

Case study

Medical wire manufacturer

How wet blasting helps a leading medical wire manufacturer meet strict quality standards



This manufacturer* is a world leader in the production of Nitinol products for the medical industry. Nitinol is an alloy of nickel and titanium that is highly biocompatible making it ideal for all sorts of medical applications.

With the ability to support highly complex component designs, the Nitinol wire they produce is used for all sorts of medical device applications, including catheters, stents, needles, mandrels and surgical instruments.

As you would imagine, any wire used for medical products must be of the highest quality and perfectly clean. In fact, all the medical products this manufacturer produces must meet strict ISO and FDA standards.

And it is the 'perfectly clean' aspect of their wire quality their Vapormatt Profelis system addresses. Sitting in-line with their existing production setup, their Profelis degreases and rapidly cleans the Nitinol wire.

The fact the Profelis sits in-line with their existing manufacturing massively helps with not only the speed of cleaning but ultimately productivity and ROI of the Profelis system itself. The special design of the Profelis' blast gun manifold ensures thorough 360° wire cleaning and integrated rinsing and drying adds to the overall productivity of the system.

When cleaning wire products of this very high level of quality, the ability to control the process to precisely what is required is of paramount importance, something the wet blasting process in general and the Vapormatt Profelis are especially good at.

Automation ensures precisely the same perfect cleaning result is delivered every time so the quality team at this particular manufacturer can rely on their Profelis system to consistently meet the ISO and FDA quality standards required.

*Our wet blasting systems deliver distinct productivity and quality competitive advantages to our customers, because of this we are often asked to sign Non-Disclosure Agreements (NDAs) to keep our customers' details confidential. That is why we cannot include the name of the manufacturer in this case study.



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