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DESIGN OF

**SPECIAL MACHINE  
FOR GLUE APPLICATION**

IN CAR HEADRESTS



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Our goal was to provide the client with a stand for glue application in car headrests.



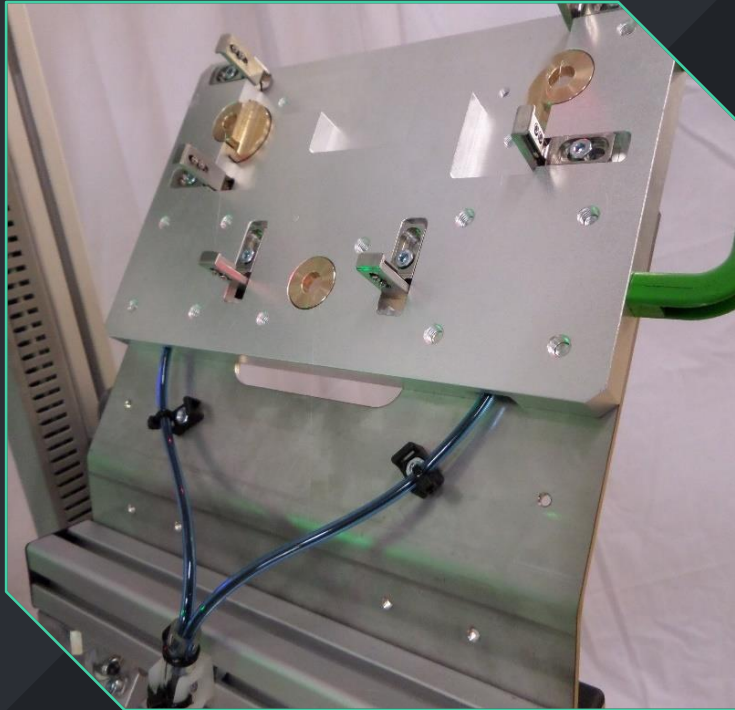


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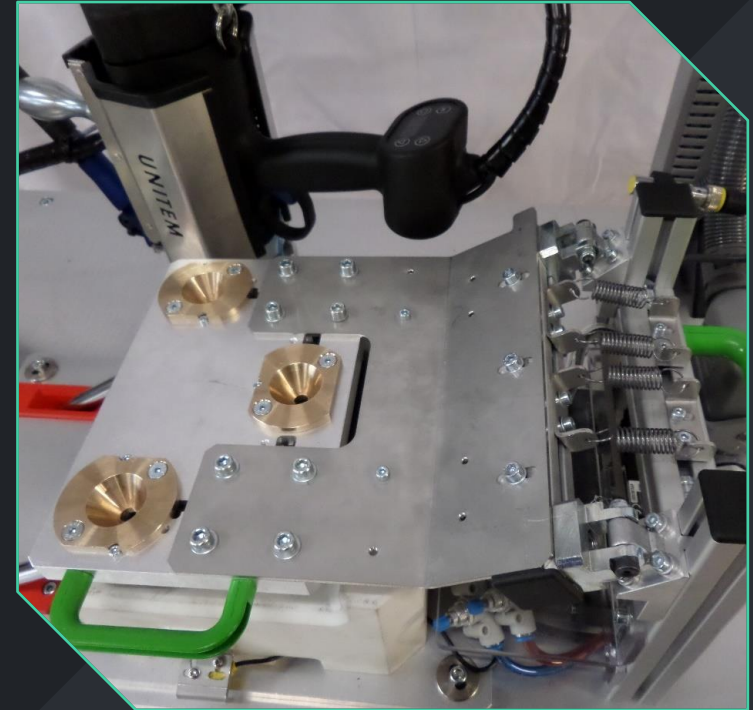


The glue application process is challenging in many aspects. It is crucial to have precise control over the amount, as well as, the position of the glue that is applied. Sequential characteristic of the process leads to additional limitations.



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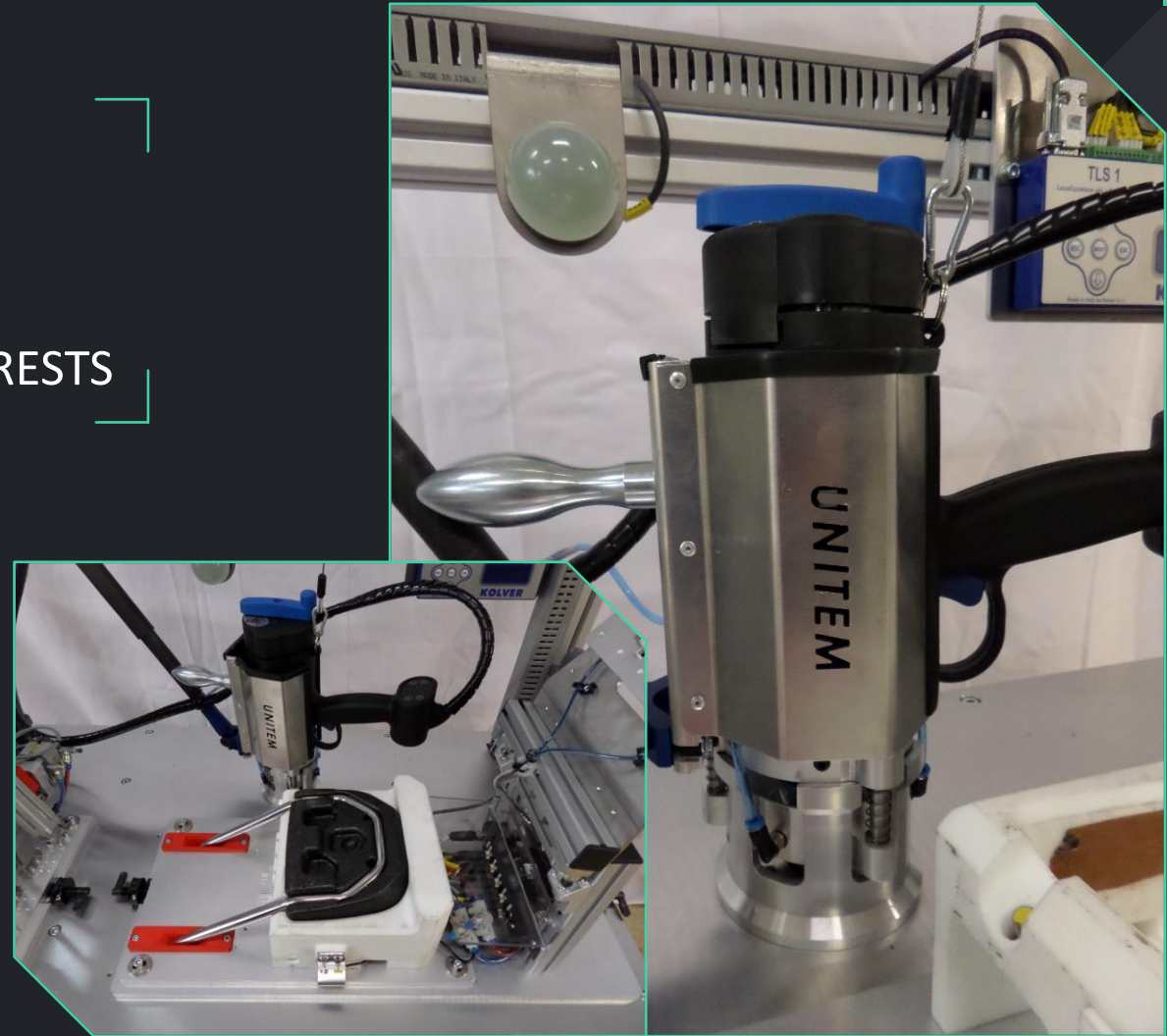
UNITEM has created a solution that controls the position of the glue application nozzle via profile on a custom made reference template





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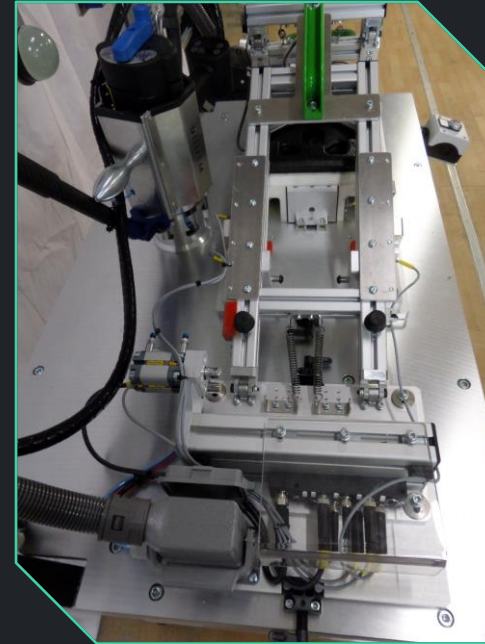
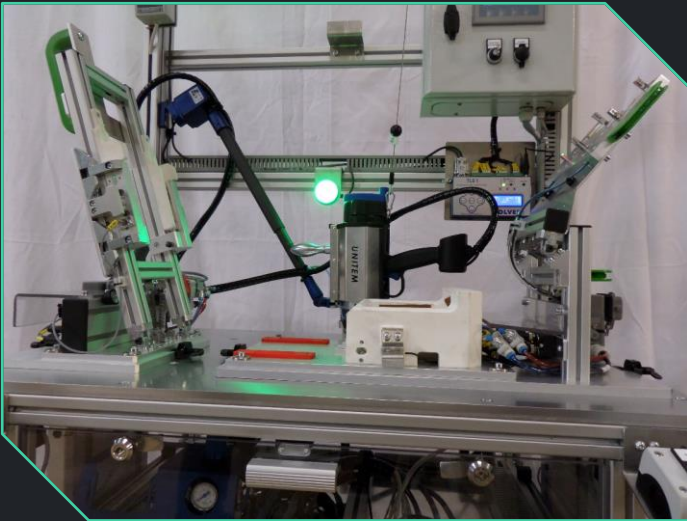
Quantity of the glue was controlled via system developed by Unitem that was embedded directly into glue nozzle housing. Position correctness was precisely controlled by using number of reference points and vision system/sensors







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Finished station allowed for major decrease of rejected items due to repetitiveness of the process and high level of control over process parameters.



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Thank you for your attention