

Machine of the month
June

LiFLEX I 17136

POWERFUL AND ROBUST GIGA FOR HORIZONTAL 4- AND 5-AXIS MACHINING



Our LiFLEX I 17136 is a powerful and robust single-spindle machine. The machining center offers reliability and precision for a wide range of machining requirements.

The machine has been optimized for the machining of large cubic lightweight structures used in the automotive industry, as well as structural components for the aerospace industry, which are machined simultaneously in 5-axis. Its advanced kinematics, involving the A- and B-axis, eliminate the need for a swivel spindle, enhancing efficiency and precision.

VISIT US FOR MORE
INFORMATION:



GigaLine Technology

The LiFLEX I 17136 is based on advanced GigaLine technology and meets the highest standards of efficiency and quality. Thanks to its versatility, it enables precise and economical complete machining – even complex and large components can be produced accurately in just one clamping operation.

Top performance in machining technology!



MACHINING CENTERS
AUTOMATION
PROCESS TECHNOLOGY
DIAGNOSTICS / SERVICE

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LiCON MT
modular machining centers

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CALL US
+49 7392 9620
to learn more

LiFLEX I 17136: TECHNICAL DATA

Technical data	LiFLEX I 17136	Unit
Axis	4 / 5	
Spindle torque	max. 210	Nm
Spindle speed	12,000 – 30,000	U/min
Strokes X / Y / Z	1,700 / 1,300 / 650	mm
Measurement system	directly, absolutely (with airsealing)	
Position tolerance X / Y / Z	0.008	mm
Spindle HSK-A	63	
Tool magazine places	30 / 60 / 96 / 120 / 160 / 176	
Tool change	double gripper*	
*Tool change time	< 1.2	s
Chip to chip time (VDI 2852)	< 2.8	s
Loading options	direct loading	
Acceleration X / Y / Z	10 / 9 / 12	m/s ²
Rapid feed X / Y / Z	100 / 80 / 80	m/min
Max. feed force X / Y / Z	5 / 5 / 7	kN
Process lubrication	dry / coolant / MQL	
Interference cubes A- / B-axis	2,300 / 1,850 mm	mm
Dimensions w / d / h	4.1 / 6.5 / 4.9	m
Machine weight	approx. 22,000	kg

Interference cubes

A-axis: 1,750 mm
B-axis: 1,750 mm



Highlights

- Large cubic machining
- A- and B-axis:
360 degree swiveling
- Optimized machining with
LAVA[®]
- Optionally turnkey
automation

Further specifications on request. We reserve the right to make technical changes without prior notice.