



PHILOSOPHY

OUR MISSION

We leverage the universal benefits of glass beads for your special industry applications in energy-efficient ways.

OUR VISION

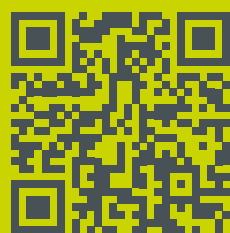
Industrial glass beads by SWARCO Indusferica – the world's preferred choice in all niches

OUR VALUES

Efficiency
Diversity
Intelligence

OUR MOTTO

Universal Efficiency



Follow.
Like.
Share.



SWARCO Indusferica
indusferica@swarco.com
www.swarco.com/indusferica

Imprint

Responsible for content:

SWARCO Indusferica,
Wipark, 14. Straße 11, 3363 Neufurth, Austria,
www.swarco.com/indusferica

Idea, design and artwork: studio0816.at

English translation: Irina Pálffy-Daun-Seller

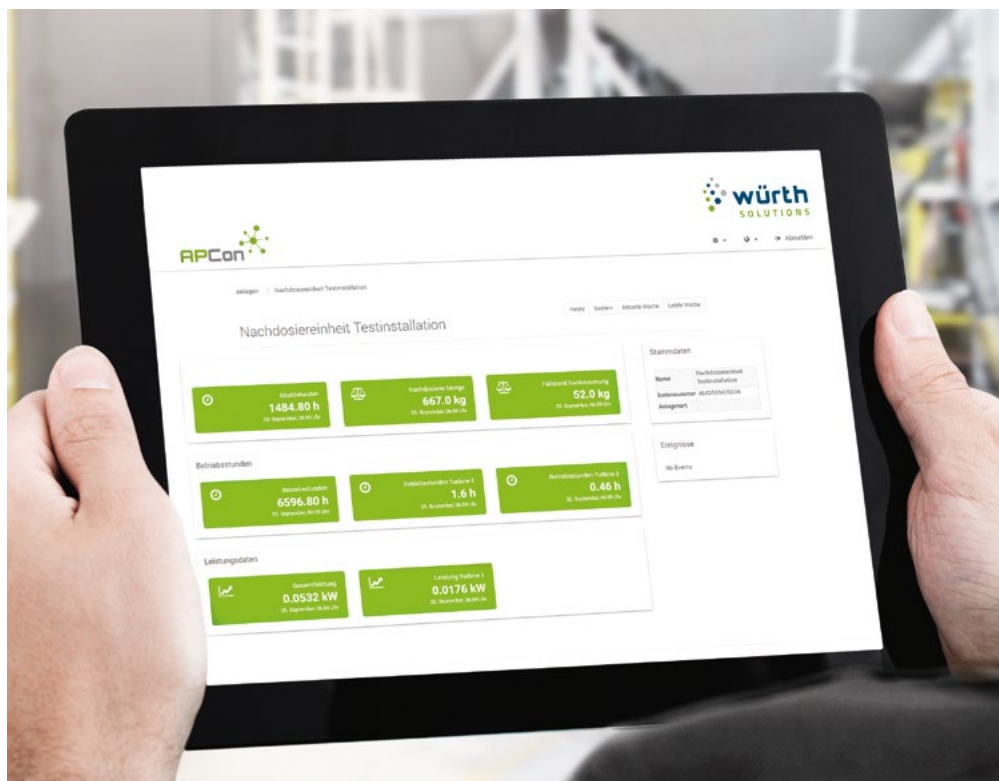
Printed by druck.at. Subject to change without notice.

No liability for errors or misprints. For the sake of brevity, only one gender may be used on occasion. However, this does not imply any discrimination against the other gender.

If you no longer wish to receive our newsletter, please send an email to indusferica@swarco.com.

BLASTING 4.0

Digital Intelligence
for Stable Blasting Processes



Blasting systems are digitally controlled and documented using smart technology.
Photo credit: Eisenwerk Würth GmbH

Digitalization is fundamentally changing industrial blasting processes and opening up new paths to greater efficiency. Eisenwerk Würth GmbH's Blasting 4.0 project illustrates how intelligent technologies can effectively overcome traditional blasting challenges and sustainably optimize processes.

Thanks to targeted process monitoring, problems such as high blasting media consumption, unexpected downtimes, excessive wear and fluctuating quality are a thing of the past. The concept centres on recording all relevant parameters seamlessly and digitally. Sensors measure the performance of each individual blasting turbine in real time and continuously monitor the state of the blasting abrasive blend using winnowing. A smart consumption recording system ensures precise re-dosing in order to always provide the optimal amount of blasting medium.

This automated control often enables a drastic reduction in consumption. For example, an agricultural machinery manufacturer could reduce its blasting media consumption from around 90 kg to less than 45 kg per hour. In addition, a digital maintenance log continuously documents the system status, detects wear on the blasting system at an early stage and provides information in good time when maintenance is needed.

All data is provided clearly and centrally in a digital data cockpit so that deviations can be responded to immediately. The benefits for companies are measurable: lower material costs, reduced energy consumption, less downtime and consistently high surface quality. Users also benefit from complete process documentation, which provides significant advantages during customer audits. In this way, investing in this smart technology ensures stable, cost-efficient and high-quality blasting processes in the long term.

2025
ISSUE 2



ALL-ROUNDER

News and Updates from SWARCO Indusferica



A WEBSITE READY
FOR THE FUTURE

EXPERTS WITH
THE RIGHT PROFILE

PRECISION FOR
THE HIGHEST DEMANDS

CHOOSE
MULTIPLE USE

BLASTING
4.0

#needforbeads

www.swarco.com/indusferica



Dear readers,

Innovation, precision and sustainability – these three guiding principles drive industrial surface treatment now more than ever. In this issue of the All-Rounder, we take a look at pioneering developments that not only make processes more efficient, but also meet growing demands for quality and environmental compatibility.

In this context, choosing the right blasting medium is key. While SWARCOBLAST glass blasting granulate offers impressive intensive cleaning, SWARCOBLAST glass blasting beads offer particularly gentle treatment of sensitive surfaces. Both are reusable, making them a sustainable alternative allowing for resource-efficient and cost-effective solutions.

Whether in medical technology, aviation or metal finishing – wherever maximum precision is required, innovative blasting processes make a significant contribution to ensuring quality. Adding in digital optimizations creates blasting processes that are efficient, sustainable and achieve consistently high results.

Enjoy an exciting read with practical insights into the future of surface treatment!

Best regards,

Krisztian Seres
Key Account Manager
SWARCO Indusferica

A WEBSITE READY FOR THE FUTURE

Clear Structure, Dynamic Design

Our online presence is getting a new look. The new SWARCO Indusferica website unites modern design, a smart structure and innovative features to make it even easier to access content.

Instead of long searches, the website's clear navigation takes you directly to the information you need. Dynamic elements ensure lively interaction, while our optimized architecture makes the site effortless to use on any device.

We are focusing on progress and a user-friendly experience with our new website design. The launch is planned for this summer – stay tuned!

EXPERTS WITH THE RIGHT PROFILE

Choosing the Right Blasting Medium

Although glass blasting beads and glass blasting granulates are similar, each material has distinct properties. The right choice depends on your requirements profile.

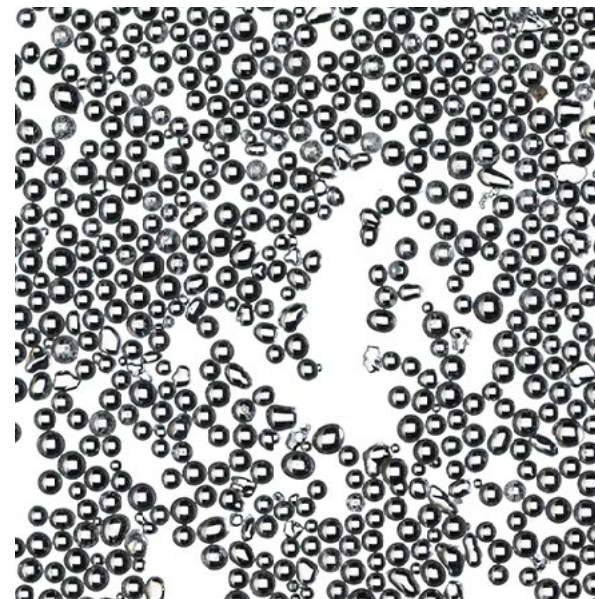
SWARCOBLAST glass blasting granulate excels thanks to its sharp edges. It is ideal for quick, intensive cleaning and for roughening of metal surfaces prior to coating. The granulate demonstrates impressive efficiency especially when it comes to reliably removing stubborn dirt and coatings.

SWARCOBLAST glass blasting beads work differently. Round and smooth, they allow for particularly gentle blasting. This is key in compacting sensitive surfaces, or lending components made of stainless steel a matte, silky sheen. This is essential in sensitive industries, in particular, such as medical technology.

Having the choice between granulate and beads makes it possible to achieve nearly any desired surface quality with precision and cost-effectively.



The granulate's sharp-edged structure allows for quick and thorough cleaning of metal surfaces.
Photo credit: SWARCO Indusferica



The round shape of the glass beads lends sensitive surfaces a silky sheen.
Photo credit: SWARCO Indusferica

PRECISION FOR THE HIGHEST DEMANDS

Perfect Surface Quality for Medical Technology

Hardly any other field has requirements as high as medical technology. Surface quality is often decisive in determining the usability of instruments and implants. Glass bead blasting has established itself as an effective and gentle method that sets the standard in precision and hygiene.



Medical instruments benefit from smooth, residue-free surfaces.
Photo credit: Adobe Stock

The spherical glass blasting beads are ideal for cleaning delicate medical instruments and achieving lasting improvement of the surface quality. Glass bead blasting reliably removes toolmarks, reduces roughness and creates a surface that makes adhesion of bacteria and contaminants much more difficult. Surgical instruments, in particular, benefit enormously from this process, as smooth surfaces are much easier to clean and sterilize.

Here, SWARCOBLAST glass blasting beads make a compelling case, because they don't leave any residues on the workpieces. This ensures compliance with strict medical technology standards, making this process an essential step in the production of high-quality medical instruments.

Whether they are used for surgical scissors, forceps or implants – blasting glass beads reliably deliver precision and safety at the highest level.

CHOOSE MULTIPLE USE

For Durability and Sustainable Resource-Efficiency

Industrial surface treatment is increasingly focusing on sustainability. The reusability and durability of SWARCOBLAST glass blasting beads make them a particularly sustainable blasting material.

Where conventional blasting media often wear out quickly, glass beads can be used multiple times thanks to their robust and abrasion-resistant structure. This reusability not only reduces consumption, but also significantly lowers operating costs and waste. Companies therefore benefit from long-term cost savings while actively protecting the environment at the same time.

Another advantage is the closed material cycle. SWARCOBLAST glass blasting beads are produced from high-grade recycled glass and contribute to conserving valuable primary raw materials. Unlike quartz sand, for example, glass beads don't release any hazardous dust, which considerably improves safety and comfort in production for significantly better working conditions.

The use of blasting glass beads and granulates is therefore not only a matter of quality, but also an expression of responsible corporate management. Investing in sustainable processes secures competitive advantages for the future: a clear added value that combines economic efficiency with environmental awareness.

#needforbeads



SWARCOBLAST AT A GLANCE



SCAN THE QR CODE
TO FIND OUT MORE