



## **Expanite, the Danish pioneer within surface hardening of stainless steel adds US patent to portfolio.**

***Expanite is proud to inform that the United States Patent and Trademark Office USPTO have issued the company patent application: “Method for solution hardening of a cold deformed workpiece” – normally referred to as “SuperExpanite”. The patent covers the unique combinatorial-hardening of stainless steel where wear and corrosion resistance is improved remarkable.***

“Actually, the process has been both fast and smooth” CTO and co-founder of Expanite Thomas Strabo Hummelshøj says and continues: “In 2013 Expanite submitted the application to USPTO and now only 3 years after we are granted the patent - this illustrates how fast and effective the process has been running. Our business is based on knowledge and essentially focused on developing and selling technology to customers. The patent protection is therefore most crucial in securing our future. Every time we obtain a patent we can protect our customers and thereby ourselves – even better” Thomas Strabo Hummelshøj concludes.

CEO Thomas Abel Sandholdt adds: The official authorization from USPTO is of high importance to Expanite and our customers – apart from being a blueprint for our technology we also ensure that the value we offer to our customers is better protected. The US patent is of great importance hence Expanite has a great deal of global customers and an affiliated company in Ohio, US. We are focused on global growth and the protection of our assets is part of the long-termed strategy.

### **Several patents pending.**

“The SuperExpanite patent” is also issued in Japan, China and South Africa and also in fx. Brazil, Russia, Korea and Europe the patent applications are pending.

### **The SuperExpanite Technology.**

With the patterned process SuperExpanite it is possible to increase the surface hardening of stainless steel by up to a factor 10, while maintaining or even improving corrosion resistance. This method is considered unique since it’s suitable for austenitic, ferritic, martensitic and duplex stainless steels. Parts can be treated with extremely short lead times – a few days – which is previously unseen within surface hardening of stainless steel.

### **Expanite – all over the world.**

Expanite was founded in 2010 by leading experts within surface treatment of stainless steel. Expanite is based in Hilleroed, Denmark, has a treatment facility located in Twinsburg, Ohio and will soon open a new facility Stuttgart, Germany. For further information, please contact Thomas Abel Sandholdt, CEO at Expanite, +45 2040 7207, or check out the web: [expanite.com](http://expanite.com).