TURBO SERIES

TECHNICAL SPECIFICATION SHEET

TURBOJET

5-axis CNC sawjet: blade + waterjet

TurboJet puts a blade saw and an abrasive waterjet on one 5-axis bridge.



TurboJet, Next Level image (pump unit not shown)

29.5 HP	65,000 psi	20 MP	90 hours
Saw motor (22 kW)	Rated jet pressure (450 MPa)	Camera photo layout	Installation + training

The blade does the fast straight cuts; the waterjet cuts curves, small radii, inside corners and sink holes, even in sintered stone and porcelain, without moving the slab to another machine.

KEY FEATURES

- **Saw and waterjet head**
  A 29.5 HP (22 kW) permanent-magnet saw motor and an abrasive waterjet nozzle share one 5-axis head.
- **Sand feeder**
  100 L pressure vessel holds 331 lb (150 kg) of abrasive, enough for 200–300 minutes of cutting; low-sand alarm; can feed up to two jet heads.
- **Control and build**
  5-axis RTCP CNC, bus servos with absolute encoders; shape and countertop libraries, DXF import, nesting, vein matching, remote support.
- **Intensifier pump**
  49.6 HP (37 kW) motor, 20:1 boost ratio, up to 0.98 GPM (3.7 L/min); working pressure 46,000–55,000 psi (320–380 MPa); fan and heat-sink cooled.
- **Measured before it cuts**
  A European-brand laser builds a height map along each cutting path, blowing the water film away first; a 20 MP, 1-inch CMOS camera photographs the slab so you program on the real slab.

APPLICATIONS Sink and basin holes, inside corners and small radii; sintered stone, porcelain and ceramic as well as granite and quartz; countertops cut, chamfered and holed on one table; inlays, curves and shapes from DXF drawings.

TURBOJET · TECHNICAL DATA

5-AXIS CNC SAWJET: BLADE + WATERJET

WORK AREA	
X / Y travel	153½ × 111 in (3,900 × 2,820 mm)
Worktable	157½ × 82⅝ in (4,000 × 2,100 mm); faced with concrete plate or rubber; tilts to 85°
Saw chamfering, max.	141¾ × 82⅝ × 2¾ in (3,600 × 2,100 × 70 mm)
Waterjet cutting and chamfering, max.	149⅝ × 82⅝ × 2⅜ in (3,800 × 2,100 × 60 mm)

MORE TECHNICAL DATA	
Blade	Flange 2 in (50 mm)
Blade probe	Measures blade diameter automatically
Abrasive flow	0–0.77 lb/min (0–350 g/min)
Axis speeds	X 164 / Y 131 / Z 26 ft/min (50 / 40 / 8 m/min)
Software license	Office license included

UTILITIES	
Total power	69 kW
Water	13.2 GPM (3 m^3/h)
Compressed air	87 psi (6 bar)

DIMENSIONS AND WEIGHT	
Size with front sliding doors (L × W × H)	20 ft 8¼ in × 17 ft 1⅜ in × 14 ft 3¼ in (6,304 × 5,215 × 4,349 mm)
Weight	28,660 lb (13,000 kg)

DETAILS	
Saw speed	0–4,000 rpm, variable frequency
Jet nozzle	0.33 mm orifice; 1.02 mm mixing tube
Drives	Helical rack + pinion; ball-screw Z

FOOTPRINT	
Floor area with pump and console	26 ft 3⅜ in × 22 ft 3⅜ in (8,012 × 6,804 mm)
Table	157½ × 82⅝ in (4,000 × 2,100 mm), over the water tank

BESIDE THE MACHINE	
Pump unit (L × W × H)	51⅛ × 68⅞ × 59 in (1,300 × 1,750 × 1,500 mm); beside the left rail, 17¾ in (450 mm) from the machine
Sand supply tank	27½ in Ø × 43¼ in high (700 × 1,100 mm)
Console	On a swing arm at the front right corner

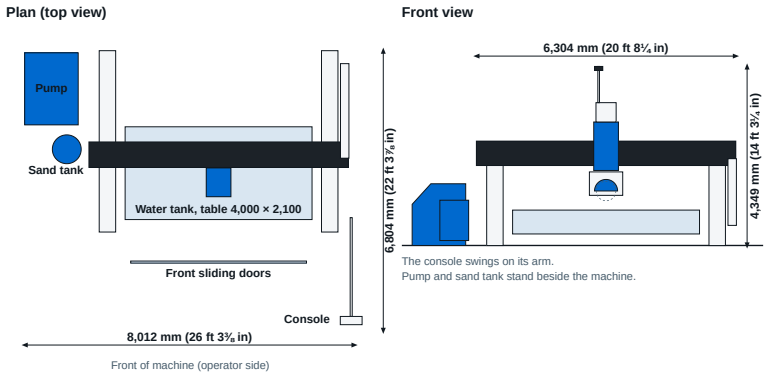
INCLUDED AS STANDARD

- TurboJet sawjet with high-pressure pump and automatic sand feeder
- Next Level upgrade: automatic sand-cleaning machine
- 21-inch industrial PC with the CNC software and office license
- Camera, laser height gauge and blade probe
- Vacuum cups to move plates; operating handle
- Sealed electrical cabinet with industrial A/C
- Spare-parts kit
- Installation and operator training by Next Level technicians

INSTALLATION AND WARRANTY

- 90 work hours of installation and operator training, combined; technician travel and lodging included.
- Setup, leveling, calibration, start-up, operational testing and commissioning on site.
- One-year limited warranty (mechanical and electrical, one shift), from installation; remote troubleshooting and diagnostic support from Next Level.
- Blades, router tools, abrasives and consumables are not included unless listed.

LAYOUT AND DIMENSIONS



Drawn to scale from the factory's installation drawing. Your final drawing comes with the order.

Factory data, Oct 28, 2026; size from the factory installation drawing (Nov 2026). U.S. values are converted and rounded. Pressures and flows are pump ratings; cutting speed depends on material, thickness and abrasive. **Specifications subject to change without notice.** Images may show optional equipment. All dimensions and weights are approximate; U.S. values are converted from the factory's metric data. Document date: Nov 2026. Next Level Enterprises · www.nextlevel.plus · +1 941-900-3018 · sales@nextlevel.plus