

## PROBLEM/ISSUE ADDRESSED

- Easy setup flexible fixtures to hold the parts to be machined.
- Minimization of the use of conventional mechanical stiffeners.
- Increase of productivity through more aggressive cutting conditions.
- Slim-format part behavior monitoring during machining
- Stress relieving flexible system, adaptable to difficult access zones

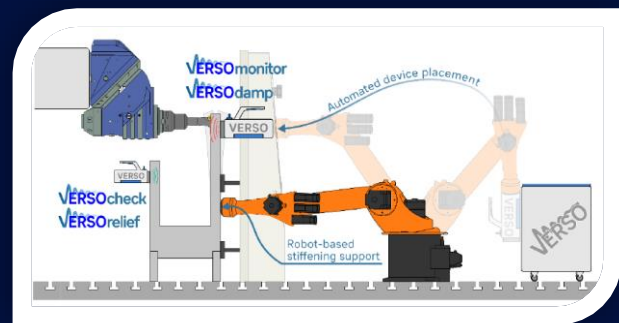
## SOLUTION

Add-on hardware which is attached on the verso of the flexible component to be machined in order to enhance the manufacturing capabilities. This device consists on an electromagnetic actuator and sensors which are driven by an external controller. The controller process data in real time and improve the process through 4 different advanced functionalities: VERSOdamp, VERSOrelief, VERSOcheck and VERSOmonitor.

## WHY IT IS IMPORTANT FOR SOCIETY

VERSO solves the problem of machining slim-format components, reducing the operator's effort for setting up the parts, heavy fixtures and improving significantly the safety at the working place. Additionally and thanks to the support from the advanced APPs, complex production processes are now accessible to less skilled workers.

“  
Thanks to EIT-M  
we have  
successfully  
upscaled and  
optimized our  
solutions portfolio  
of smart actuators  
”



## MAIN RESULTS & INSIGHTS



- Electronic actuators to easily setup and machine flexible parts
- Minimization of the use of conventional mechanical stiffeners.
- Increase of productivity through more aggressive cutting conditions.
- Slim-format part behavior monitoring during machining
- Stress relieving flexible system, adaptable to difficult access zones.



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### MAIN PRODUCT

VersoLITE & VersoFULL solutions

**AIM:** Export VERSO solution to all the industrial sectors where slim-format parts are machined



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