

Run-ready bandsaw blades, courtesy of wet blasting

Question:

What could be more ambitious than overhauling your business' incumbent dry blasting process, by installing a new finishing system that uses superior technology to refine your products?

Answer:

Doing so in the midst of a global pandemic.



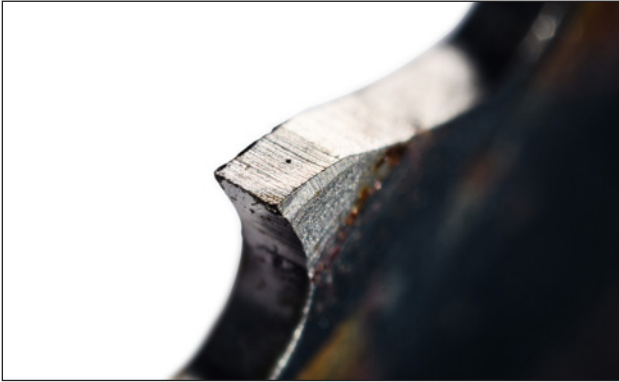
Our client, Armoth, did exactly that, investing in a new wet blast system from Vapormatt. The Polish manufacturer introduced wet blasting into its manufacturing operations in May 2020 – at the height of the COVID-19 pandemic.

Smooth, safe and secure installation

The team at Armoth took delivery of their new Profelis wet blasting system with hot wash unit, sent from Vapormatt HQ in the UK.

“We wanted to ensure safety at every step,” Jan Klepuszewska, Armoth

Armoth together with Vapormatt and our Polish channel partners, Poltech Engineering, managed to install and commission the machinery remotely for maximum safety during the pandemic. We provided support and training via conference calls where it was needed to ensure successful installation and operation, following up with a commissioning engineer as soon as it was safe to do so.



Before

Automated tech for updated operations

The Profelis is a continuous automatic machine that runs for three shifts a day. Armoth uses their new machine topeen specific areas of their bandsaw blades, as well as create a reactive ‘wet-out’ surface and cutting-edge enhancements to their bandsaw blade teeth.

Jan Klepuszewska, the owner of Armoth, says wet blasting has greatly improved product quality and performance – essential for their markets that demand highly-accurate and robust tools.

The Profelis replaces their dry blasting machine, eliminating its main disadvantage - the huge quantities of dust and noise generated. The Profelis model is now an integral part of Armoth’s production line and has an ‘auto top-up’ system for abrasive media that triggers based on run-time. There’s also an integral system that uses cyclones to remove broken down abrasive, with a re-circulated rinse package to keep the whole system a closed loop, hence preventing any water loss.

“Peening is important for sawblades, as it helps to create a product that lasts longer for the end user and gives them better value for their money”

Jan Klepuszewska, Armoth



After

A superior product with Profelis wet blasting

Wet blasting gives Armoth the aesthetic finish they’re looking for on their bandsaw blades’ surfaces and a reactive ‘wet-out’ surface that ensures they retain protective oil more efficiently.

In addition, the process applies an edge radius to the saw teeth, meaning their customers no longer need to run in blades at a slower production speed. Jan continues, “By creating a predefined edge hone, the Vapormatt Profelis gives us the ability to control the quality of our bandsaw blades, making them ‘first run ready’, rather than expecting the end customer to create an uncontrolled hone by slow running.”

Jan says he would definitely recommend wet blasting to others – evidenced by his plans to expand his production and invest in a further Profelis machine.

If you’d like to learn more about the many advantages of wet blasting for your bandsaw business, or if you have a specific requirement you’d like to discuss, please contact us via our website, we’ll be happy to help. www.vapormatt.com/contact-us



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