



Looking to protect your machinery  
or those of your clients from *corrosion*,  
*contamination* or *degradation*?

Discover SublimotionProcess<sup>®</sup>, the ultimate  
solution for surface treatment technology.



## THE OBJECTIVE

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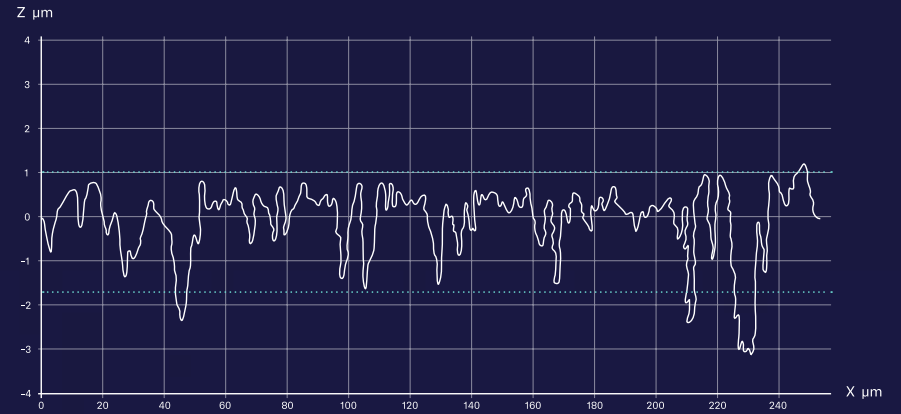
# Best-level surface quality

**SublimotionProcess® offers unparalleled protection against adhesion, bacterial growth and corrosion for stainless steel and other materials, whether on straight surfaces or welded joints.**

At the heart of SublimotionProcess® lies the objective of obtaining surfaces that are not only highly resistant to corrosion but also exceptionally easy to clean. With SublimotionProcess®, achieving an optimal cleanable surface is not just a goal but a guarantee. By projecting specific particles onto the surface of stainless steel, SublimotionProcess® removes all contaminants, resulting in a reconditioned surface that is pristine and ready for use in even the most demanding environments.

# Topography

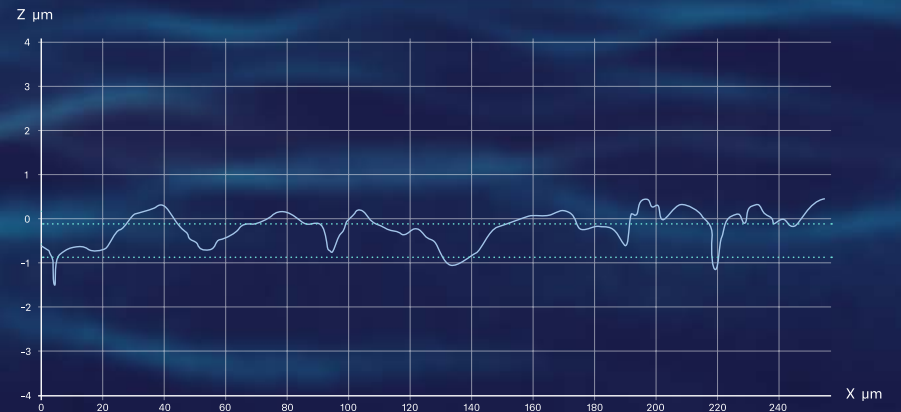
*fig. 1 Stainless steel surface finished with chemical pickling*



*fig. 2 Stainless steel surface finished with conventional bead blasting*



*fig. 3 Stainless steel surface finished with SublimationProcess®*



## THE REASON

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# The importance of a consciously engineered surface topography

### 1. Prolonging machine lifespan

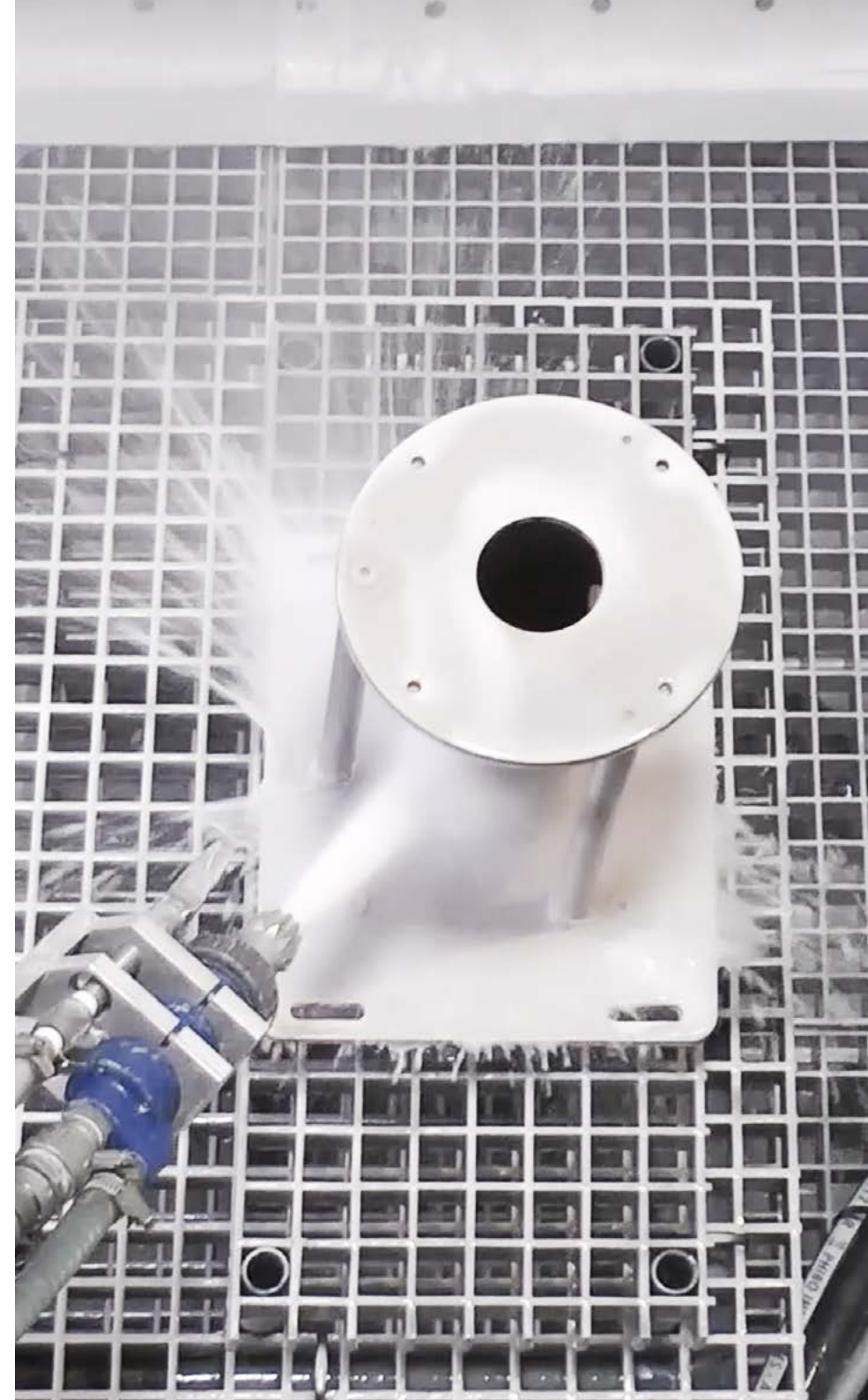
*In the robust world of industrial machinery, longevity reigns supreme. A consistently pure and smooth surface profile shields equipment from corrosion, ensuring prolonged functionality and reliability in demanding operational environments.*

### 3. Optimizing maintenance efficiency

In modern manufacturing efficient production is key. For end-users, a seamlessly homogenous and resistant surface minimizes maintenance, cleaning and disinfection tasks, allowing for more time to be spent on actual production. Downtime due to upkeep is minimized, ensuring continuous operations and overall productivity and profitability.

### 2. Safeguarding product integrity

In industries where product purity is paramount, such as food processing, pharmaceuticals and semiconductor fabrication, contamination poses a significant challenge. A uniform, low-adhesion surface texture acts as a protective shield, ensuring product integrity and meeting rigorous quality standards.



THE RESULT

# The looks of SublimotionProcess®

*After SublimotionProcess®*

*Before SublimotionProcess®*



## THE BENEFITS

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# Technological benefits of SublimotionProcess®

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- + Radically resilient**  
Boost durability with a resilient surface that withstands wear and tear, reducing maintenance needs and improving operational efficiency.

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  - + Corrosion-proof**  
Extend the lifespan of your equipment with a surface that resists corrosion, ensuring longevity and reliability.

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  - + Adhesion-avoiding**  
Ensure a cleaner and safer environment by minimizing the adhesion of product, dirt, oil and other substances, preventing contamination.

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  - + Clear to clean**  
Optimize hygiene with easily cleanable surfaces, reducing the risk of bacterial growth and ensuring compliance with hygiene standards.

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  - + Visually stunning**  
Achieve an aesthetically pleasing and homogenous finish, enhancing equipment appearance while attaining high-quality standards.

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  - + Eco-friendly**  
Champion environmental responsibility and ensure safety with a chemical-free, eco-friendly solution.

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  - + Cost-saving**  
Choose reliable processing equipment and experience cost savings through reduced waste production and lower energy and suspension usage.

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We provide the technology to recondition every surface, meaning the machines, the suspension, the training and the service.

Contact us for more information at  
[sales@sublimotionprocess.com](mailto:sales@sublimotionprocess.com)



Validated and certified  
by some of the most  
important authorities



ArcelorMittal




Joining your future.

Belgian Welding Institute

Rest assured, SublimotionProcess®  
has undergone rigorous validation and  
certification by preeminent authorities in  
the field such as EHEDG, BIL, OCAS and the  
Universities of Leuven and Ghent. So don't  
just take our word. Instead, take theirs!

**KU LEUVEN**





More info  
[www.sublimotionprocess.com](http://www.sublimotionprocess.com)