

# ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 88



UCIMU-SISTEMI PER PRODURRE



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## **CTCH: THE ALL-IN-ONE SOLUTION FOR BARS HEATING AND CUTTING FOR A FULLY AUTOMATIC PRODUCTION**

The CTCH high-performance hot shearing systems revolutionize the forging industry by seamlessly combining heating and cutting operations into a single efficient process. Transitioning directly from bar stock to meticulously crafted slugs, these systems ensure high quality and precise results, perfectly suited for subsequent hot forging at rapid production rates.

**As the hot forging industry undergoes dynamic transformations, demanding cost-effective and cutting-edge innovations, the FICEP CTCH rises to the challenge with its straightforward, swift, and adaptable lines.** These systems effortlessly integrate with various presses, enabling the realization of fully automated forging setups.

**Distinguished by their remarkable attributes, CTCH hot shears guarantee unparalleled returns on investment.** They effortlessly handle a spectrum of steel types, ensuring squareness without shear face laps for softer steels and shear crack-free cuts for the toughest alloy steels. Dispensing with the need for pre-shear annealing across all steel variants, these shears eliminate inventory of sheared lengths. Furthermore, they facilitate immediate adjustments to compensate for forge die wear-induced weight discrepancies and allow for precise temperature control before shearing the slug. With the ability to achieve flashless forging tolerances, these systems usher in a new era of efficiency and precision.



**The employment of CTCH hot shearing systems translates into substantial cost savings across various facets of production.** By enabling the shearing of continuous and strand cast steels without inducing shear cracks, they reduce steel costs significantly. Additionally, they minimize scrap by eliminating saw kerf losses and enabling shearing to the lower end of volume tolerances. With the flexibility to continuously adjust shearing lengths, they facilitate minimum or even flashless forging techniques, further curbing material wastage. Moreover, these systems reduce energy consumption by eliminating the need for annealing or bar warming prior to shearing, while streamlining labor requirements by obviating the need for an entire cut-off department.

**The space-saving design of CTCH hot shearing systems eliminates the need for pre-sheared inventory storage and dedicated cut-off departments, optimizing floor space utilization.** Furthermore, they mitigate short-run and die tryout costs by enabling the selective heating of bars and the precise shearing of only necessary slugs for trials. Consistency in shear break quality is maintained across diverse steel grades, ensuring reliability and efficiency throughout the forging process. In essence, CTCH hot shearing systems epitomize the pinnacle of innovation, efficiency, and cost-effectiveness in the hot forging 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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