



MATERIAL REMOVAL

# Liné Machines RoboTool

## Robotic Workholding



## New era for flexible tooling

- Fives' exclusive patent design
- Low civil engineering required
- Very short idle time between parts
- Can be installed under most machines, new or existing
- Can adapt to various part families
- High flexibility to part engineering changes
- High components reliability
- Easy to program

# The ultimate fixturing solution

## A DISRUPTIVE SOLUTION

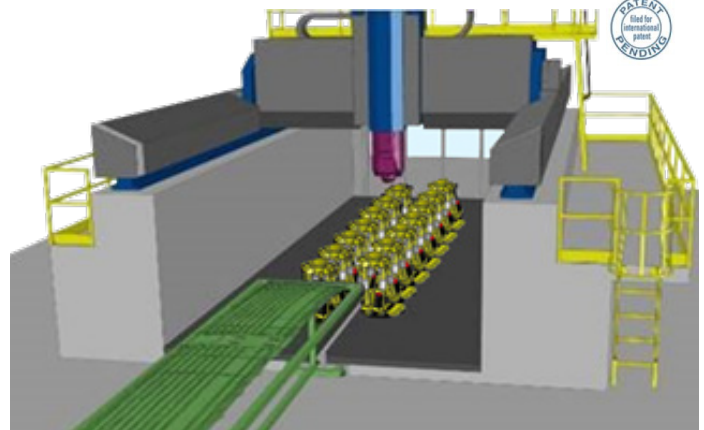
The Liné Machines RoboTool consists of a series of robots that communicate with one another and with the CNC, providing a high degree of adaptability and customization for a wide range of applications.

Hexapods offer superior levels of stiffness, dynamics, precision, and flexibility on a smaller footprint.



## EXCLUSIVE LAYOUT

To shorten idle time between parts, Fives proposes a method to store and carry the parts around and into the machine. This system reduces idle time and eliminates the need for a crane. With this system, you no longer need a crane to load and unload parts.



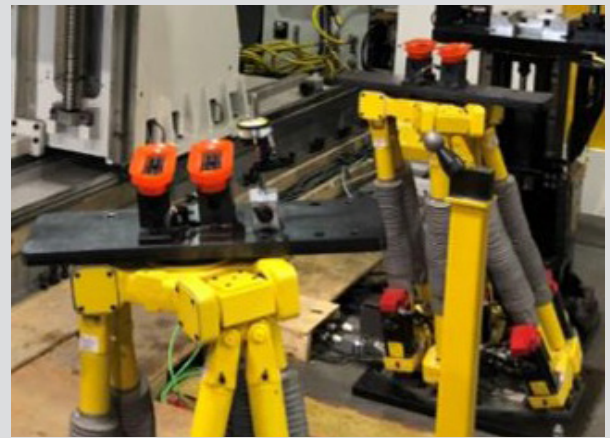
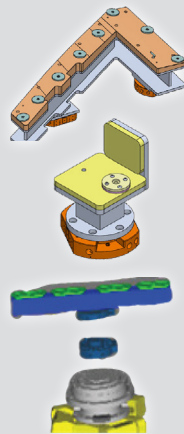
## INFINITE POSSIBILITES

The Liné Machines RoboTool can be used as a stand-alone cell or part of a multi-zone work area. It can be integrated with a robotic trim and drill cell with a larger CNC machine or an existing installation.

## EFFECTORS

End effector shapes, technologies and features are customized for each application. A number of standard end effectors are available. After an in-depth analysis, Fives will propose the end effectors best suited to the parts you wish to manufacture.

For easy set-up changes or maintenance purposes, the Liné Machines RoboTool can be configured with quick change connectors, providing efficiency, reliability and accuracy for all tool effector changing sequences.



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