

**NATIONAL
FLOORING
EQUIPMENT**

Made in America Since 1968



FIND THE RIGHT GRINDER

Compare NFE Grinder solutions for prep and polish

HOW TO CHOOSE THE RIGHT GRINDER

START WITH THE JOB



Small Residential

- Garage Floors
- Coating Prep
- Edge Work
- Tight Spaces



Commercial

- Retail
- Schools
- Offices



Large Scale

- Warehouses
- Industrial
- Decorative Concrete
- High Production Environments



Helix



8274-4



M600



P650



M800



P800



HELIX

Best for garages, residential prep, edge work, and tight spaces where compact transportability and standard 110V power are essential.

8274-4

Designed for aggressive commercial prep and coating removal while still operating on standard 110V power.

M600

Ideal for daily commercial prep and polishing in indoor environments like offices, schools, and retail spaces.

M800

Built for high-production indoor grinding and polishing on large commercial and decorative concrete projects.

P650

A propane-powered option for contractors needing greater runtime and flexibility on large commercial jobsites.

P800

Designed for maximum production on industrial projects and large square footage grinding and polishing applications.

GRINDER COMPARISONS



	Helix	8274-4	M600	M800	P650	P800
Power	Electric (110 V)	Electric (110V)	Electric	Electric	Propane	Propane
Grinding Path	16"	18.5"	23"	32"	25"	32"
Dimensions	17.5" x 40" x 40"	20" x 40" x 45"	23" x 47" x 50"	32" x 60" x 59"	26" x 51" x 61"	32" x 60" x 60"
Weight	206 lbs	388 lbs	540 lbs	1433 lbs	900 lbs	1180 lbs
Work	Prep	Prep + Polish	Prep + Polish	Prep + Polish	Prep + Polish	Prep + Polish

Machine breakdown (110V Grinders).

HELIX

- Designed for small jobs & tough to reach spaces
- 110V power
- Built-in edge grinder
- Dual-speed motor
- Quick-release lever to convert to modular machine for easy transport



Recommended Accessories:

We recommend pairing your Helix planetary grinder with the DL2000 dust collector and DLS2000 pre-separator.

404580 Helix Scarifier Tooling is great for extra tough removals.

The Helix comes with one installed, but a second 402757 Grind & Scrape Plate can save time on the job site.

VS.

8274-4

- The only grinder on the market offering 3HP at 115 volts while operating at a 230 volt level.
- Soft start to control amperage draw
- Removable handle and weight for easy transport



Recommended Accessories:

We recommend pairing your Helix planetary grinder with the DL2000 dust collector and DLS2000 pre-separator.

PCD Tooling: Recommended for aggressive coating, adhesive, and epoxy removal applications.

Half Bar & Full Bar Diamonds: Ideal for concrete prep, profiling, coating removal, and polishing steps depending on grit selection.

Machine breakdown (Electric NFE Hyper Grinders).

M600

- A compact and powerful machine with variable speed and adjustable working pressure.
- Direct gear drive with heat-treated gears
- Dual Cut Technology allows operators to lock the grinding plate in place.



Recommended Accessories:

This grinder ships from National with Fast Change plates. This popular wedge-shaped grinder tooling series has dozens of grit, bond, and segment styles.

We recommend pairing your M600 planetary grinder with the DL3000, or DL3000P dust collector.

VS.

M800

- The M800 is a 32" electric grinder for large jobs
- Full geared transmission
- Automatic planetary lifting and a third wheel supports ease of loading and unloading.



Recommended Accessories:

This grinder ships from National with Fast Change plates. This popular wedge-shaped grinder tooling series has dozens of grit, bond, and segment styles.



Machine breakdown (Propane NFE Hyper Grinders).

P650

- Fully geared machine with no loose belts to stretch or snap
- Equipped with DCT technology, giving the operator the ability to lock the grinding plate in place
- 26" grinding path
- Propane powered for longer runtime



Recommended Accessories:

This grinder ships from National with Fast Change plates. This popular wedge-shaped grinder tooling series has dozens of grit, bond, and segment styles.

We recommend pairing your M600 planetary grinder with the DL3000, or DL3000P dust collector.

VS.

P800

- The P800 is a 32" propane grinder for large jobs
- Full geared transmission
- Automatic planetary lifting and a third wheel supports ease of loading and unloading.



Recommended Accessories:

This grinder ships from National with Fast Change plates. This popular wedge-shaped grinder tooling series has dozens of grit, bond, and segment styles.

