



*Tabletop
CNC Machines*

A red and silver tabletop CNC mill machine is shown in operation. The machine has a blue vise holding a workpiece on the table. The spindle is positioned above the workpiece. The machine is set against a dark background.

EDU Mill



**POWERFUL
SOLUTIONS**

to Get The Job Done!

WWW.LEVILTECHNOLOGY.COM

EDU - MILL

LOW-INERTIA CNC MACHINE WITH METAL 3D PRINTING

CONTROLS



Fanuc

Levil

SPECS

- Servo motors: 130W brushless AC type for X, Y, and Z axis, 6000 rpm
- Travel X 7" (178 mm), Y 10.5" (267 mm), Z 5" (127 mm)
- Rapid feed 400 ipm (10,200 mm/min)
- Accuracy 0.0004" (0.01 mm)
- Worktable size - 14.5" x 9.8" (370 x 250 mm)

FEATURES

- Servo control technology for each axis
- Size 15 linear guideways
- C7 ball screws
- Safety door sensor
- Tool length sensor
- High-speed spindle



CHARACTERISTICS

- Dimensions W 27.5" (0.7 m), D 33.5" (0.85 m), H 41.5" (1.05 m)
- Weight 300 lbs. (136 kg)
- Power 110-220 VAC, 15 A
- Steel enclosure
- Large door for easy access to machining area
- Large side windows to monitor machining processes
- Fits through a standard doorway
- Optional stand with casters for easy relocation

SPINDLE SPECS

- 2.2. kW
- 24,000 rpm
- Er-20 taper
- Air cooled
- Ceramic bearings
- Runout <0.0004" (0.01 mm)
- 220 VAC, 6 A

3D PRINTING ADD-ON

Add a single or a dual head Fused Deposition Modeling (FDM) to the EDUMiLL by simply adding the magnetic 3D printing system to the machine. This will allow you to turn your milling machine into a 3D printer.

PRINTING PROCESS

Fused Deposition Modeling (FDM) or Fused Filament Fabrication (FFF)

Extruder

Single Head Extrusion (Levil Control Only)

- 0.04 mm nozzle
- Heating element up to 260 deg.
- Heating bed up to 90 deg.

Dual Head Extrusion

- Dual extruder with 0.4 mm nozzles
- Heating element up to 300 deg. (FANUC, & Levil)
- Heated bed up to 90 deg.

Build Volume

6.3" x 10.2" x 4.3" (160 x 260 x 110 mm)

Extruder System

Direct drive

Building plate

Heated table 8.6" x 8.6" (220 x 220 mm)

Material Storage

Sealed within machine enclosure

Materials

PLA, ABS, PETG, TPU, metals and many more

Minimum Layer Resolution

100 microns



WE BRING METAL TO YOUR WORKSPACE

Design, print, sinter in a few steps. 3D-print real metal parts affordably and in the comfort of your home, office, or lab. You can now print metals such as Bronze, Copper, and Stainless Steel.

FILAMENTS

- Copper
- Bronze
- Stainless Steel 316L
- Stainless Steel 17-4
- Aluminum 6061
- Carbon Fiber
- Titanium 64-5



OUR KILNS FOR SINTERING

STARTER KILN

- Max temp 2500 F / 1370 C
- Electric with automatic gas injection
- 120 VAC, 60 Hz, 15 A, 1800 W
- Single-phase
- Chamber: 0.13 cubic ft. / 3.7 L. 6" x 6" x 6.25" (W, D, H)
- Outer dimensions: 11.0" x 15" x 18" (W, D, H)

PRO KILN

- Max temp 2500 F / 1370 C
- Electric with automatic gas injection
- 240 VAC, 160 Hz, 45 A, 10800 W
- Single-phase
- Chamber: 2.4 cubic ft. / 68.0 L. 18" x 18" x 13" (W, D, H)
- Outer dimensions: 28.0" x 36.5" x 28" (W, D, H)

LMV-300

M I L L
S E R I E S

The Preferred Tabletop
CNC Milling Machine
in INDUSTRY.



CONTROLS

Fanuc

Levil

SPECS

- Granite and aluminum body
- Servo controlled
- 14.5" (370 mm) X axis travel
- 9.4" (240 mm) Y axis travel
- 8" (205 mm) Z axis travel
- Precision 0.0004" (0.01 mm)
- Rapid feed (X, Y & Z) 400 ipm (10,200 mm/min)
- Cutting feed (X, Y & Z) 240 ipm (6,120 mm/min)
- Spindle speed 100 – 14,000 rpm (up to 100K available)
- Spindle 2 hp
- Power supply 220 VAC 20 A
- Dimensions W 48"x H 72" x D 52 1/2" (with machine stand)
- Linear guideways on each axis
- Direct drive on all axis

LMV-400

M I L L

The Preferred Tabletop CNC
Milling Machine in EDUCATION.



SPECS

- Aluminum body
- Servo controlled
- 16.5" (421 mm) X axis travel
- 8.5" (217 mm) Y axis travel
- 7.5" (190 mm) Z axis travel
- Precision 0.0004" (0.01 mm)
- Rapid feed (X, Y & Z) 400 ipm (10,200 mm/min)
- Cutting feed (X, Y & Z) 118 ipm (3,000 mm/min)
- Spindle speed 100 - 14,000 rpm (up to 100K available)
- Spindle 2 hp
- Linear guideways on each axis
- Direct drive on each axis
- Fits through a standard 35" doorway
- Power 110 VAC 15 A
- Dimensions W 33"x H 68" x D37" (with machine stand)

* Also available with an extra 8" (203 mm) on the X Axis *

CONTROLS

Fanuc

Levil

LTC-30

L A T H E

The Preferred Tabletop CNC
Turning Center in INDUSTRY.



CONTROLS

Fanuc

SPECS

- Granite and aluminum body
- 7" (177 mm) X axis travel
- 8.85" (225 mm) Z axis travel
- Swing over bed 8" (203 mm)
- 8 POS. turret for 1/2" shank external tools
- Spindle 3000 rpm
- Precision 0.0004" (0.01 mm)
- Rapid feed (X & Z) 157 ipm (4000 mm/min)
- Cutting feed (X & Z) 118 ipm (3000 mm/min)
- Power 220 VAC 20 A
- Dimensions H 66.5" x W 44" x D 30" (with machine stand)

LMT-300

MILL - TURN

The Horizontal Milling Machine
with Turning Capabilities



CONTROLS

Fanuc

Levil

SPECS

- Granite and aluminum body
- Servo controlled
- 13.7" (350 mm) X axis travel
- 9.8" (250 mm) Y axis travel
- 9.8" (250 mm) Z axis travel
- +/- 360 on the A axis travel
- +110, -20 on the B axis travel
- Precision 0.0004" (0.01 mm)
- Rapid feed (X, Y & Z) 400 ipm (10,200 mm/min)
- Cutting feed (X, Y & Z) 118 ipm (3,000 mm/min)
- Spindle speed 100 - 14,000 rpm (up to 100K available)

- Spindle 2 hp
- 10 milling tools
- 4 gang style OD cutting
- 4 gang style ID cutting
- Power 220 VAC 30 A
- Dimensions W 30" x H 72" x D 43" (with machine stand)

ROBOT LOADED

CNC MILLING MACHINE



ROBOT CONTROL

Fanuc

SPECS

- Controlled axes 6
- Max load capacity at wrist 8.8 lbs (4 kg)
- Repeatability 0.0008" (0.02 mm)
- Reach 22" (550 mm)
- Power supply 110 or 220 VAC
- MH iPendant with touch screen -R-30iBMate
- Ethernet I/P scanner

ACCESSORIES

- 4th and 5th axis on milling centers
- 3” pneumatic vise
- Pneumatic 5c collet system for turning center
- Electronic height gauge
- Edge finder
- Front door automation
- Safety door interlock sensor
- Safety door sensor
- Boring bar holder
- Collets
- 3” parallels
- Machine stand with leveling casters

WARRANTY

Levil Technology warranties these products to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of delivery. Levil Technology will replace any defective or malfunctioning parts at no charge. Extended Warranty is available for purchase.

TRAINING

Training at Levil

We are happy to provide training on our machines to anyone who would like to learn. If you are available to travel to Levil, a 1 day class is offered at no charge with the purchase of 1 machine.

On-site Training

If you would like a representative of Levil Technology to come visit you and provide training on site, we are happy to do so. We can customize the training to your needs and to the products and uses you are trying to achieve.

Virtual Training

If you would like to learn more about the machines at your own pace we offer a variety of video clips, that can be found on our website, to walk you through basic information, set up and trouble shooting. Video call training is also available.

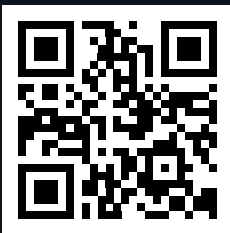
SOFTWARE

- **SolidCAM** - SolidCAM Xpress and SolidCAMs 3D Pro package (90 day trial).
- **SmartCAM** - Advance Milling or Production Turning Package (30 day trial).



**We Provide
Powerful Solutions
TO GET THE JOB DONE!**

When machining small parts or prototypes, a tabletop CNC machine can save you time, space, and money without compromising the quality of your product.



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