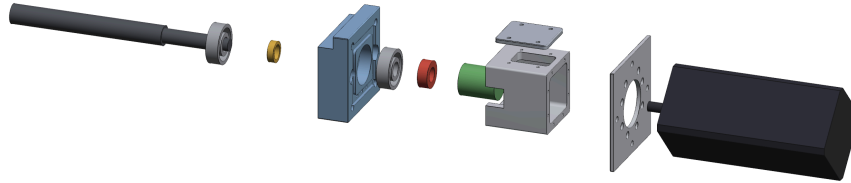
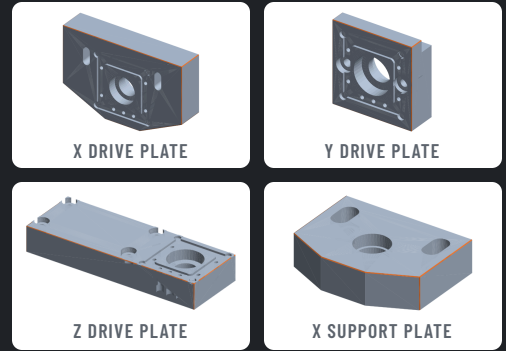


TURN YOUR X2 INTO A REAL CNC MILL

CNC conversion for the X2D mini mill, done properly: **ball screws on all three axes, angular-contact bearings in machined drive plates, and closed-loop motion.** Choose the \$549 machined-parts kit, step up to the mechanical or electronics kit, or order a complete CNC mill, assembled and ready to run.

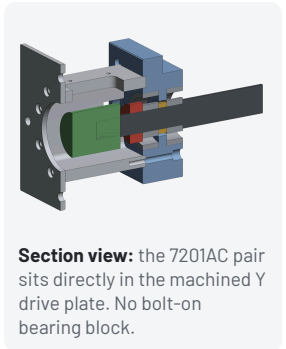
Designed and built by **Mythic Millworks** · Owner's manual & quick start guide included



Y-axis drive, exploded from the production CAD: SFU1605 ball screw, 7201AC pair, machined drive plate, coupler, tube mount, closed-loop NEMA 23.

ORANGE EDGES = 0.5 MM × 45° CHAMFER

WHY OURS	THIS KIT	TYPICAL X2 KITS
MOTION	✓ Closed-loop NEMA 23 steppers with encoders + CL57T drivers	Motors and drivers sold separately
BEARINGS	✓ Angular-contact pairs, back-to-back, in machined drive plates	Bearings in separate add-on housings
SCREWS	✓ Ball screws + ball nuts on all 3 axes, couplers and fasteners included	Some omit couplers or even screws
CONTROL	✓ Warp9 Ethernet SmoothStepper, Mach4-ready, 48 V driver supply	Electronics extra; turnkey X2s on Mach3
SPINDLE	✓ Belt drive (Complete mill): up to 4300 RPM, no gears to strip	Stock X2D gear drive, 100–2500 RPM
PATH	✓ Four tiers from parts kit to turnkey mill, each builds on the last	Hardware kit or whole machine



PICK YOUR STARTING POINT

EACH TIER INCLUDES THE ONE BEFORE: A → B → C → COMPLETE

KIT A
MACHINED PARTS

- ◆ 19 CNC-machined 6061-T6 parts, edges chamfered 0.5 mm × 45°
- ◆ X, Y, Z drive plates with built-in angular-contact bearing seats
- ◆ X support plate
- ◆ 3 tube motor mounts, 3 end plates, 3 access hatches
- ◆ X/Y/Z ball nut supports and mounts
- ◆ Inner bearing spacers

\$549
Parts kit: add your own hardware

KIT B
MECHANICAL

EVERYTHING IN KIT A, PLUS

- ◆ Precision ball screws with ball nuts: SFU1204 (X), SFU1605 (Y, Z)
- ◆ Angular-contact bearing pairs, back-to-back: 7000AC (X), 7201AC (Y, Z)
- ◆ 608ZZ support bearing on X
- ◆ Shaft couplers
- ◆ All fasteners

\$1,099
Ready for your motors & controls

KIT C · COMPLETE
ELECTRONICS

BEST VALUE

EVERYTHING IN KIT B, PLUS

- ◆ 3 closed-loop NEMA 23 3.0 N-m steppers + CL57T drivers
- ◆ 48 V 500 W driver supply, 24 V Mean Well logic supply
- ◆ Warp9 Ethernet SmoothStepper + C25XP breakout
- ◆ 4 M12 inductive homing sensors
- ◆ E-stop and limit switch set
- ◆ Tool-touch probe

\$2,499
Motion, control, homing & probing

TURNKEY
COMPLETE CNC MILL

ALL OF KIT C, INSTALLED

- ◆ New Sieg X2D mini mill
- ◆ LMS 2560 belt drive: 0–1700 / 0–4300 RPM, quiet, no gears to strip
- ◆ Beelink mini PC with Mach4 Hobby
- ◆ Wired control cabinet
- ◆ R8 starter tooling package

Options: XHC WHB04B-6 wireless MPG pendant, digital tachometer

\$5,999
Turnkey: set up and start cutting

Kits A–C do not include a PC or Mach4 license. Kit C does not include an electrical enclosure, panel connectors or custom wiring; motors, drivers and power supplies come with only their factory leads.

READY TO MAKE CHIPS UNDER PROGRAM CONTROL?

Tell us which kit fits your shop. We'll answer questions and confirm your order.

CONTACT
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