in the industry.

READY FOR THE BIG SCREEN? CONTACT US TODAY.

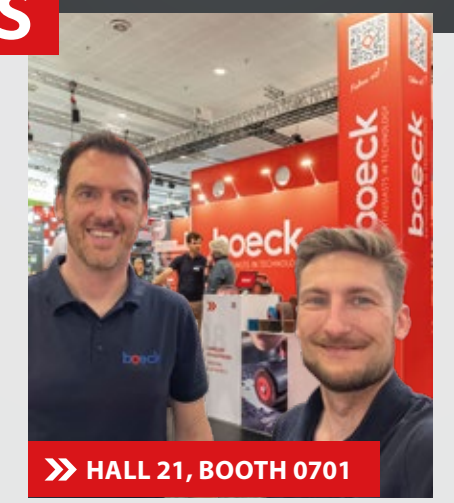
DON'T MISS: BOECK AT INTERTOOL 2026 IN WELS



INTERTOOL 2026 in Wels is just around the corner. boeck will be featured as a **highlight in deburring, brushing, polishing, and grinding technology**.

Discover true process expertise from **April 21 to 24, 2026**: from slag removal and deburring to edge rounding, oxide removal, and finish grinding. At boeck, it's not just individual tools that matter, it's about **efficient, fully integrated processes**.

On-site, our experts will demonstrate how to shorten lead times and boost quality sustainably.

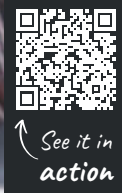


» HALL 21, BOOTH 0701

» COME SEE US AT INTERTOOL 2026!



DEBURRING TOOLS FOR THE ENTIRE PROCESS CHAIN



PRE-GRINDING WITH ABRASIVE CLOTH BELTS

Grinding belts enable fast and clean pre-processing. They remove primary burrs, break edges, and eliminate splatter. Choosing the right grit ensures high material removal, uniform surfaces, and consistent quality.



**DEBURRING MACHINE
LISSMAC SBM-L1500**



WIECHMANN AND BOECK: HIGH QUALITY AND FAST DELIVERY

Fast response times and two-hour emergency deliveries are only possible with strong technology partners. This exact requirement forms the basis of the collaboration between Wiechmann Ketten- und Kettenräderbau GmbH from Jeddelloh and boeck.

With over 50 employees, Wiechmann processes around 8,000 tons of metal annually, relying on modern laser, forming, grinding, and deburring processes. Several LISSMAC systems are used for pure deburring, separated by steel, stainless steel, and aluminum, ensuring the highest surface quality.

The partnership with boeck began after initial talks at Blechexpo in Stuttgart and quickly developed into a close collaboration. boeck supplies grinding belts and deburring wheels specifically tailored to Wiechmann's processes. High-performance ceramic and zircon corundum grinding belts, along with the BROWN EDITION deburring wheels, ensure long service life, reduced throughput times, and consistently excellent results.



**DEBURRING MACHINE
LISSMAC SBM-XS 300**



What sets both companies apart is their shared understanding of availability and speed: while Wiechmann keeps around 450 tons of raw material in stock and can produce on short notice, boeck also consistently prioritizes material availability. This close coordination makes the partnership particularly efficient and successful.



„What I truly appreciate about boeck are the short communication lines and top-quality phone support. No long meetings, no drawn-out approvals. You call, get expert advice, and receive the perfect product. It's really top-notch!“

Hinrich Böhlje

*Production manager,
Wiechmann Ketten- und Kettenräderbau GmbH*



KNOWLEDGE FOR CHAMPIONS

BOECK KNOW-HOW



SLAG

Slag forms during thermal cutting (especially plasma or oxy-fuel) when the molten material solidifies on the underside and adheres mechanically. It is hard, brittle, not chemically bonded, and appears on both external and internal contours. It must be removed before further processing.

ATTENTION!

Insufficiently removed slag interferes with subsequent processes: it clogs abrasives, causes uneven material removal and increased tool wear, worsens coating and welding results, and may detach later. Clean slag removal stabilizes the entire process and ensures reproducible starting conditions.



THIS IS SLAG

Quick Tip
pin replacement

our
hardness
levels

MECHANIZED SYSTEM

In series production, mechanized systems handle slag removal. Rubber-mounted carbide pins strike the slag precisely, breaking it apart through impact while protecting the base material. The process relies on fracture mechanics rather than material removal.

- H1 – **soft**: ideal for lightly adhering slag
- H2 – **medium**: proven solution for most applications
- H3 – **hard**: for special requirements
- H4 – **extra hard**: for very hard and stubborn residues

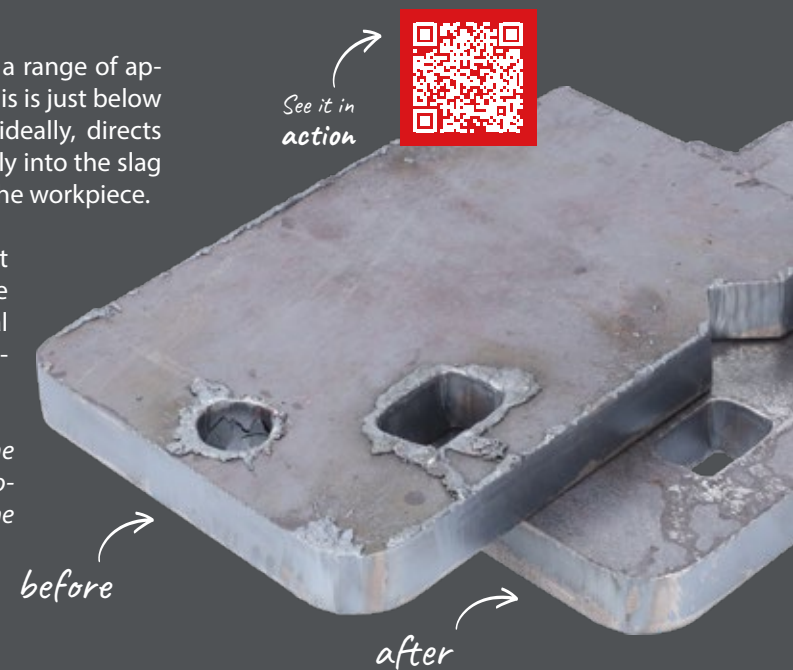
TIP FOR YOUR PERFECT SHEET METAL

The feed depth should be in a range of approximately 0.2 to 0.3 mm. This is just below the workpiece surface and, ideally, directs the impact impulse specifically into the slag rather than into the edge of the workpiece.

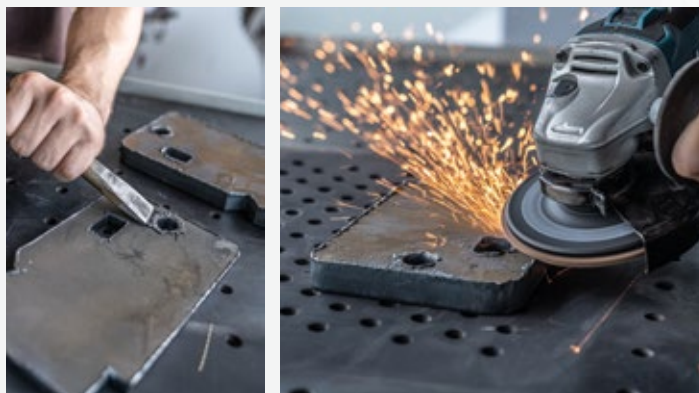
For disc-shaped tools, about 6 m/s has proven effective in practice. Higher rotational speeds do not necessarily increase the effectiveness.

These values serve as guideline values and do not replace a process design that is specific to the workpiece and the tool.

See it in
action



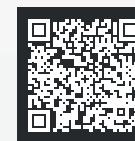
TRADITIONAL SLAG REMOVAL



Manual slag removal is done using a hammer/chisel or angle grinder. It is slow, physically demanding, and produces highly operator-dependent, difficult-to-reproduce results: making it hardly suitable for series production.

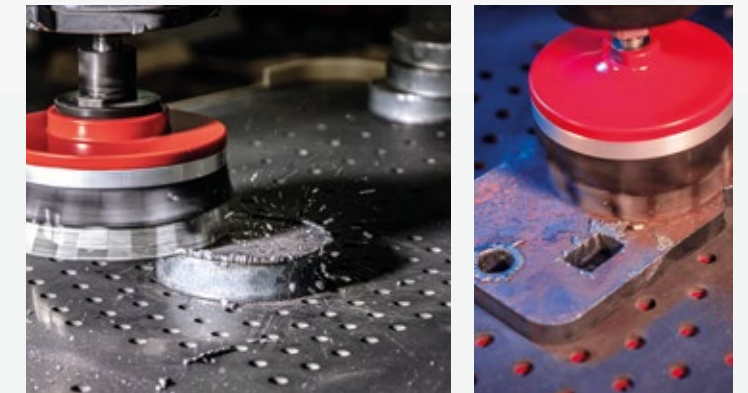


Visit our
shop



The deslagging hammer brushes from boeck are specially designed for the efficient removal of slag. They consist of a large number of flexibly mounted pins.

BOECK DESLAGGING BRUSHES





PERFECT SURFACE FINISH!

FLAP WHEELS FROM BOECK

boeck flap wheels take your surface finishing to a **whole new level**.

Whether grinding, brushing, or satin finishing, they reliably deliver a **clean, uniform finish**.

The flexible flaps adapt perfectly to every contour and provide **excellent results** on stainless steel, aluminum, and many other materials.

boeck flap wheels are available in a wide range of sizes for **all machine types** in our online shop.

Visit our
shop



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