

THE MAGAZINE FOR REAL SHEET METAL WORKERS!

boeck

ENTHUSIASTS IN TECHNOLOGY

AND
BEYOND



**PRE-SANDING
IS MANDATORY**

**WHY ABRASIVE CLOTH BELTS
OPTIMIZE YOUR PROCESS**

GET YOURSELF WET

**DEBURRING DISC - SYNTHETIC EDITION
FOR WET DEBURRING MACHINES**

02

03

**RETHINKING
WET DEBURRING**

**KOLB MASCHINENBAU TRUSTS IN BOECK'S
MODERN WET GRINDING ABRASIVES**

INTRODUCTION



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

Watch the video!



NON WOVEN FOLDED WHEELS

Non-woven folded wheels enable seamless linear brushing – especially on stainless steel. The special folding ensures smooth transitions, uniform surfaces, and long service life.

ENTHUSIASTS IN TECHNOLOGY

Young, dynamic, and with a clear goal. boeck GmbH stands for passion and innovation in deburring technology. Whether smart standard solutions or individually developed high-end tools, we, Marc and Jochen Böck, make manufacturing more precise and efficient.

Today's focus: Maschinenbau Kolb from Isny. A family business with a history, now a modern specialist for sheet metal components. We have been working closely together for years.

Pre-grinding with abrasive cloth belts removes primary burrs. This provides a foundation for more efficient deburring, rounding, and finishing. Wet deburring with the SYNTHETIC EDITION combines synthetic fiber and abrasive cloth for consistent performance in wet operation. Process-stable, durable, convincing.

Enjoy reading!

Marc Böck, Management / CEO

Jochen Böck, Management / CEO



MEDIUM

For uniform surfaces and gentle material removal.

FINE

For a fine texture with minimal material removal.



VERY FINE

For ultra-fine finishing tasks.



PRE-GRINDING WITH ABRASIVE BELTS

Visit our
shop!



Fast, clean, and safe: Abrasive belts remove primary burrs, chamfer sharp edges, and smooth out cut marks from laser and punching processes. The result is a defined grind pattern that provides a reliable foundation for deburring, edge rounding, and finishing.

With the right abrasive type and grit size, you can achieve either rapid material removal or a smooth, uniform grind pattern, depending on the material. Consistent belt tension, precise guidance, and matched feed rates ensure quality and long service life.

Grit 24/36/40/50/60/80/100/120/150/
180/220/240/280/320/400/500/600

Abrasive type aluminum oxide/zirconia alumina/
silicon carbide/ceramic

Width (mm) 70/230/320/620/630/930/950/970/
1030/1120/1130/1150/1170/1180/1
300/1320/1370/1380/2150

Length (mm) 1000/1525/1800/1900/2090/2100/2
150/2200/2620/3123/4123/
5000/5123

CERAMIC

**SILICON
CARBIDE**

**ZIRCONIA
ALUMINA**

**ALUMINUM
OXIDE**



RETHINKING WET DEBURRING WITH BOECK.

KOLB & BOECK SET TO WET-GRINDING MODE

Maschinenbau Kolb GmbH from Isny has an impressive company history. Founded in 1925 by the great-grandparents as a mechanical workshop, the family business has evolved over four generations into a modern specialist in metal processing. Today, around 30 employees manufacture high-quality sheet metal components, from individual parts to medium-sized production runs, for a wide range of industries.

"My father first came into contact with laser cutting in the late 1980s," recalls Managing Director Roland Kolb. "In 1990, we were finally able to install our first laser cutting system—the starting point for our journey into contract manufacturing."

Early on, Kolb also recognized the importance of surface finishing. As early as 1993, the company

invested in its first deburring machine from WE-BER—the beginning of what has become over 30 years of success in deburring technology. Today, the company relies on several Weber machines, including wet grinding systems as well as a dry grinding machine for precise deburring of components. "Wet grinding does require a bit more maintenance," says Roland Kolb, "but the results speak for themselves."

RELIABLE TOOLS FOR WET MACHINING

For almost six years, Maschinenbau Kolb has relied on boeck for deburring tools. The first contact was made at a trade fair in Stuttgart. It was there that the right solution for wet processing was found:



THE SYNTHETIC EDITION DEBURRING DISCS.

“The challenge was that we were using a deburring machine in wet mode,” explains Marc. “Our SYNTHETIC EDITION uses a special plastic fleece in combination with abrasive cloth. Even after drying, it remains flexible and offers significantly longer service life.”
The benefits are clear: more process stability, longer tool life, and consistent results. Or, as Roland Kolb simply puts it: “The boeck tool just works.”



„Working together couldn't be easier – one phone call, and the tool is delivered the next day!”

Roland Kolb,
CEO Maschinenbau Kolb GmbH



THE PARTNERSHIP IS DRIVEN BY A JOINT COMMITMENT TO DEVELOPMENT

In addition to equipping the Weber machines, projects such as converting a tube processing system from wire brushes to deburring discs have already been successfully implemented. Prototypes, such as an internal tube grinding machine, are also developed in close cooperation between Kolb and boeck.

CONCLUSION:

With its 100-year tradition, high standards of quality, and innovative partners like boeck, Maschinenbau Kolb GmbH remains true to its reputation: genuine sheet metal processors with a passion for perfection.

DEBURRING DISC SYNTHETIC EDITION

WET DEBURRING TO PERFECTION

Maximum tool life, high process reliability, and consistent results. That's exactly what the SYNTHETIC EDITION was developed for. The specially engineered synthetic fleece, combined with high-quality abrasive cloth, is resistant to moisture and retains its shape and performance even after machine downtime. Ideal for wet deburring machines, delivering consistent results throughout the entire service life.

CONFIGURATIONS

Shop now!



STANDARD

The classic tool for removing light primary and secondary burrs, as well as rounding edges on sheet metal.



PROFESSIONAL

50% more abrasive material and, in addition, a uniform pressure distribution due to the double-row design.

Grit 40/60/80/100/120

Type of grain silicon carbide

Field of application wet deburring

IDEAL FOR
YOUR WET
DEBURRING
MACHINE



Deburring disc of the **SYNTHETIC EDITION** on the planetary head of a wet deburring machine



Rounded edges and a matte surface finish in a single operation.

ANJA BERSCHEIT

Passionate about technology and committed to results



My job begins with the first line of code and ends when the system is running smoothly. I optimize the interfaces between warehouse and production and keep logistics transparent. This results in less complexity, shorter lead times, and higher quality for our customers.

READY FOR SOMETHING BIG?
JOIN US!
boeck-technology.de/en/career

boeck
WANTS
» YOU!



THAT'S HOW YOU ARE

- » You create, not just manage
- » You turn horsepower into action – with heart and mind
- » You thrive on speed, clarity, and tangible results
- » You think in terms of 'we' rather than 'I'
- » You keep going, even when the going gets tough
- » You're a true winner

YOU'VE GOT ...

- » ... the inner drive that won't let you sit still
- » ... the courage to think big – and just do it
- » ... a heart for the team and a head full of ideas
- » ... passion for what you do
- » ... energy that inspires others
- » ... no fear of responsibility

- » **EXPERT**
- » **CAREER ENTRY**
- » **MASTER'S THESIS**
- » **BACHELOR'S THESIS**
- » **INTERNSHIP**

*More details?
Scan here!*





SWITCH TOOLS IN SECONDS WITH THE BOECK QUICK FITTING SYSTEM!

Watch
the video!



@boeckgmbhinternational



boeck GmbH
Ludwigstraße 8
89340 Leipheim
Germany



boeck Inc.
203 N LaSalle St, Suite 2550
Chicago, IL 60601
USA

+49 (0) 8221 96 43 700
info@boeck-technology.de
www.boeck-technology.de



Imprint:

Publisher and author: boeck GmbH
7th edition: 07/2025

Authorized representatives:
Dr.-Ing. Jochen Böck

Dipl.-Ing. (FH) Dipl.-Kfm. (FH) Marc Böck
Phone: +49 (0) 8221 96 43 700
Mail: info@boeck-technology.de

Web: www.boeck-technology.de

Printed by: siblog, Großenhainer Straße 99, 01127 Dresden
Registry court: District Court of Memmingen

Commercial register number: HRB 15558

VAT identification number pursuant to § 27a of the German
VAT Act: DE815440256

No liability is assumed for the accuracy or completeness of
the information in text and images. All rights reserved. All
content, in particular layout, texts, photographs,
illustrations, and images, is protected by German copyright
law, both as a whole and in part.

Concept, design, text & implementation: boeck GmbH