

LM-01-R

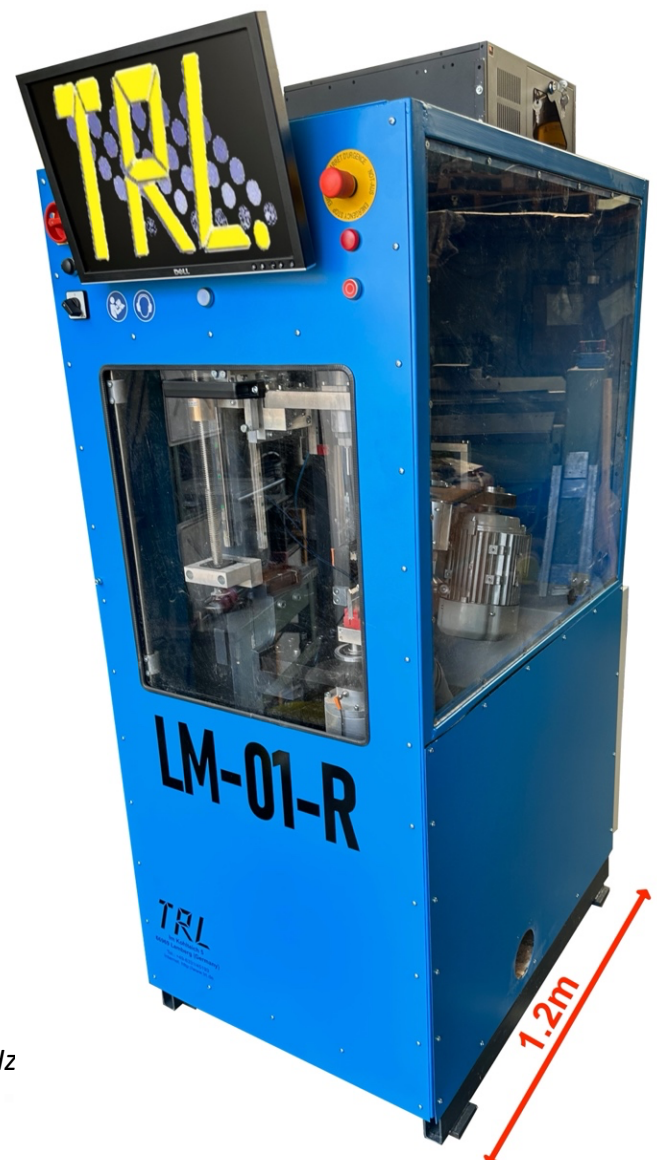
CNC- Roughing machine



AUTOMATISIERUNGSTECHNIK
UND EDV-SYSTEMLÖSUNGEN



- Same compact housing as LM-01
- Very powerful miller drive motor
- Highest possible production volume
- High precision and efficiency
- Conventional clamping with handwheel
- All last types possible (Hinge, v-cut, etc.)
- The roughed lasts can directly be finished in the LM-01 machine
- Low working noise
- Optimized for orthopedic / custom shoelasts
- No CNC machine knowledge required
- Easy operation, learnable in short time



Specifications:

Cycle time: ~1.0min / roughing cycle

Dimensions: 0.75m x 1.2m x 2.2m

Weight: ~1450kg

Power: ~4.5kW

Connection: 3phase 400V 50Hz / 3phase 230V/60Hz

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Amtsgericht Pirmasens HRB 2607
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BLZ 542 500 10, Konto Nr. 56 853
BIC: MALADE51 SWP,
IBAN: DE 18542 500 10-00000-56853

LM-01

CNC- Last Milling Machine



AUTOMATISIERUNGSTECHNIK
UND EDV-SYSTEMLÖSUNGEN



- Innovative clamping mechanism which holds the last in the toe area to prevent the last from vibrating while roughing (Patent pending 'DE102019007198.0')
- New invention milling mechanism for all toe shapes and best possible milling results (Patent pending 'DE102020001470.4')
- Fully automatic milling process to the completely finished last, also on heel and toe
- Last height up to 200mm, length up to 500mm
- Produces any .stl model within a very short time
- Machine accuracy < 0.05mm on the whole last
- Lasts can be roughed in any conventional machine
- Mills any last type (hinged, v-cut, ...)
- No last deformation because of the high clamp force as in conventional last milling machines
- No manual work required on the last
- The last can be used directly for sole injection

- No additional machines needed for last making
- Perfect for model development
- Low working noise
- Optimized for orthopedic / custom lasts
- No CNC knowledge required
- Easy to operate

Specifications:

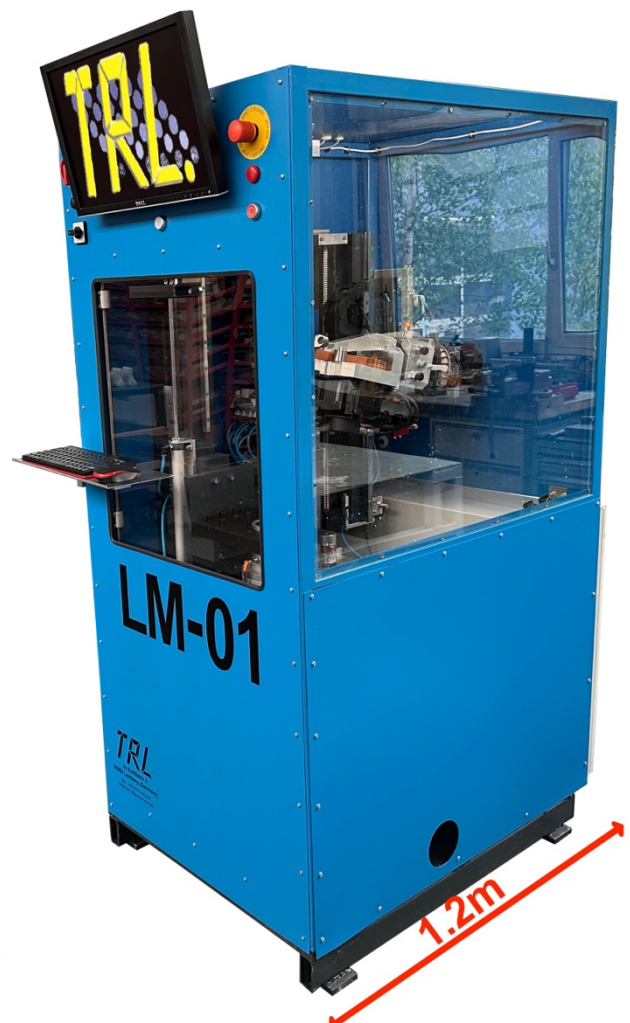
Cycle time: ~5min to finish a last

Dimensions: 0.75m x 1.2m x 2.2m

Weight: ~1450kg

Power consumption: ~1.5kW

Connection: 3phase 400V 50Hz / 3phase 230V 60Hz



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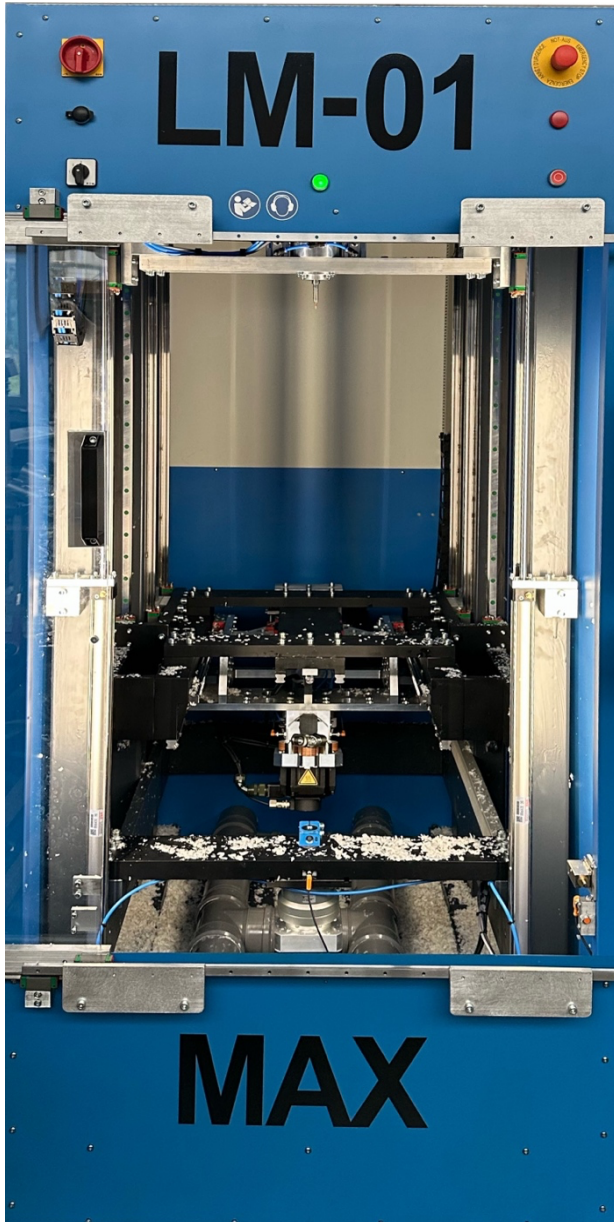
LM-01 MAX

CNC- Milling machine

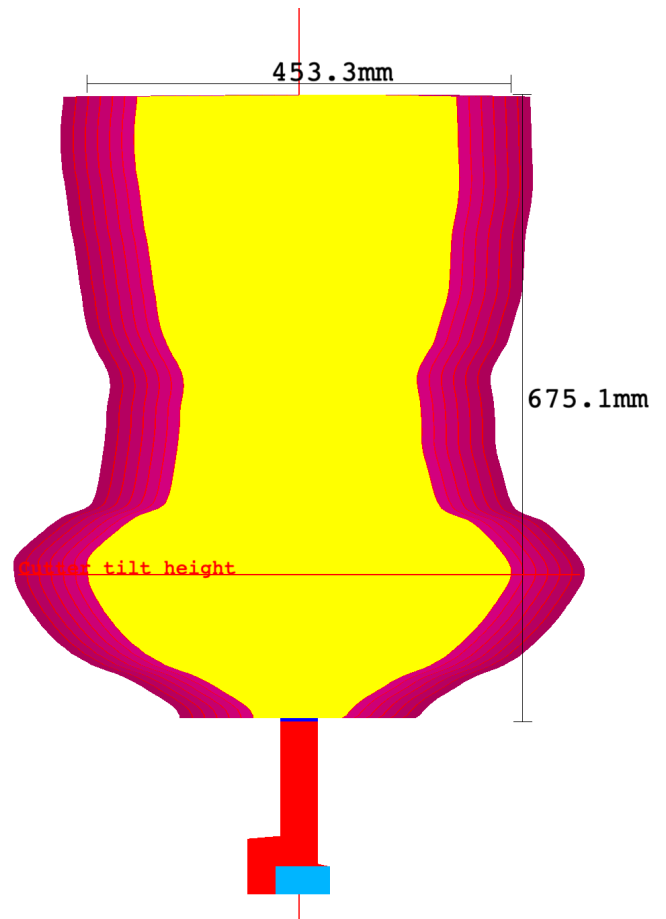
TRL GMBH · IM KOHLTEICH 5 · D-66969 LEMBERG



AUTOMATISIERUNGSTECHNIK
UND EDV-SYSTEMLÖSUNGEN



- Large housing for big models
- Strong and robust design
- Same accuracy as LM-01 / LM-02
- High precision and efficiency
- Optimized for leg / torso shapes
- All last types possible (Hinge, v-cut, etc.)
- Low working noise
- Optimized for orthopedic / custom shoelasts
- No CNC machine knowledge required
- Easy operation, learnable in short time



Specifications:

Cycle time: ~5.0min / finishing cycle

~2.0min / roughing cycle

Dimensions: H2.3m x D2.1m x W1.1m

Weight: ~2500kg

Power: ~4.5kW

Connection: 3phase 400V 50Hz / 3phase 230V/60Hz

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LM-02

CNC- Last Milling Machine

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AUTOMATISIERUNGSTECHNIK
UND EDV-SYSTEMLÖSUNGEN



- New version that can mill two different lasts at the same time for unmatched efficiency
- Lasts are completely finished on heel and toe
- Can also rough the lasts from a raw block
- New invention milling mechanism for all toe shapes and best possible milling results
- Fully automatic milling process
- Last height up to 200mm, length up to 500mm
- Ultra high machine accuracy ($< 0.05\text{mm}$)
- Works with any .stl or .h2k input model
- Mills any last type (hinged, v-cut, ...)
- Low maintenance, high efficiency machine
- Can work with wood, plastic or foam material
- Optimized for orthopedic / custom lasts
- Easy to operate, no cnc knowledge required

Specifications:

Cycle time: ~3min for fineturning

Output: 30 individual lasts / hour

Dimensions: W1.2m L1.5m x H2.0m

Weight: ~1.850kg

Power: ~4.5kW

3phase 380-400V 50-60Hz

(or 3phase 230V 60Hz)

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LM-04

CNC- Last Milling Machine

TRL GMBH · IM KOHLTEICH 5 · D-66969 LEMBERG



AUTOMATISIERUNGSTECHNIK
UND EDV-SYSTEMLÖSUNGEN



- Ultra high speed cnc last milling machine
- New version that can mill four different lasts at the same time for unmatched efficiency
- Lasts are completely finished on heel and toe
- New invention milling mechanism for all toe shapes and best possible milling results
- Fully automatic milling process
- Last height up to 200mm, length up to 500mm
- Ultra high machine accuracy (< 0.05mm)
- Works with any .stl or .h2k input model
- Mills any last type (hinged, v-cut, ...)
- Low maintenance, high efficiency machine
- Can work with wood, plastic or foam material
- Optimized for orthopedic / custom lasts
- Easy to operate, no cnc knowledge required

Specifications:

Cycle time: ~3-4min for fineturning

Output: 60-80 lasts / hour

Dimensions: W2.4m L1.5m x H2.0m

Weight: ~3.700kg

Power: ~9.0kW

3phase 380-400V 50-60Hz

(or 3phase 230V 60Hz)

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