

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

## ENTHUSIASTS IN TECHNOLOGY

### Deburring starts with the right tool.

Clean edges and efficient processes don't happen by chance. boeck stands for **practical deburring technology**. We, Marc and Jochen Böck, develop solutions with a strong focus on efficiency and real-world application.

In this issue, our customer **PS Laser** is in the spotlight. We also explain the difference between **cutting and brushing action of deburring brush discs** and introduce our **fibre discs**.

Enjoy the read and see you soon!

Marc Böck, Management / CEO

Jochen Böck, Management / CEO



Deburring film-coated sheet metal

Shop now!



## DEBURRING DISCS IN THE GREEN EDITION

The boeck GREEN Edition has been specially developed for the gentle finishing of film-coated and anodized sheet metal. The soft abrasive fleece, infused with aluminum oxide grit, adapts flexibly to contours and delivers a consistent edge-rounding result even at low contact pressure. Edges are reliably deburred while the protective film or anodized layer remains intact.

*Speed and feed are key to optimal results.*

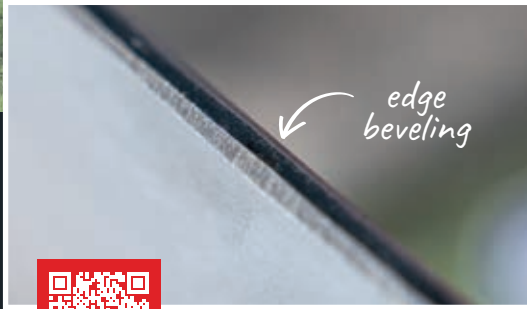
### GENTLE DEBURRING WITHOUT COMPROMISE



# FIBRE DISCS

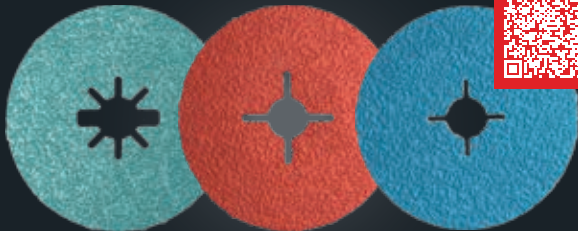
## CONSISTENTLY ENGINEERED FOR PERFORMANCE

Fibre discs from boeck deliver high performance for beveling, deburring and weld seam grinding and are ideally suited for use on angle grinders. High stock removal rates, a controlled finish and above-average service life ensure stable and cost-efficient processes even under demanding conditions.



watch the video

Find fibre discs in our online shop.



Backing pad M14 with cooling fins

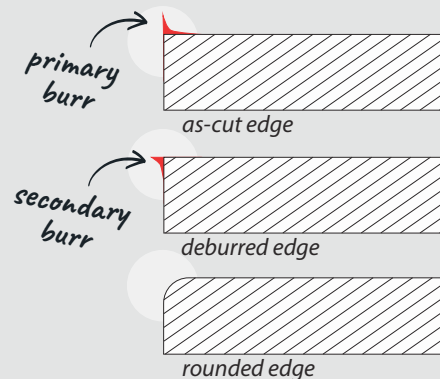


## DEBURRING AND EDGE ROUNDING

### DO YOU KNOW THE DIFFERENCE?

In practice, the terms deburring and edge rounding are often not clearly distinguished; however, they are technically two different processes.

During deburring, primary burrs are removed without altering the target geometry. This can result in a secondary burr. In edge rounding, the edge is intentionally machined, creating a smooth, continuous transition between surfaces in the form of a radius.





# TWO FAMILY-RUN COMPANIES.

# ONE GAME PLAN.

## SPEED. PRECISION. PROCESSES THAT WORK.

No one here is talking about “enough” in terms of performance: PS Laser sets a clear benchmark with eleven flatbed lasers, pushing capacity to the maximum. boeck sets the standard with its deburring tools, ensuring flawless sheet metal edges at the highest level for PS Laser. Shared values form the foundation of the collaboration between boeck and the PS Laser GmbH & Co. KG: high speed, clear processes and an uncompromising commitment to quality. “You can tell that the values here are very similar,” says Marc Böck, CEO of boeck GmbH.

Since its founding in 1988, PS Laser has continued to evolve: today, its range of services includes laser cutting, bending and punching, as well as assembly manufacturing and deburring as well as surface finishing. In deburring as well, machines and tools work together seamlessly: machines from Q-Fin and Lissmac – including the Lissmac SMD 545 and Lissmac SBM-L 1500 as well as the Q-Fin F200 XL and Q-Fin F1200 – are combined with tool solutions from boeck. Q-Fin handles single-sided deburring, while Lissmac takes care of double-sided deburring. Pre-grinding belts remove primary



*“I personally really like the QUICK-release system for changing the deburring discs. The process is simple and fast. We don’t have to screw anything; everything works without tools.”*

**Daniel Schröder**  
Innovation Project Manager,  
PS Laser GmbH & Co. KG

Shop now! →

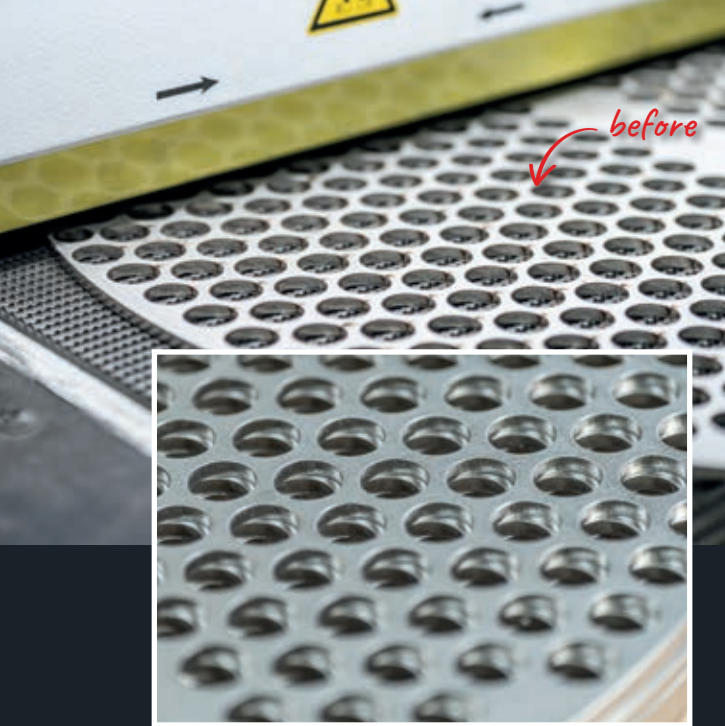
**CHANGEOVER TO HIGH SPEED**

**QUICK-RELEASE SYSTEM**



The QUICK-release system speeds up everyday work: a brief turn is all it takes, and the tool is changed in seconds. This saves setup time, ensures smooth workflows, and guarantees consistently perfect results.



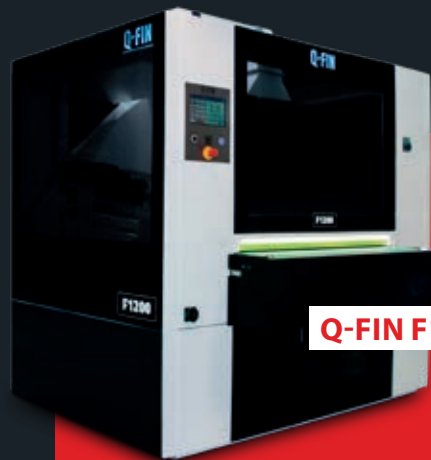


after ↗

burrs, while deburring discs ensure a consistent edge rounding. Efficient processes are a clear advantage: QUICK-release systems such as those used in the QUICK 260 deburring discs significantly reduce setup times. The strength of the partnership is also reflected in personal exchange. "When we receive a call that goods need to be delivered, we act as quickly as possible. Ideally, delivery takes place the very next day," says Böck. Daniel Schröder, project manager at PS Laser, adds: "The contact with boeck is always excellent. When I call, the CEO still answers personally. I therefore feel very well taken care of."



Marc Böck advises the managing director duo of PS Laser GmbH & Co. KG (from left to right: Maximilian and Jürgen Schröder)



**Q-FIN F1200**



**LISSMAC SMD 545**



**Q-FIN F200 XL**



**PROCESS-RELIABLE DEBURRING  
WITHIN A COORDINATED SYSTEM**

In the deburring machine park of PS Laser GmbH & Co. KG, a coordinated combination of the Q-Fin F1200 and F200 XL, Lissmac SMD 545, and the SBM-L 1500 ensures continuous precision in both single- and double-sided deburring.

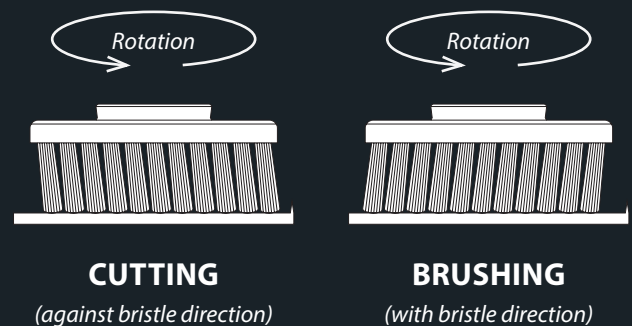
# KNOWLEDGE FOR CHAMPIONS

## CUTTING OR BRUSHING? HOW CHAMPIONS MASTER PERFECT EDGE FINISHING SYSTEMATICALLY.

In sheet metal processing, nuances often determine the quality of the final product. Anyone working with deburring brush discs knows: **not all brushes are the same**. The key factor is the **working principle**. The flexible nylon bristles coated with abrasive grit adapt to the workpiece on contact, removing primary and secondary burrs while simultaneously rounding the edge. Depending on how the bristles are positioned relative to the workpiece edge and the direction of movement, the tool acts either in a **cutting** or **brushing** action.



Even small changes in geometry determine whether the machining process engages the edge in a more aggressive cutting action or glides in a controlled manner over the surface. The simplified illustrations schematically show the principle based on the inclination of the filament bristles: from cutting (against the direction of bristle inclination) to brushing (with the direction of bristle inclination). All other process parameters remain unchanged in this example.



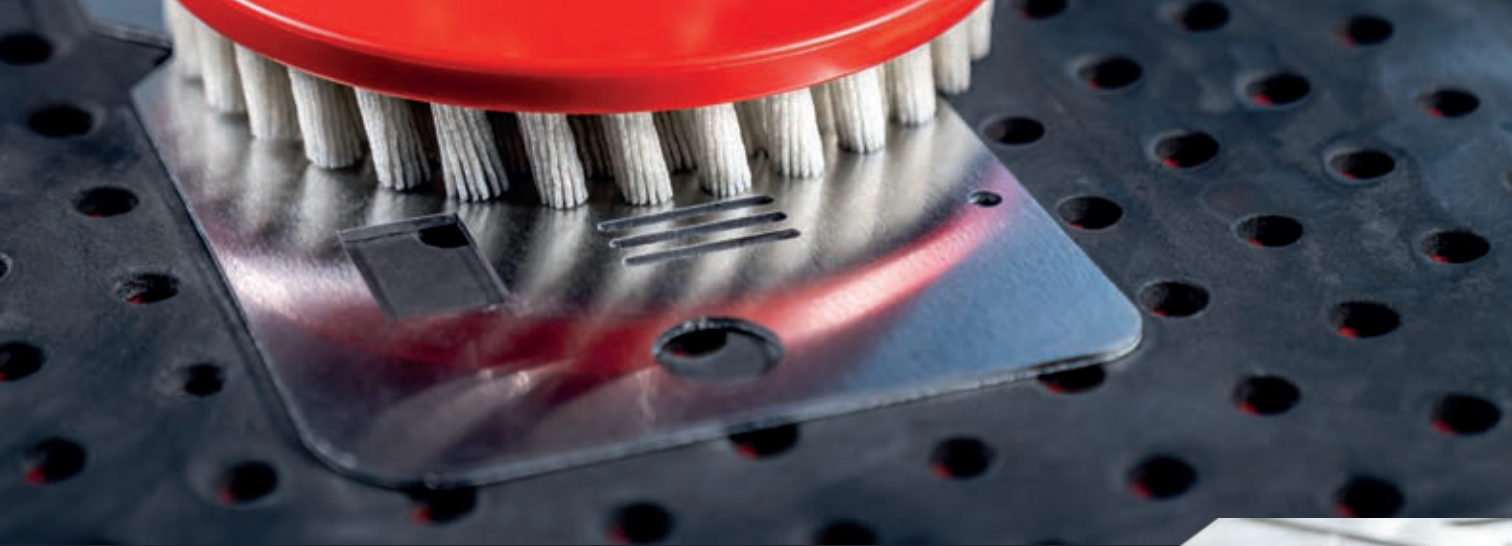
## THE FILAMENT DETERMINES

*Both filament density and length also influence the performance of deburring brush discs.*

*Dense filaments are suitable for demanding applications, while less dense filaments adapt better to tight contours.*

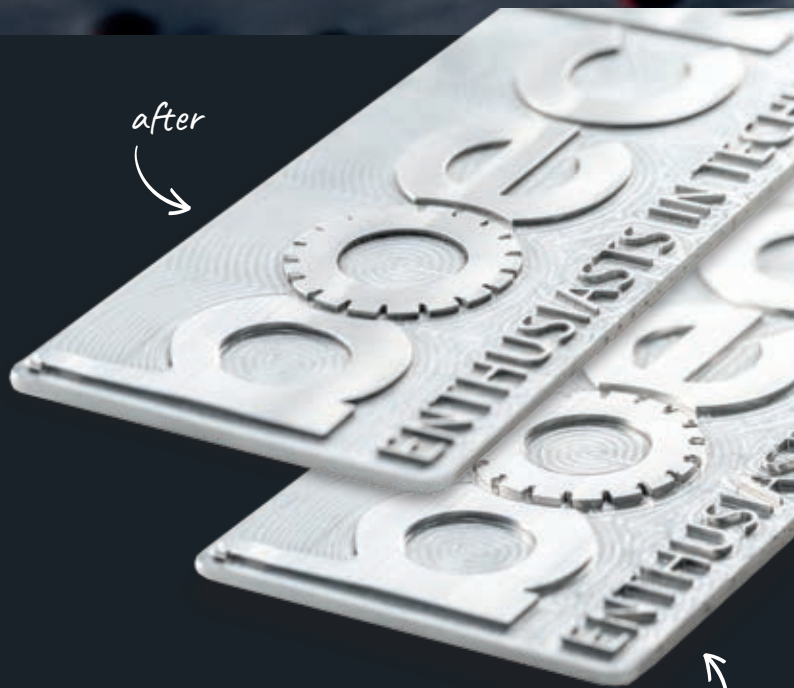
*Shorter filaments act more aggressively, while longer filaments are more flexible and adapt better to varying workpiece geometries.*





This precise interplay of bristle inclination, direction of rotation, and the elastic adaptability of the bristles forms the foundation of modern deburring processes. The targeted use of the cutting or brushing principle makes it possible to **precisely control** material removal and surface quality – from rapid burr removal to a fine finish.

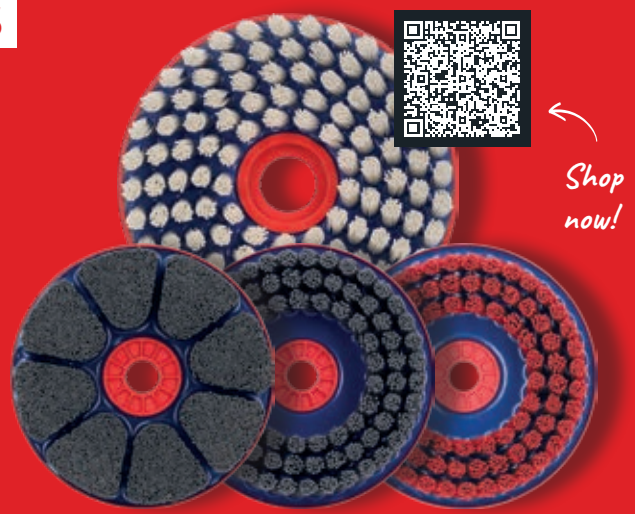
With the **deburring brush discs** from boeck, these principles can be precisely implemented in the process. Through defined bristle geometries and coordinated variants, users can flexibly choose between aggressive machining and controlled surface finishing, perfectly matched to the component, material, and process requirements.



## MAXIMUM PRECISION IN DEBURRING WITH BOECK DEBURRING BRUSH DISCS

Deburring brush discs from boeck stand for **efficient** and **process-reliable** machining of sheet metal parts, both in automated and manual applications. They reliably remove primary and secondary burrs, round edges, and ensure high-quality surfaces without altering the geometry of the workpiece.

The boeck product range includes four high-performance variants: from **STANDARD** for fine applications and **PROFESSIONAL** for high material removal, to **HERO** for maximum performance and **DIAMOND** for high-gloss surfaces.

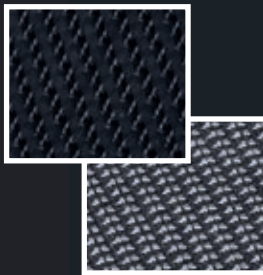




## VELCRO IN ALL FORMATS

### MANUFACTURING PRECISELY TAILORED TO YOUR APPLICATION

Velcro in industrial quality for a wide range of loads. From heart-shapes to delta sanders: custom geometries, optionally with **small** or **large** hooks and a **self-adhesive backing**.



We manufacture velcro precisely according to your application, your requirements, and your desired dimensions – custom-fit, reliable, and **tailored down to the last detail to your process.**



Make an  
inquiry!



@boeckgmbhinternational



boeck GmbH  
An der Werft 2  
89347 Bubesheim  
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

12th edition: 06/2026

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