

ALDAKIN WINS MTI INNOVATION AWARD OVER TRUMPF AND FRAUNHOFER INSTITUTE

- *The company from Navarra has been awarded for its project "Elimination of human exposure to potentially carcinogenic dusts and increase of robot performance in the machining of composite parts".*
- *The MTI Award is the European prize for innovation in machine tools.*

San Sebastian, 21 December 2023.- ALDAKIN, an AFM Cluster associate company, was recognized by the European Association of Manufacturing Technologies (CECIMO) for its "exceptional" project called "Elimination of human exposure to potentially carcinogenic dusts and increase of robot performance in the machining of composite parts". This is not the only milestone achieved by a company with branches in Aizoáin (Navarra), Vitoria-Gasteiz (Álava) and Andoáin (Gipuzkoa), which expects to close this year with a turnover of 15.5 million euros, two more than the previous year.

The Navarre firm beat the two finalists who accompanied it on the honor roll: the German company Trumpf, the largest machine tool manufacturer in the world, and its compatriot, the Fraunhofer Institute. Aldakin's Innovation Director, Ibai Inziarte, was in charge of collecting the first prize and at the award ceremony, held in Brussels, the Navarre delegation was accompanied by the Director General of External Action of the Government of Navarre, Sergio Pérez.

The MTI Innovation Award is a recently created prize and seeks to reward the best innovations in the machine tool sector. In this first edition, more than 30 projects were submitted, of which a panel of international experts selected three as finalists.

The CECIMO MTI awards are, according to the organization, "an important step forward for the industry and lay the groundwork for recognizing pioneering contributions within the machine tool sector." In that sense, "European industry is at the forefront of sustainable manufacturing, and the Commission is committed to supporting the adoption of clean technologies and advanced manufacturing solutions. CECIMO is a great opportunity to see European innovators at work," commented Kerstin Jorna, Director General for Internal Market, Industry, Entrepreneurship and SMEs at the European Commission, during the ceremony.

The final pitted the German Fraunhofer Institute (Germany's leading research institution), Trumpf (the world's largest machine tool manufacturer) and Aldakin against each other.

The winning project consists of a machining robot, whose objective for machining composites is to replace conventional milling machines with a safe, precise and cost-effective robot. The robot is capable of vacuuming 98% of the dust generated and achieving an impressive accuracy of +/- 0.15 mm. This level of accuracy is three times higher than conventional robots and exceeds the tolerance requirements of the aerospace industry, which is less than +/- 0.25 mm.

[Download the presentation of the project here.](#)

PRESS RELEASE 14/23

UPCOMING EVENTS

3-7 JUNE 2024: 32 BIEMH, INTERNATIONAL MACHINE-HARDWARE BIENNIAL, Bilbao, Spain

For further information, please contact the Director of the Communication Department, María Ruiz-Lopetedi (maria.rlopetedi@afm.es), phone numbers 943 309 009 / 679 979 083.



About ALDAKIN

Aldakin is a company specialized in areas such as industrial maintenance, electrical installations, electrical cabinet manufacturing and engineering. At the end of 2022 it was made up of more than 200 people, but it expects to end 2023 with more than 220, that is, 10% more.

The Navarre company that develops its services within the industrial fabric of Navarre and the Basque Country, specializes in the development of outsourcing of electrical services, with more than 35 years of experience in the sector and a projected turnover for 2023 of more than 15 million euros and more than 200 active workers.

Aldakin has established itself as a Business Group specialized in the sector that has several specialized and complementary lines to support the areas of industrial maintenance, electrical installations, electrical cabinet manufacturing and mechatronic engineering from which hangs the R&D department awarded in these CECIMO awards for European innovation.

ABOUT AFM CLUSTER

AFM CLUSTER is the organisation that represents Advanced and Digital manufacturing in Spain. AFM comprises seven industrial associations, through which it represents over 800 companies, which employ 17,000 people and have a joint turnover of 3.8 billion euros. From its headquarters in San Sebastian, and its plant in Tianjin (China), AFM CLUSTER works to promote internationalisation, industrial development, strategic positioning and upskilling in its associated companies. The seven associations comprising AFM Cluster are as follows:

-  Machine-tool and advanced manufacturing technologies. **AFM** is the founding association, which gives its name to the CLUSTER. With 77 years of experience, it has 126 members.
-  Additive Manufacturing and 3D Printing. **ADDIMAT** brings together 106 companies operating in this new sector, destined to be a relevant part in many industrial sectors, such as, for example, the aerospace, biomedical and automotive sectors.
-  Hand Tools, Hardware and Industrial Supply. **ESKUIN** represents 20 companies that manufacture hand tools to the highest standards of quality and safety.
-  Machining and Metal-Mechanical Transformation. With 197 member companies, **AFMEC** aims to bring visibility and services to one of the most important industrial groups in Spain.
-  Technology-based companies and startups. **UPTEK** represents 154 technological companies and startups dedicated to advanced and digital manufacturing.
-  Companies offering smart tech for advanced manufacturing. **STECH** groups together **130** businesses to form a collective with specific offerings in smart tech for manufacturing.
-  Machine tool importers. **AIMHE** groups 54 companies with the mission to represent the interests of the machine tool importing and distributing sector.

AFM CLUSTER is also partnered with over 100 industry services companies. AFM CLUSTER forms part of different international associations, such as CECIMO, ECTA or CEO, it is the co-organiser, along with BEC -Bilbao Exhibition Centre-, of the international fairs BIEMH, ADDIT3D, WORKINN and BEDIGITAL and it actively collaborates in the fairs + INDUSTRY and SUBCONTRATACIÓN. It is a co-organiser of CMH - Congress on Advanced and Digital Manufacturing and Machine Tools.

