

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 50



UCIMU-SISTEMI PER PRODURRE



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THE ESSENTIAL SOLUTION FOR THE PRODUCTION OF ELECTRIC CARS: CMS IKON

Sep 10, 2020



The Car industry, nowadays, is turning its attention to electrics. Within this context, **CMS Advanced Materials Technology** is a **key player** in the creation of battery pack compartments.

The volumes for this application are currently around 100,000 cars per year and rising. Each compartment consists of a lower base, 4 perimeter sides, and generally 3 or 4 internal spacers. It is manufactured using **extruded aluminium**, for a total of 800,000 pieces a year that usually require more than one routing machine. We are also considering the idea of manufacturing the parts in **composite materials** to bring added value.

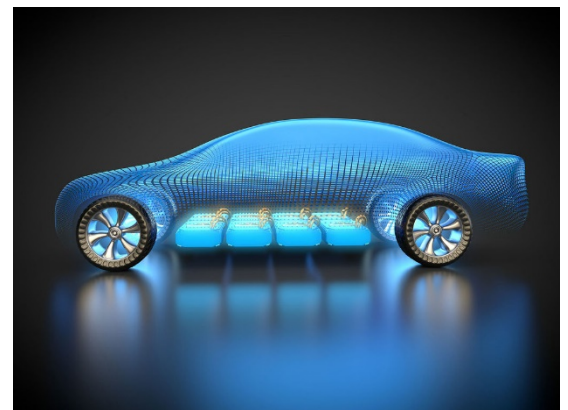


Naturally, the problems become exponential: space occupied, cycle time, piece loading and unloading, dealing with scraps, and material. **There is only one way to resolve all this in a single solution: CMS ikon.**

For safety reasons, the compartments need to be sealed and, as a result, require **extremely strict machining tolerances**. CMS ikon is the solution designed especially for CMS to **encompass in a single machine all the operations** for cutting, drilling, tapping (where foreseen), and blade machining to custom-size the extrusions, using two operating units fitted with 20 kW electro-spindles.

TOP BUYER BENEFITS

- Can be **fully integrated** into highly automated production lines
- **+47% reduction in bulk** compared to a vertical machine with pallet change system
- **Zero time wasting** with loading/unloading operations
- **53% cycle time reduction** thanks to the double bridge configuration



TECHNICAL SPECIFICATIONS

- vertical rotary table to **reduce occupied space** on the floor to a minimum, and **simplify** the loading/unloading **operations**, especially with robotic systems
- **natural acoustic insulation and containment of the dust/shavings** produced, thanks to its closure on five sides
- **horizontal routing** that allows for the natural drop of shavings/scrap onto the removal mat below
- **Full visibility** of the work area



www.cms.it/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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