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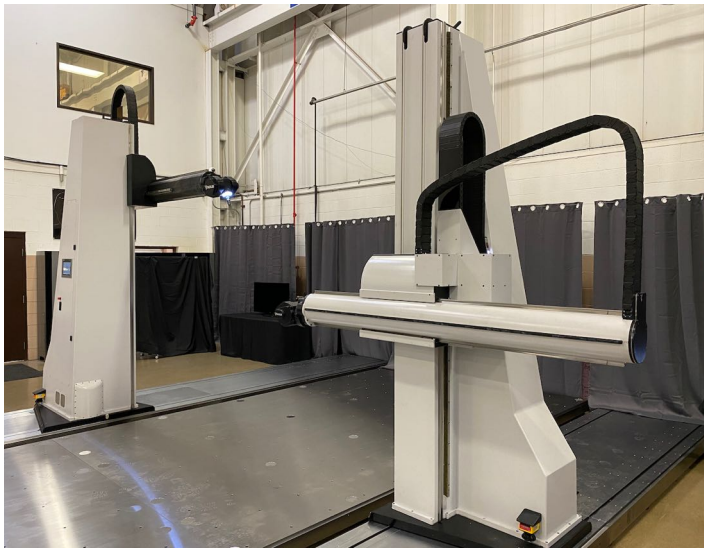

LCMT XL 5 Axis Claymill

Quiet In-Studio Milling Machine
The Quiet, Easy to Operate LCMT XL was designed for In-Studio milling with or without studio surface plates.

Function
- 3 and 5 Axis CNC Milling and Measuring of Commercial Vehicle Models
- Clay and Foam
- Perfect for In-Studio Milling
- Full featured but with Milling Head / Spindle about 50% the size and power of our heavier CM5 Mills

Installation Features
- The LCMT XL is designed to be installed inside Design Studios with or Without Surface Plates.
- Low Profile Rails contain all running hardware plus AC power and can be installed above floor or in trenches.
- Rails are Modular, standard length of sections is 118″ / 3,000 mm
- Multiple Columns can be added to Rail Installation as needed

Performance Features
- Rack and Pinion Drive on X,Y and Z axes to eliminate backlash and increase acceleration rates
- Quiet operation due to Rack and Pinion (compared to Ball Screw Driven Machines)
- Advanced Monocoque aluminum alloy construction of machine column and milling arm reduces weight for increased performance while increasing stability and rigidity

Available CNC
- Siemens 840D with TARUS DS Design Studio Interface
- BLUM Probing

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Specifications	**Imperial**	**Metric**
X Axis	up to 200', 118" sections	up to 60 meters, 3 meter sections
Y Axis (vertical)	91"	2,336 mm
Z Axis (reach)	53.5"	1,371 mm
Maximum Rapid	1,181 i.p.m.	30 meters per minute
Maximum Acceleration Rate	.2 G	2 meters / second^2
Spindle	HSK 32 Manual Release	
Spindle RPM	0-12,000 rpm	
Spindle Power / Torque	5.9 hp (S1) / 4 ft /lb (S1)	4.4 kW (S6) / 5.4 Nm
Milling Head	TARUS Designed and Built Fork Head, 22:1 gear reduction, Direct Angular Position Feedback, Absolute Encoders	
A Axis	+/- 105°, 35 Ft/lb	+/- 105°, 48 Nm
C Axis	+/- 1801°, 35 Ft/lb	+/- 181°, 48 Nm

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