



HIGH PRECISION
MACHINES

MATERIAL REMOVAL

Liné Machines Flexitool

Advanced Automated Tooling Solution



Modular, Customizable, Expandable

- **High accuracy:** Liné Machines Flexitool are rigidly built guiding with ball screw technology and strong point-of-contact cup rotation
- **High reliability:** Liné Machines Flexitool offers a simple non-hydraulic design, proven technology and secure vacuum grip
- **Time saver:** Liné Machines Flexitool delivers a high-speed actuator positioning and quick cup release connection
- **Easy to maintain:** Liné Machines Flexitool actuators are simple and fast to replaced as the motor-integrated servo

The most efficient actuator-based solution

APPLICATIONS

Programmable Universal Holding Fixtures (UHF) offer prolific layout variations and can easily adapt to medium and large aluminum and composite parts, from simple to complex geometries.

The Liné Machines Flexitool is the ultimate solution for the positioning and clamping of panels of various shapes during trimming, routing, and drilling operations.

The Liné Machines Flexitool can also be used for laser scribing or assembly applications.



CONFIGURATIONS

The Liné Machines Flexitool is available in different layout variations:

- Vertical: single-axis (MonoFlex)
- Vertical: 2-axis (MultiFlex) for mirrored (L/R) parts
- Butterfly configuration for heavily curved fuselage parts
- Half barrel



WET OR DRY APPLICATIONS

The Liné Machines Flexitool is an excellent option for dry or wet environments as each actuator can be water and dustproof.



TECHNICAL SPECIFICATIONS

Travel	500 mm (20in) to 1 m (40 in)
Positioning speed	5 m/min (200 in/min)
Maximum total set-up	140 sec
Min. distance between actuators	254 mm (10in)
End effectors rotation	±40°
Load capacity - active	1000 N (220 lb. ft)
Load capacity - static	5000 N (1100 lb. ft)
Holding force @-0.7 bar	550 N (110 lb. ft)
Certification	CSA, UL and CE

AVAILABLE OPTIONS

- Customizable cup size
- Offset end effectors
- Vacuum levels monitoring
- Index locators
- Sub worktable
- Y-axis
- Multiple work zones

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