



Upgrading the pumps for a premium Swiss rasp and file manufacturer's wet blasting machines.

Premium Swiss rasp and file manufacturer, Usines Métallurgiques de Vallorbe have been manufacturing tools since 1899. Located in the heart of the Jura Mountains in Switzerland, they are world leaders in precision file manufacturing.

Vallorbe's tools are sold in more than 80 countries and cover a large number of applications for a wide variety of trades such as jewellers, watchmakers, woodcutters, blacksmiths and precision engineers.

Wet blasting is a long-established part of their tool cleaning and sharpening process. In fact, they've been using wet blasting for over half a century now thanks to its reliability and repeatability.

Vallorbe approached Vapormatt when they struggled to source replacement pumps for their existing wet blasting machines.

We offered them 'Vapormatt Inside' – a service that involves upgrading wet-blasting machines made by other manufacturers, with Vapormatt technology.

It's a highly cost-effective way of increasing the life and performance of existing equipment without the expense and lead times associated with a new machine. In this case it resolved an ongoing performance issue with their existing wet-blasting machines.

In addition to the issue of sourcing replacement pumps, our audit identified a design issue with the original pumps. The pumps often blocked with abrasive during periods of downtime overnight and at weekends, this made them notoriously difficult to restart.

As a result of the Vapormatt Inside service, the new pumps were fitted at an angle to overcome the issues of abrasive blockages. The upgrade was done using readily available spare parts that eliminated any supply chain issues. The final result; machines that started first time every time and that Vallorbe could finally rely on.

Vapormatt inside is ideal for when a more robust, repeatable, and reliable system is needed. We can even offer Vapormatt Inside when the original manufacturer is no longer in business. And, it's a service we can offer to every organisation that has a wet blasting machine, in every country.

