TURBO

4-axis PLC bridge saw



Turbo, Next Level design image

PRODUCT OVERVIEW

Turbo is a straightforward 4-axis bridge saw for everyday straight and miter cutting. A 29.5 HP (22 kW) permanent-magnet motor, a head that rotates 360° and tilts to 46°, and a 15-inch PLC touchscreen with ready-made shape programs make it easy to learn and easy to keep running.



Circle cut by the blade



Countertop program, cut

29.5 HP	141¾ × 86⅝ in	0–360°	40 hours
Saw motor (22 kW), up to 4,000 rpm	Cutting area (3,600 × 2,200 mm)	Head rotation, C-axis	Installation + training

KEY SPECIFICATIONS

Type	4-axis bridge saw, PLC control
Saw motor	Permanent magnet, variable frequency
Blade diameter	13¾–19⅝ in (350–500 mm)
Z-axis travel	11¾ in (300 mm)
A-axis	Head tilt 0° and 46°
Control	PLC + motion controller; 15-inch touchscreen (not a PC)
Worktable	PVC faced with a rubber mat
Frame	Galvanized, with back panel
Software	Upgrades free for the life of the machine

WHAT TURBO IS, AND ISN'T

Turbo cuts with the blade only: no router, camera layout or vacuum handling. For milling, sink cutouts and photo layout, see Turbo Plus.

IDEAL APPLICATIONS

- Straight cuts and miters in granite, quartz, marble and porcelain.
- Countertop blanks, strips and backsplashes.
- A first bridge saw, or a second saw beside a CNC.
- Shops that want simple PLC operation.

INCLUDED CONFIGURATION

- Turbo bridge saw with its control console.
- Automatic tool-setting gauge.
- Automatic lubrication system.
- Voltage transformer, matched to your supply.
- Next Level upgrade: sealed electrical cabinet with industrial A/C.
- Spare-parts kit: wrenches, screwdrivers, pipe clips, Teflon tape, 10 foot pads, 2 blade water pipes.
- English instruction manual.
- Installation and operator training by Next Level technicians.

BEFORE YOU ORDER

Confirm your 3-phase voltage and frequency so the transformer is matched. Blades, tools and consumables are separate. Offloading, placement and final utility hookups are the customer's responsibility.

STRAIGHT CUTS. SIMPLE CONTROL.

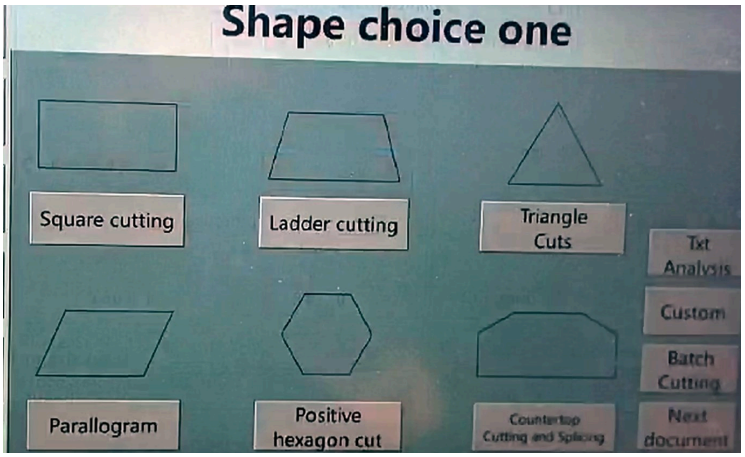
A practical saw for straight and miter work.



Built on guides and racks

Every axis runs on #30 linear guides, and the head turns through 360° on a precision robot reducer. The A-axis tilts the blade to 46° for mitered edges and returns it to 0° for straight cuts.

X-axis	Helical rack and pinion; planetary reducer
Y-axis	Helical rack and pinion
Z-axis	Ball screw; planetary reducer





Shapes on the touchscreen.

The PLC cutting program has shape pages: squares, trapezoids, triangles, parallelograms, hexagons, L-shaped and reverse-L tops, countertop overhangs, full circles, ovals and fan shapes. Enter the dimensions and cut; custom shapes and batch cutting are on the same screens.

Set up for clean miters.

The tool-setting page stores the blade diameter and the tooth and core thickness, presets the blade against the table and holds the chamfer offsets for mitered edges like this one. Jog keys on the same page move X, Y, Z and C.

Photos and screen: frames from the factory's Turbo demonstration videos (screen color-corrected); blade guard shown in Next Level blue.

SITE. UTILITIES. DELIVERY.

Plan the installation before the machine arrives.



Size and utilities

Plan the floor area for the machine, its control console and service access. The main section ships in one piece.

Total power	30 kW
Water	8.8 GPM (2 m³/h)
Size (L × W × H)	18 ft 10⅜ in × 13 ft 7⅜ in × 11 ft 5¾ in (5,750 × 4,150 × 3,500 mm)
Weight	9,921 lb (4,500 kg)
Main section as shipped	18 ft 10⅜ in × 7 ft 2⅝ in × 8 ft 2⅜ in (5,750 × 2,200 × 2,500 mm)

TURBO, TURBO PLUS OR TURBOJET?

	Turbo	Turbo Plus	TurboJet
Machine type	**4-axis PLC bridge saw**	5-axis CNC saw + router	5-axis CNC saw + waterjet
Second tool	**—**	10 HP (7.5 kW) router, 15,000 rpm	49.6 HP (37 kW) waterjet pump
Blade diameter	**13¾–19⅝ in (350–500 mm)**	13¾–23⅝ in (350–600 mm)	17¾ in (450 mm)
Worktable	**141¾ × 86⅝ in (3,600 × 2,200 mm)**	145⅝ × 98⅜ in (3,700 × 2,500 mm)	157½ × 82⅝ in (4,000 × 2,100 mm)
Head	**C 0–360°; A 0° / 46°**	C 0–360°; A 0–90°	C + A, 5-axis RTCP; jet tilts 0–50°
Control	**PLC, 15-inch touchscreen**	Industrial PC + touchscreen	21-inch industrial PC
Camera layout / nesting	**—**	Yes / yes, with vein matching	20 MP / yes, with vein matching
Material handling	**—**	Vacuum cups, up to 1,102 lb (500 kg)	Vacuum cups
Tilting table	**—**	To 85°	To 85°
Install + training	**40 hours**	70 hours	90 hours

All three: 29.5 HP (22 kW) saw motor. Factory figures, Oct 28, 2026; U.S. values converted and rounded. Install + training hours are Next Level's included service.

SITE REQUIREMENTS

- Level concrete floor with clear access, operating space and service space around the machine.
- Offloading, rigging and final placement, with a forklift or crane, are by the customer unless the quotation says otherwise.
- A licensed electrician makes the final power connection; you provide water, drainage and compressed air as specified.
- A surge-protection device on the machine supply is required to keep the electrical warranty valid.

INSTALLATION AND WARRANTY

- 40 work hours of installation and operator training, combined.
- Technician travel, lodging, meals, local transportation and rental vehicle are included.
- Setup, leveling, calibration, start-up, operational testing and commissioning on site.
- Training covers operation, software basics, cutting functions, tool changes and maintenance; operators should be available Monday to Saturday.
- One-year limited warranty (mechanical and electrical, one shift), from installation; remote troubleshooting and diagnostic support from Next Level.

Front view: Next Level design image of the Turbo, with back panel.