

SUCCESS STORY

LONG LIFE PLANETARY THREAD ROLLING
TOOLS TO PRODUCE NAILS

Nail manufacturing company
**increase thread rolling
productivity by 78%** thanks to
Heroslam planetary dies

HEROSLAM

Long Life Thread Rolling Tools

For over 80 years, we have worked with a broad variety of customers from different industries such as automotive, aerospace, energy, construction and nail manufacturing. And thanks to Heroslam's wide experience in providing its customers with high-quality and long-life thread rolling tools, we have become the preferred suppliers to renowned companies within the fastener industry. And Heroslam has forged long-term relationships with these companies.

At **HEROSLAM**, we have numerous success stories. In this case, we explain how we collaborated with a nail manufacturing company to improve their thread rolling operations.

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CHALLENGES

In this case, the goal was to improve the productivity of their nail thread rolling process. During the initial contacts, the customer provided us with all the technical information about the nails that the company was producing as well as the type of machines the firm was using in its thread rolling operations.



PROPOSED SOLUTION

Our engineering team performed an exhaustive analysis of the process, including the parts, tools and thread rolling machines used. Based on our experience, we defined the following step-by-step solution:



Solution proposal and budget

- ✓ Once the customer's needs were clarified and all the necessary technical information was validated, we developed an initial tool design proposal that we shared with the customer. This initial proposal was slightly modified as per the customer's feedback. Simultaneously, we presented a price quotation for the production of sample tools based on the agreed design.



Production of samples and testing

- ✓ We produced the first tool samples for testing purposes. As per customer's feedback on the initial tests, we analysed potential improvements, we fine-tuned our initial design and we produced a second version of samples. The results of this second round of tests were optimal.



Tool coating

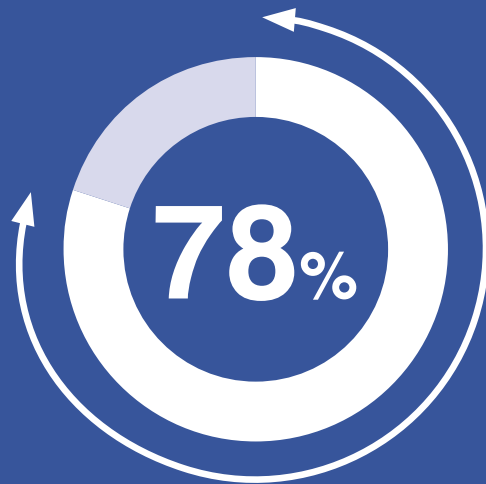
- ✓ Once the final design was validated by the customer, we applied our special NIT coating to the dies, ideal for the type of nails the customer was manufacturing. This action doubled the durability of the tools compared to the tools the customer was previously using.



Implementation of a tool regrinding service

- ✓ We proposed our regrinding service that allowed the customer to reduce their tooling costs, since a reground tool has a significantly lower cost than a new one. In addition, this service contributed to the client's sustainability strategy by encouraging tool recycling and promoting a circular economy.

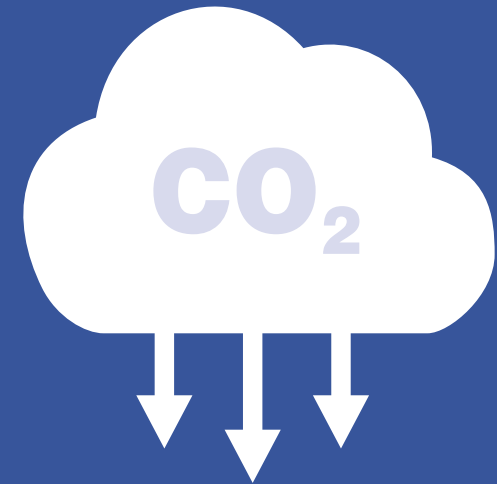
RESULTS



Increase in thread rolling productivity



Reduction of thread rolling costs




Reduction of carbon footprint by tool recycling

CONCLUSION

After conducting several tests, the customer achieved an optimized thread profile and a significant improvement in the volume of nails threaded with Heroslam's planetary dies compared to the tools the customer was previously using.

We are specialists in the design and manufacturing of planetary dies for nails. Our exclusive thread profile designs, together with our state-of-the-art grinding equipment, proprietary coatings and tool regrinding service, allow us to offer top-quality and long life tools that help our customers increase productivity and reduce tooling costs.





Are you looking to enhance your thread rolling operations and boost productivity?

Let us help you lower your thread rolling costs.

Reach out to our team of experts, who will tailor an optimal solution to your specific needs. Contact us today and experience the difference!

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