

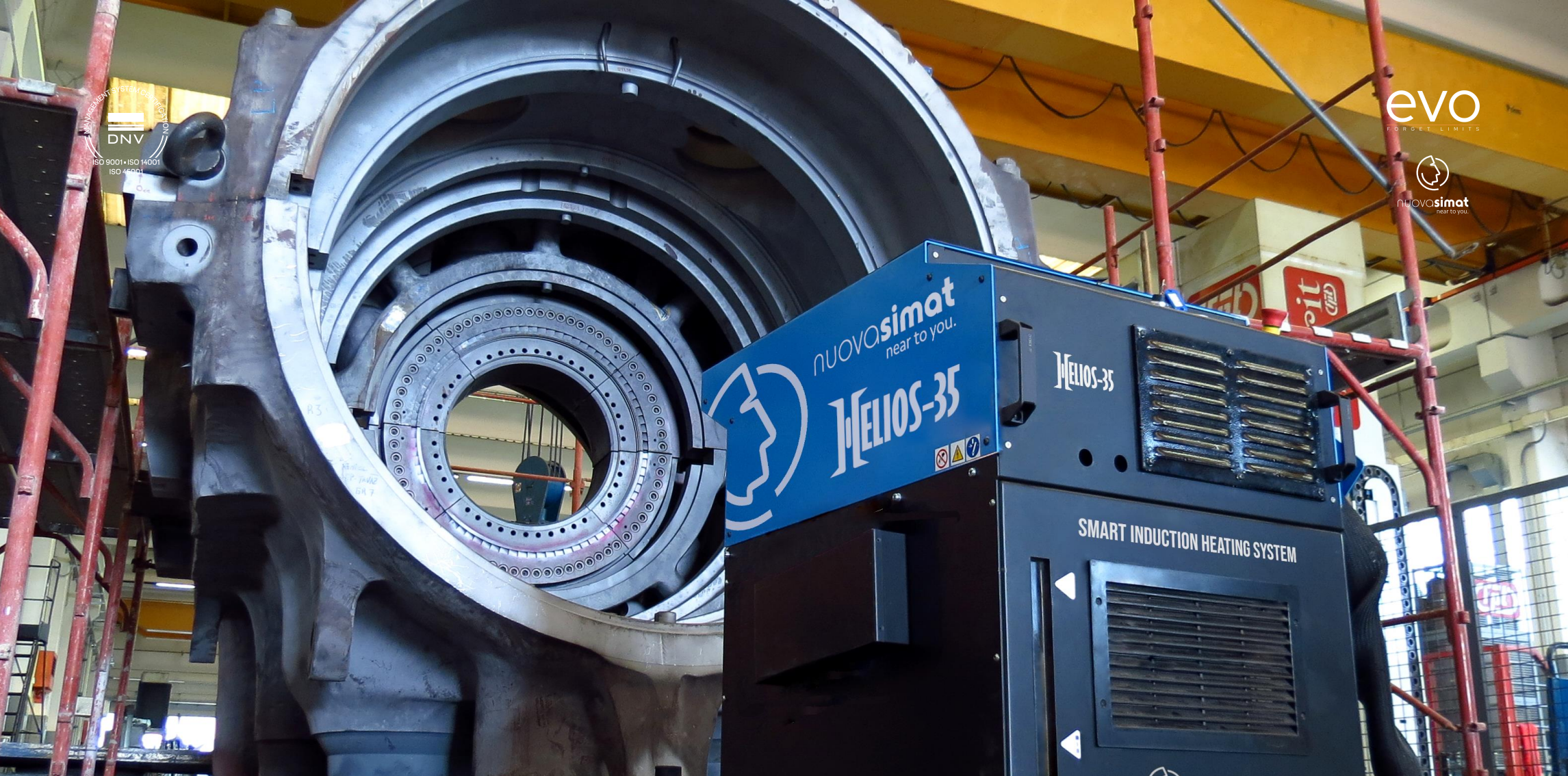


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HELIOS-35

INDUSTRIAL INDUCTION HEATING

A solution for turbine case bolting and many other industrial applications



Overview

The standard version of Helios-35 is equipped with a USB port and is designed to communicate remotely, so as to comply to 4.0 Industry Standards. This unique induction heater has been patented.



General Use

The most common use of Helios 35 consists in heating up the hollow bolts of turbine casing or valves, through a straight inductor which generates the magnetic field inside the bolt hole. When equipped with ring-shaped inductors, can heat up any cylindrical surface, such as seized nuts for their quick removal.



Power and Safety

The heating power of our magnetic induction machine is remarkable and allows to heat ferromagnetic components reducing overall process time by 80%. An outstanding result considering how slow and risky the old and obsolete electrical resistances/free flame heating methods were.



All in One

Differently from other bolt induction heating machines, Helios-35 is an all-in-one system. Apart from being really compact in dimensions, it doesn't need additional cooling systems or external water sources! It simply relies on an internal cooling system, which guarantees long hours of continuous functioning.



Remote Assistance

With this option you can benefit from the advantages of our special Technical Assistance Service (T.A.S.) including:

- Real-Time Technical Support
- Periodic Functioning Reports
- Maintenance Discounts



Smart Power Regulation

Given the diversity of inductors, which are custom built, this machine is equipped with a power control system so as to guarantee that each inductor can always work at its maximum efficiency.



SEE IT IN ACTION



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MM-6000

MODULAR MILLING MACHINE

A solution for long-range milling operations



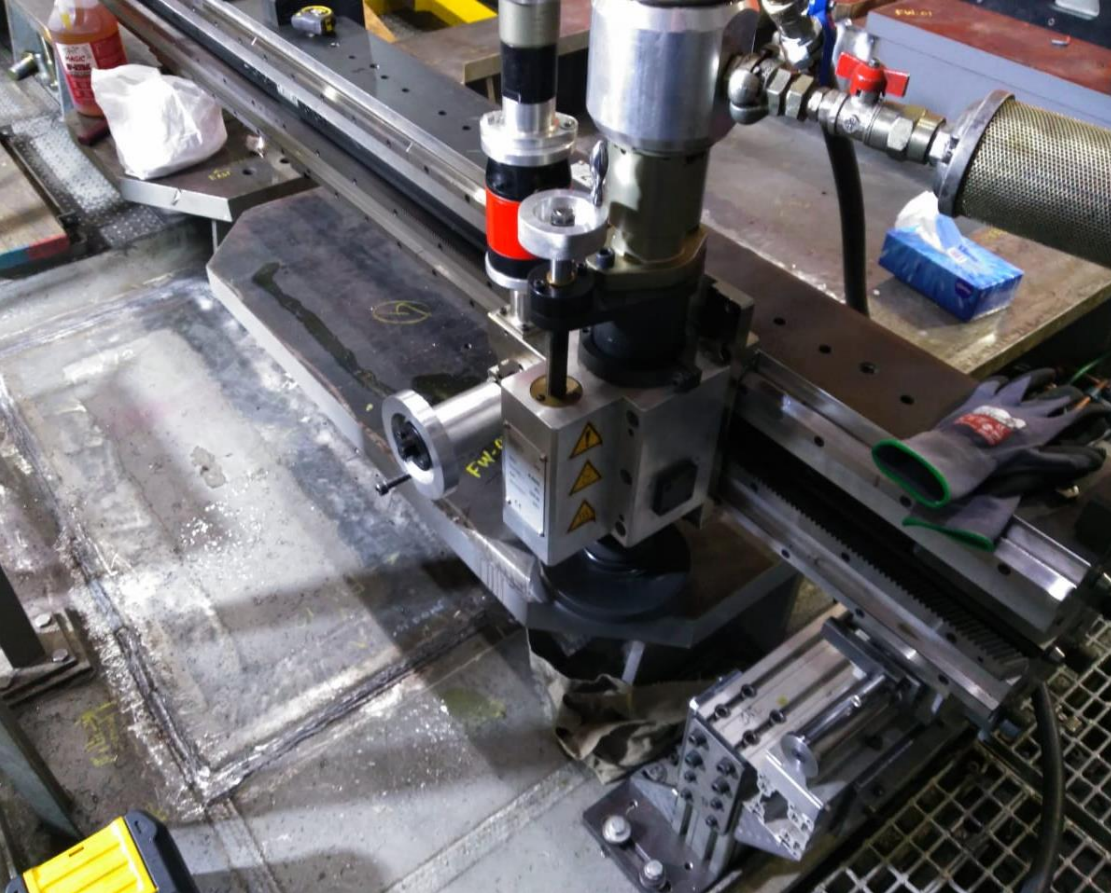
Overview

Our R&D Department managed to design and assemble this technical solution to create unique equipment to satisfy the demand for portable milling machines for site operation. This one is modular, it can adapt to longer distances.



General Use

This portable machine tool has been designed to be directly applied on site for flattening metallic surfaces. Its clamping system allows it to be mounted on any kind of support.



Issues it Solves

This technology can be applied in every industry, where flat elements must keep a certain geometry and tolerance. From Oil&Gas to Steel Mills and Petrochemical Plants, just to mention a few.



Performance and Reliability

The equipment that we have conceived, is positioned at a higher level with respect to other milling units available on the market, both in terms of performance and reliability, having the ability to adapt to any particular technical necessity.



Modular Lengths

The main advantage of this equipment is its complete flexibility of use, embracing a much higher dimensional range starting from 1.5m, covered by a single milling module, which can be theoretically multiplied with no limits up to infinity.



Steadiness and Precision

Our R&D Dpt. had to pay particular attention to the connection between the milling modules as this is the critical junction point. We designed a rigid structure, which erases any vibration or bending risk, ensuring a great surface finish result on unlimited lengths.



SEE IT IN ACTION



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BS-060

POWER COUPLING MACHINING

A solution for Power Coupling precise machining.



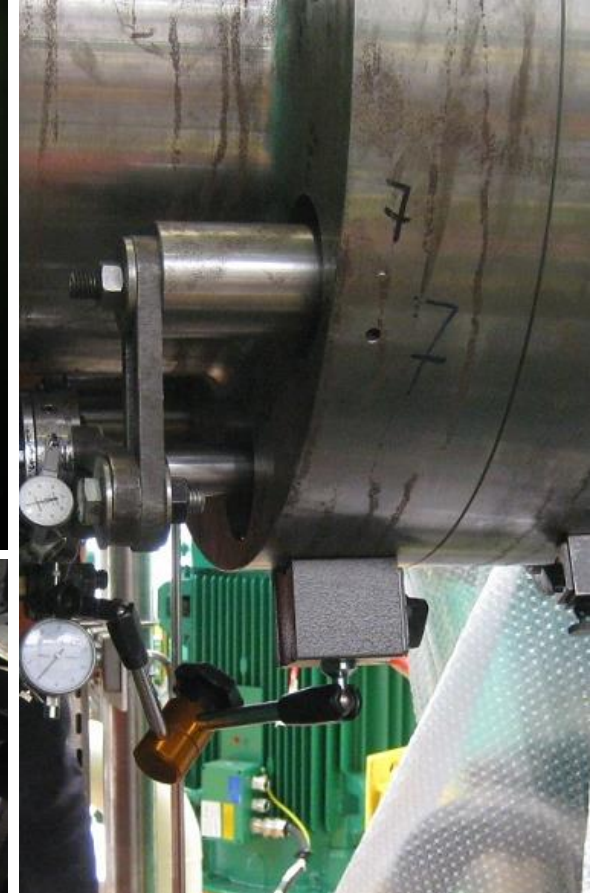
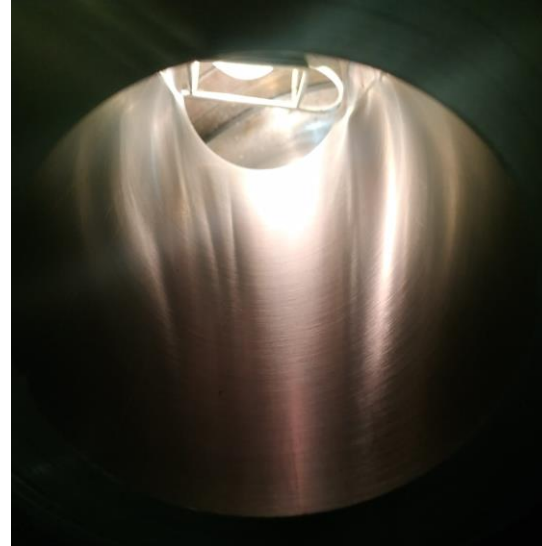
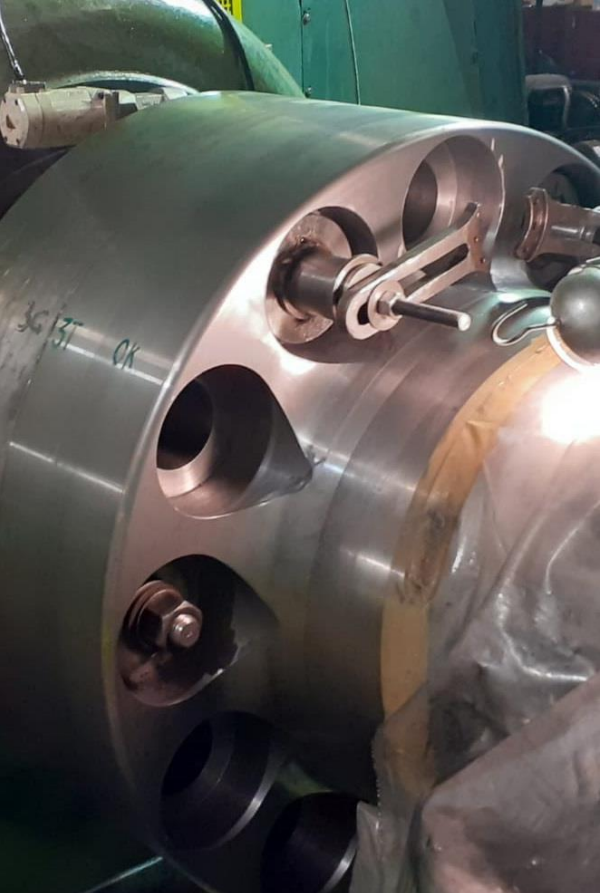
Overview

Our BS060 is a portable line-boring-machine especially designed for precise re-machining of coupling holes in turbine or generator shaft couplings. Unlike common boring machines, our BS060 allows the operators to easily setup and work in low clearance spaces.



General Use

Power couplings are a critical part of a rotating machine. Coupling flange joint is achieved by calibrated bolts working on shear stress. For this reason, it is important to perform the in-line boring of both flanges' holes, in order to get An outstanding result in terms of diameter precision and roughness.



Suits Low Clearance Conditions

There is a single motorization which automatically drives both the rotation of the bar and the feed of the tool, unlike other products available on the market. Such compact layout allows to bore even in extremely low clearance conditions, as it frequently happens in rotating machinery.



Electronic Control System

Our standard unit covers a range from 80mm up to 200mm thanks to special extensions. It is also equipped with a cutting-edge control system on the electric motor which ensures an easy and precise speed regulation, besides providing several real-time data on the status of the machining process



Adaptive Working Ranges

Moreover, our BS060 can be fully adjusted both in terms of bar length and mounting supports which can be adjusted radially and mounted on the existing holes of the flange. This way it guarantees to perform an extremely high precision machining.



Tailored Machining Tool

Our Research and Development department would be fully available to customize any size of coupling bore machine to work even bigger diameters in accordance to the dimension of your application. Please feel free to get in touch with us when you have a "mission impossible" to perform!



SEE IT IN ACTION



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Contacts

Mon - Fri | 08:00 - 17:00



info@nuovasimat.com



+39 0586 983108



www.nuovasimat.com



Livorno - Italy



Website Direct Link



nuova**simat**
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