PHOENIX

TECHNICAL SPECIFICATION SHEET

PHOENIX

3-axis CNC stone surface polisher

Phoenix hones, polishes and textures the face of slabs and countertops by CNC.



Factory photo in Next Level colors, shown without the standard doors and back panel

20 heads	20 MP	Galvanized	Tilting
10 on the bridge + 10 on the floor	Vision positioning	Hot-dip frame, doors, back panel	Worktable

KEY FEATURES

- **Tool changer on the bridge**
  Grinding heads hang in their positions along the bridge, next to the polishing spindle.
- **Pressure by stone type**
  Regulators and gauges on the head set the air pressure of the polishing cylinder; the software selects the setting that suits soft or hard stone.
- **Thickness measured first**
  The thickness-measuring head reads each slab before polishing, from ⅜ to 15¾ in (10–400 mm).
- **Chevron grinding blocks**
  Diamond blocks for the Ø 270 mm discs, coded by grit.
- **Grinding head holder**
  Each abrasive disc sits on its own holder: Ø 270 mm discs carry the chevron grinding blocks, the Ø 200 mm disc carries the bush-hammer rollers.
- **20 MP camera above the table**
  The high-definition camera identifies and positions the outline of every slab on the worktable.
- **Remote support**
  The industrial computer connects by Wi-Fi: technicians transfer files, update the software and troubleshoot remotely.
- **Bush-hammer disc**
  Ø 200 mm disc for bush-hammered (textured) granite.

APPLICATIONS Repairing scratched or dull slabs and countertops; honed (matte), polished and leathered finishes; bush-hammered textures on granite; kitchen countertops, tombstones and decorative panels.

PHOENIX · TECHNICAL DATA

3-AXIS CNC STONE SURFACE POLISHER

KEY SPECIFICATIONS	
Worktable, max. slab	141¾ × 86⅝ in (3,600 × 2,200 mm)
Slab thickness	⅜–15¾ in (10–400 mm)
X / Y / Z travel	149⅝ / 102⅜ / 23⅝ in (3,800 / 2,600 / 600 mm)
Axis speeds	X, Y 98 ft/min; Z 20 ft/min (30 / 30 / 6 m/min)
Grinding heads	Ø 7⅞–11¾ in (200–300 mm)
Main motor	10 HP (7.5 kW); 15 HP (11 kW) on request
Measuring	Automatic slab thickness
Control	Touchscreen industrial PC
Electrical cabinet	Sealed, with industrial air conditioner
Materials	Quartz, quartzite, marble, granite, porcelain, sintered stone
DETAILS	
On the bridge	Thickness-measuring head, 8 marble heads, brush head
Floor magazine	8 granite heads, bush-hammer head, spare position

DETAILS (CONT.)	
Quartzite	12 heads recommended
Marble, granite	8–10 heads recommended
1. Photo	Camera captures every slab outline
2. Program	Select the heads and the polishing paths
3. Run	Start; heads change automatically
SIZE AND WEIGHT	
Width with doors	16 ft 0⅞ in (4,900 mm)
Weight	12,125 lb (5,500 kg)
UTILITIES	
Total power	13.5 kW
Water	13.2 GPM (3 m³/h)
Water pressure	29–44 psi (2–3 bar)
Compressed air	87–102 psi (6–7 bar)
SHIPPING	
Container	40 ft high-cube; two machines share one container

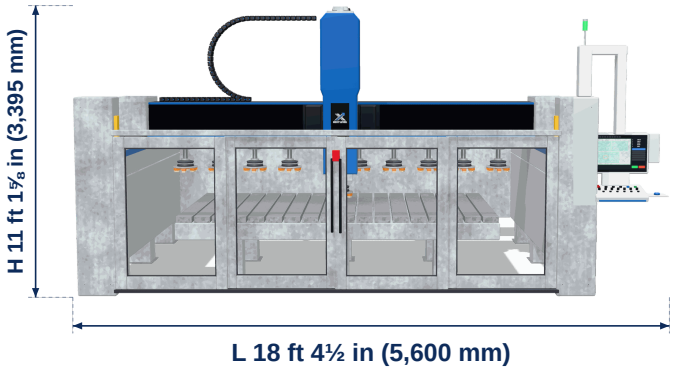
INCLUDED AS STANDARD

- Two head sets, 20 heads in all
- A set of abrasives to start
- Doors, back panel and tilting table
- Vision software with Wi-Fi remote support

INSTALLATION AND TERMS

- Installation, operator training and warranty terms are stated on your Next Level quotation.
- Site and utilities must be ready before the technician arrives.
- Abrasives beyond the included set, and other consumables, are not included.
- Final configuration, electrical build and delivery are confirmed in writing at order.

LAYOUT AND DIMENSIONS



3D model view of the standard Phoenix with doors and back panel: overall size.

Factory data (quotation, catalog, Nov 2026 update); U.S. values are converted and rounded. Specifications are 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