

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 85



UCIMU-SISTEMI PER PRODURRE



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NEW FICEP CNC WORKING CENTER ENERGY: THE COMPLETE SOLUTION FOR THE ONSHORE AND OFFSHORE WIND INDUSTRY

Wind energy is certainly one of the key drivers for reducing CO2 emissions by 2050. To move towards this horizon, many nations are investing significant capital in the construction of onshore and offshore wind farms: the developers of these farms rely on companies capable of providing technological, quality, reliable, cost-effective and time-effective solutions for the success of their projects. The main focus guiding the production management of these fabricators is production efficiency: it is therefore essential to be able to produce, while maintaining high and constant levels of product quality, always guaranteeing compliance with very tight tolerances, within certain timescales and realising the margins necessary for the success of the company.

With FICEP, fabricators now have a technological partner at their disposal that is able to support them in all the machining processes, from the plate metal storage warehouse to the stages preceding rolling. In fact, FICEP provides its own integrated technological solutions for the processes of shotblasting, cutting and beveling by milling.



1

R3
SHOTBLASTING SYSTEMS

2

KRONOS
AUTOMATIC GANTRY CNC HIGH DEFINITION
PLASMA & OXY CUTTING SYSTEM FOR PLATES

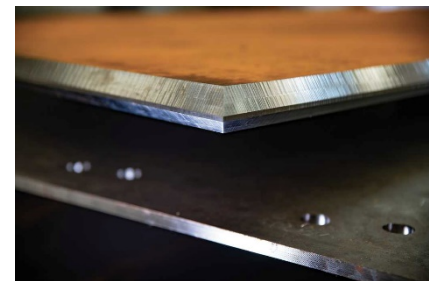
3

ENERGY
CNC GANTRY WORKING CENTER FOR
PLATES DRILLING, MILLING & SCRIBING



The **RB shotblasting machines**, the **Kronos machines for thermal cutting** - plasma and oxyfuel - and the **Energy machines for beveling (edge preparation by milling)** are high-performance, reliable production tools supported by excellent service, capable of providing wind tower fabricators with a real competitive advantage.

Energy is the new CNC working center, designed and manufactured for beveling through milling, drilling and marking of plates, intended for the construction of wind towers and foundations (Monopile, Jacket, Pin pile, Suction bucket, TP, Floating). Energy is an innovative and powerful technological solution, designed to guarantee high productivity, machining versatility and performance. **Energy is characterized by high machining speed; precision and high chip removal capacity thanks to the power generated by the 70 kW or 123 kW spindles; high productivity and the ability to handle 24-hour work cycles;** very high precision thanks to the touch probe that allows the control of machining dimensions for absolute precision. Energy has two special milling heads suitable also for drilling and marking operations. The machine can perform all **typical bevels** required in preparation before rolling, such as **Y, K, X, V or J** (or any other type). Programming can take advantage of DXF import via the **PLM** to interface with a pre-loaded tool magazine and create the machining program. The same PLM can also be used for the cutting machine (plasma or oxy-fuel) to generate the correct program in order to obtain the exact dimensions (extra material) for the next milling phase. Programming on board the machine without necessarily having to go through the technical department is also available.



Discover more **FICEP solution for the wind industry** on <https://ficepgroup.com/en/expertises/onshore-offshore-wind-industry/>

FICEP COMPANY PROFILE

FICEP is the world's leading machine tool manufacturer for the fabrication of structural steel and forging industry, with an experience of over 9 decades. Our extensive and innovative product range and its aggressive penetration of the world market has been achieved by the creation of many subsidiaries all over the world.

Located next to the Alps in Varese, Italy, we have specialized production facilities. The main location in Gazzada Schianno, which comprises over 100.000 sqm, also contains Headquarters, R&D, Academy of Technology, Showroom and the main after sales service departments.

Our mission is to satisfy the demand of machinery and systems for the high quality processing of metal profiles in the most profitable markets on a global basis, promoting the Ficep brand and trademark with prestige. Our wide range of machinery fully satisfies always more demanding requests and cover all needs in the structural steel and fabrication industry.

Find out more on <https://ficepgroup.com/en/>



The project Piattaforma India has been promoted by UCIMU – Association of Italian Machine Tools Manufacturers and AMAPLAST – Italian Plastics and Rubber Processing Machinery and Moulds Manufacturers Association. The two associations agreed on the idea that promoting a network of associations and entrepreneurs who have developed knowledge and experience on the Indian market, can be useful in favoring of new paths of development for business. The Indian companies who are interested to form JV, cooperation, technical tie up, purchase machinery etc from/with Italian companies can contact below mentioned address for any assistance:

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