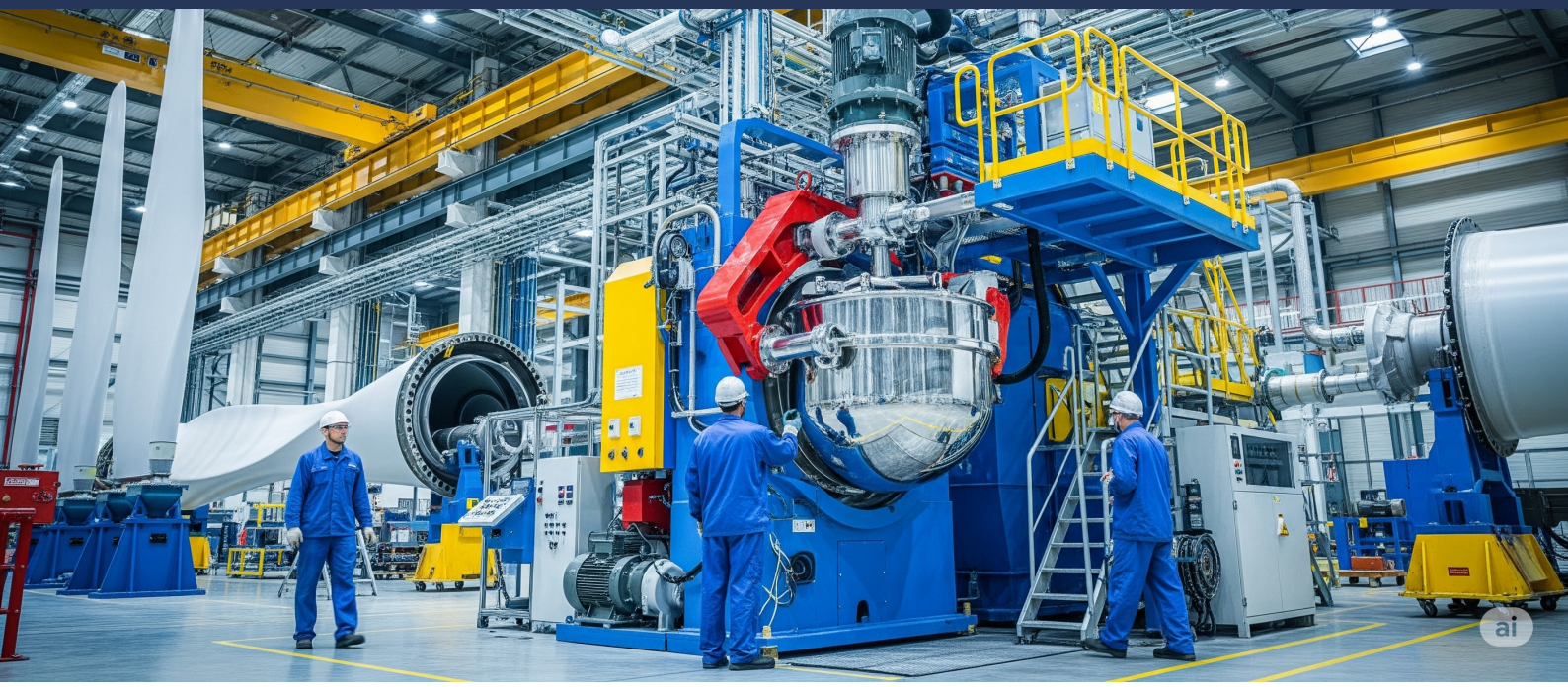
CENTRO 2030

PROGRAMA REGIONAL DO CENTRO



# NEWGENVIP - Industrial mixer for vacuum infusion processes

## Matechnics - Master Technology Solutions, Lda.; Itecons; Universidade de Coimbra

Oiã - Oliveira do Bairro - Aveiro; Coimbra - Coimbra - Coimbra; Coimbra - Coimbra - Coimbra

The NEWGENVIP project aims to develop and optimize, from an ecodesign perspective, a new range of industrial mixers for vacuum infusion processes, integrating real-time monitoring and decision support through the application of artificial intelligence powered by historical data and new instrumentation developed within the project. Among the planned innovations are the ability to operate with multiple infusion channels simultaneously, an active degassing system, an IoT interface, and tools that enable comprehensive tracking of operating conditions. The goal is to reduce the occurrence of failures, improve efficiency, safety, and sustainability in industrial processes within the composites sector, increase the quality of final products, and lower operational costs.

**Investimento total**

1.014.662,26 €

**Apoio financeiro da união europeia**

814.002,41 €

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