There is no other Scarifier System like a GrindLazer.


Welcome to a whole new world of surface preparation. Graco manufactures the most innovative and highest quality professional scarifier solutions in the market.

This informational guide is designed to help you select the right equipment for your line removal, inlay, grooving and surface leveling needs. Graco’s family of scarifiers include the GrindLazer 270, 390 and 630.

All three units are built with the professional contractor in mind and will deliver unmatched results once again proving that when it’s a Graco—It’s Built to Last!

What is the G4 Difference? Only Graco delivers the industry’s first choice for scarifier systems, backed by a solid reputation for proven quality, maximum performance, reliable warranty coverage and unmatched on-the-job productivity. Graco scarifier systems are designed to exceed the professional contractor’s standards for quality and performance. Graco is the name to turn to today and as your business grows.

PROVEN QUALITY

Precision design, 100% factory-tested and field-proven. Cutting-edge technology keeps Graco scarifier systems up and running and on the job for years.

MAXIMUM PERFORMANCE

Higher output with superior control ensures highest quality for every job. Rely on any of these high performance units to deliver the results you expect from a Graco.

INDUSTRY-LEADING WARRANTY

Every Graco scarifier system is backed by our warranty coverage and more than 80 years of proven commitment to the professional contractor.

UNMATCHED PRODUCTIVITY

Superior design, innovative technology means you’ll be getting the highest productivity in a scarifier system—only from Graco. We stand by our products and don’t settle for less than the best. You’ll see for yourself once you’ve experienced GrindLazer.
Graco has the Right Solutions for all your scarifier applications.

Graco introduces the 270, 390 and 630 GrindLazers as your total solution for all of your scarifier applications. Every Graco scarifier exceeds comparable competitive units in ease of use and quality. And with the EasyGlide® Wheel Mount System you’ll think that you’re using a LineLazer®!

When choosing which Graco GrindLazer best fits your needs, you must consider what material you will be removing and how fast you want to complete the job. This guide will help walk you through this process and help you find the right GrindLazer. No matter what scarifier application you face, Graco has the Total Job Solution for you.

**Scarifier Solutions Guide**

<table>
<thead>
<tr>
<th>MEDIUM DUTY</th>
<th>HEAVY-DUTY</th>
<th>EXTREME DUTY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GrindLazer 270</strong></td>
<td><strong>GrindLazer 390</strong></td>
<td><strong>GrindLazer 630</strong></td>
</tr>
<tr>
<td>Thermoplastic Removal</td>
<td>Thermoplastic Removal</td>
<td>Thermoplastic Removal</td>
</tr>
<tr>
<td>Smoothing Uneven Surfaces</td>
<td>Epoxy Coating Removal</td>
<td>Epoxy Coating Removal</td>
</tr>
<tr>
<td><strong>MAXIMUM WORKING WIDTH</strong></td>
<td><strong>PRODUCTION/REMOVAL RATE</strong></td>
<td><strong>CUTTER SELECTIONS</strong></td>
</tr>
<tr>
<td>8 in (20.5 cm) cut</td>
<td>Walking 600 sq ft/hr with LineDriver™</td>
<td>12 Point Beam, Steel</td>
</tr>
<tr>
<td>1/8 inch Depth Removal</td>
<td>1200 sq ft/hr</td>
<td>8 Point Flail Tungsten Carbide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 Point FullCut Tungsten Carbide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 Point Miller Tungsten Carbide</td>
</tr>
<tr>
<td>10 in (25.5 cm) cut</td>
<td>Walking 800 sq ft/hr with LineDriver™</td>
<td>12 Point Beam, Steel</td>
</tr>
<tr>
<td></td>
<td>1700 sq ft/hr</td>
<td>8 Point Flail Tungsten Carbide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 Point FullCut Tungsten Carbide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 Point Miller Tungsten Carbide</td>
</tr>
<tr>
<td>N/A</td>
<td>Walking N/A</td>
<td>5 Point Diamond Blade</td>
</tr>
<tr>
<td></td>
<td>with LineDriver™ 2100 sq ft/hr</td>
<td></td>
</tr>
</tbody>
</table>
GrindLazer. Our Technology Leads the Way.

Honda® and Vanguard® Power Two proven workhorse engines power the GrindLazer family of products.
Honda Engine – Reliable, technologically advanced and easy to start. Includes field proven Oil Alert and Cyclone Air Cleaner that contractors can depend on.
Vanguard Engine – This powerhouse features advanced technologies and integrated components such as Oil Gard® and Donaldson® dual clean air filtration system to provide excellent performance.

ProStart™ System When Graco set out to design the perfect clutch, we questioned everything: every number, every scenario, every detail. The result? ProStart our most rugged and reliable centrifugal clutch system on the market today. The ProStart centrifugal clutch system allows easy starting and disengagement of cutters which provides one of the safest scarifier systems on the market today!

Flail Tungsten Carbide Cutters Our Flail-style Tungsten Carbide Cutters are precision made with the finest materials assuring the longest life, best cutting results. With case hardened drums and 3/4 inch shafts these drum cutter assemblies are built to take the most demanding conditions. These 8 point cutters are best for your everyday line removal needs including traffic paint all the way up to thermoplastics. These 6 point cutters are best for thick, hard to remove materials such as thermoplastic and tape.

InstaCut™ Technology Graco engineering hit another home run with InstaCut Technology. InstaCut technology allows the user maximum control for safely engaging the cutters both on and off without having to lift their hands off the handles. It’s another Graco exclusive.

EasyGlide Wheel Mount System Front mounted caster along with dual rear pneumatic air-filled tires makes handling as easy as a LineLazer. EasyGlide Wheel Mount System with its Fat Track™ front wheel allows the most flexibility and ease of use in the industry.

DialDown™ Depth Control System Graco’s advanced DialDown Depth Control System allows precise cutting depths with a simple turn of the dial. Allows for fast and easy adjustment for maximum productivity. Fast and easy to use.

Miller Tungsten Carbide Cutters Our Miller-style Tungsten Carbide Cutters are precision made with the finest materials assuring the longest life, best cutting results. With case hardened drums and 3/4 inch shafts these drum cutter assemblies are built to take the most demanding conditions. These 6 point cutters are best for thick, hard to remove materials such as thermoplastic and tape.

LineDriver Attachment Now get higher productivity, straighter inlay and line removal with less fatigue.
Why Walk When You Can Ride? The patented LineDriver and LineDriver HD provide the most innovative, user-friendly ride-on systems for the professional line removal contractor in the industry.

Honda® and Vanguard® Power
Honda Engine – Reliable, technologically advanced and easy to start. Includes field proven Oil Alert and Cyclone Air Cleaner that contractors can depend on.
Vanguard Engine – This powerhouse features advanced technologies and integrated components such as Oil Gard® and Donaldson® dual clean air filtration system to provide excellent performance.

ProStart™ System
When Graco set out to design the perfect clutch, we questioned everything: every number, every scenario, every detail. The result? ProStart our most rugged and reliable centrifugal clutch system on the market today. The ProStart centrifugal clutch system allows easy starting and disengagement of cutters which provides one of the safest scarifier systems on the market today!

Flail Tungsten Carbide Cutters
Our Flail-style Tungsten Carbide Cutters are precision made with the finest materials assuring the longest life, best cutting results. With case hardened drums and 3/4 inch shafts these drum cutter assemblies are built to take the most demanding conditions. These 8 point cutters are best for your everyday line removal needs including traffic paint all the way up to thermoplastics. These 6 point cutters are best for thick, hard to remove materials such as thermoplastic and tape.

InstaCut™ Technology
Graco engineering hit another home run with InstaCut Technology. InstaCut technology allows the user maximum control for safely engaging the cutters both on and off without having to lift their hands off the handles. It’s another Graco exclusive.

EasyGlide Wheel Mount System
Front mounted caster along with dual rear pneumatic air-filled tires makes handling as easy as a LineLazer. EasyGlide Wheel Mount System with its Fat Track™ front wheel allows the most flexibility and ease of use in the industry.

DialDown™ Depth Control System
Graco’s advanced DialDown Depth Control System allows precise cutting depths with a simple turn of the dial. Allows for fast and easy adjustment for maximum productivity. Fast and easy to use.

Miller Tungsten Carbide Cutters
Our Miller-style Tungsten Carbide Cutters are precision made with the finest materials assuring the longest life, best cutting results. With case hardened drums and 3/4 inch shafts these drum cutter assemblies are built to take the most demanding conditions. These 6 point cutters are best for thick, hard to remove materials such as thermoplastic and tape.

LineDriver Attachment
Now get higher productivity, straighter inlay and line removal with less fatigue.

Why Walk When You Can Ride? The patented LineDriver and LineDriver HD provide the most innovative, user-friendly ride-on systems for the professional line removal contractor in the industry.
The **GrindLazer 270** is the perfect scarifier for removing parking lot lines. Its EasyGlide Wheel Mount System makes it as easy to use as a LineLazer and its rugged, innovative design means you can count on it to perform for a lifetime of use.

**Optional LineDriver**

LineDriver and LineDriver HD adaptable. Doubles your production while it eliminates user fatigue.

---

The **GrindLazer 390** is the contractor choice for all-around scarifying jobs including parking lot lines, intersection markings, construction zones and sidewalk smoothing. With the optional LineDriver System its productivity is unmatched and means you can get more work done everyday without the fatigue from walking.

**Optional LineDriver**

LineDriver and LineDriver HD adaptable. Doubles your production while it eliminates user fatigue.

---

**DESCRIPTION**

**PART #**

**GrindLazer 270 (Bare)** 571002

**GrindLazer 270, 8 in Cut** 24P725

12 Point Beam, Steel Complete

144 Cutters, 156 Spacers

**GrindLazer 270, 8 in Cut, 24P722**

8 Point FineFinish Complete

144 Cutters, 138 Spacers

**GrindLazer 270, 8 in Cut, 571021**

6 Point Miller Complete, Steel

42 Cutters, 132 Spacers

**GrindLazer 390 (Bare)** 571003

**GrindLazer 390, 10 in Cut** 24P726

12 Point Beam, Steel Complete

204 Cutters, 114 Spacers

**GrindLazer 390, 10 in Cut, 24P723**

8 Point FullCut Complete

138 Cutters, 162 Spacers

**GrindLazer 390, 10 in Cut, 24P720**

6 Point Miller Complete

54 Cutters, 66 Spacers

---

**SPECIFICATIONS**

**MAXIMUM CUT**

**WIDTH IN (CM):** 8 (20)

**CUT DIRECTION:** Forward

**REMOVAL RATE (WALK):** 600 sq ft/hr

**REMOVAL RATE (RIDE):** 1300 sq ft/hr

**HONDA ENGINE CC (HP):** 270 (9.0)

**WEIGHT LB (KG):** 300 (136)

**PROSTART SYSTEM:** Heavy-Duty

**AIR CLEANER:** Cyclone

---

**Vibration Reduction Technology**

- Pneumatic air-filled tires, comfort grips, LineLazer-like cart design combine to eliminate vibration reducing user fatigue
- Comfort grip handle bars for precise steering
- Up to 4X less vibration than the competition

**Optional LineDriver**

- Only unit to offer “hands-on” engagement of the cutting deck system for up or down position
- Provides ultimate flexibility for removal and inlay
- Allows deck to “float” when on uneven surfaces
**Ride-On System**

**LineDriver**

**LineDriver HD**

**Patented Propel System**

**FlexBeam Light**

---

**Extreme Duty ProStart System**

- Centrifugal clutch allows easy starting and shut off of cutters providing one of the safest units on the market today
- Easy to start in cold weather
- Eliminates broken recoils
- Provides longer belt life

**Ease-Z-Steer Handle Bar System**

- Fully adjustable handles for all size users
- Reduces vibration

**Exclusive FlexBeam™ Break-A-Way Light System**

- Fully adjustable for all types of low light applications
- Break-A-Way design helps protect against costly repairs and keeps you on the job

**Patented Dual Foot Pedal System**

- For forward and reverse—move between jobs without having to push!

**Exclusive ProStart® Engine Starting System**

- Up to 50% less pulling effort to start the engine—no more broken recoils
- Outperforms manual pull and electric start systems when the weather starts turning colder

**Honda Engine**

- Compact, lightweight and powerful—Honda engines are reliable, technologically advanced and easy to start
- Oil Alert shuts down engine if oil level drops too low, preventing damage
- Contractor preferred

---

**GrindLazer 630**

The GrindLazer 630 is the high production choice when it comes to the most demanding scarifier jobs. With its “Up-Cut” cutting direction you not only are able to remove all types of lines found on parking lots or roadways but now have the power to do inlay/grooving jobs. Combined with the LineDriver you’ll finish jobs faster and more accurately than ever before!

---

**LineDriver Required**

GrindLazer 630 with Reverse/“Up-Cut” cutting direction requires the use of a LineDriver Propel System. The GrindLazer 630 unit cannot operate without a LineDriver due to the ProStart Safety Switch Interlock System.
**Steel**

- **Flail**
- **FullCut**
- **Miller**

**Diamond**

- **5 inch**
- **10 inch**

**Drum**

- **Case Hardened**
- **Diamond**

**Accessories**

**SCRIFIER SYSTEMS**

---

### CUTTERS

- **24F181** Beam Steel Cutter – 12 Point (25 pack)
  - Select premium, steel cutters for your delicate asphalt and concrete removal projects.

- **24D612** Flail Tungsten Carbide Cutter – 8 Point (20 pack)
  - Select ultra-premium, long life flail cutters for your toughest asphalt and concrete removal projects.

- **24F213** FullCut Tungsten Carbide Cutter – 8 Point (20 pack)
  - Select ultra-premium, long life FullCut cutter for fine finish asphalt and concrete removal and inlay projects.

- **24D613** Miller Tungsten Carbide Cutter – 6 Point (8 pack)
  - High grade tungsten carbide cutter that removes thick film coatings, thermoplastics, epoxies and tape fast.

- **24E289** DynaCut Diamond Blade – 5 Point (single blade)
  - High performance diamond blades for dry-cut on AC and PCC substrates.
  - Need to shave, groove, grind, route or plunge-cut? This blade is engineered to provide the longest lasting performance.

### DRUMS

**3 EASY STEPS TO REMOVE/INSTALL DRUM ASSEMBLY***

1. Loosen four bolts.
2. Remove bolts and door.
3. Remove drum assembly.

*Reverse to install.

- **24D610** Case Hardened Steel Drum Replacement – 6 Shaft Drum
- **24D982** Diamond Drum Replacement – Drum Only

### TIRES

**111051** Rear Pneumatic Air Filled Tire
- **111052** Front Pneumatic Air Filled Tire

**LINE POINTER**

- **24D984** Line Pointer System
  - 25 inch retractable steel pointer for keeping straight while guiding the GrindLazer.

### GRINDLAZER KITS

- **245321** Hitch Kit (for GrindLazer 270 and 390 units only)
  - Used to hook up the LineDriver unit.

- **24E280** Drive Shaft Bearing Kit
  - Bearing, bearing housing, hex shaft and fasteners.

- **24E291** Door Side Bearing Kit
  - Bearing, bearing housing and fasteners.

- **24D584** GrindLazer Brush Kit
  - Brushes and fasteners for complete unit.

- **24E294** Front Wheel Swivel Caster Cable Kit

- **24E295** InstaCut Engagement Cable Kit

- **24E296** Throttle Control Cable Kit

---

### CUTTER ASSEMBLIES

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Cut Width</th>
<th>Cutters</th>
<th>Spacers</th>
<th>Rods</th>
<th>End Plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>24F181</td>
<td>Replacement 12pt Blades, Steel Cutters (25 packs)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24F174</td>
<td>Completely assembled drum for smooth finishes 5 in / 12.5 cm</td>
<td>6</td>
<td>126</td>
<td>222</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>24F175</td>
<td>Completely assembled drum for smooth finishes 8 in / 20.5 cm</td>
<td>8</td>
<td>174</td>
<td>156</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>24F176</td>
<td>Completely assembled drum for smooth finishes 10 in / 25.5 cm</td>
<td>10</td>
<td>204</td>
<td>114</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

See Repair manual for additional Cutter Stacking Recommendations.

---

### DIAMOND BLADES

- **123252** Square Key
  - For use with all GrindLazer Cross Cuts

- **123253** Replacement Diamond Blade for use with all GrindLazer Cutters

- **123254** Replacement Diamond Blade without cutters and spacers

See Repair manual for additional Cutter Stacking Recommendations.

---

### Millers

- **24D583** Completely assembled drum for Ultra/Fine Finish 10 in / 25.5 cm | 10 | 138 | 162 | 6 | 2 |

See Repair manual for additional Cutter Stacking Recommendations.

---

**Application:**

- All purpose removal of paint, spray, thermoplastic markings, bump-smoothing, anti-slip grooving and inlay applications for a smooth finish.
GrindLazer Specifications

<table>
<thead>
<tr>
<th>Unit Model</th>
<th>GrindLazer 270</th>
<th>GrindLazer 390</th>
<th>GrindLazer 630</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>571002</td>
<td>571003</td>
<td>571260</td>
</tr>
<tr>
<td>Maximum Working Width in (cm)</td>
<td>8 (20)</td>
<td>10 (25)</td>
<td>10 (25)</td>
</tr>
<tr>
<td>Engine Size cc (hp)</td>
<td>Honda 270 (9)</td>
<td>Honda 390 (13)</td>
<td>Vanguard 630 (21)</td>
</tr>
<tr>
<td>Front Tire</td>
<td>Pneumatic Air-Filled, Swivel</td>
<td>Pneumatic Air-Filled, Swivel</td>
<td>Pneumatic Air-Filled, Swivel</td>
</tr>
<tr>
<td>Rear Tires</td>
<td>Pneumatic Air-Filled</td>
<td>Pneumatic Air-Filled</td>
<td>Pneumatic Air-Filled</td>
</tr>
<tr>
<td>Drive Belt Style</td>
<td>3-Cog</td>
<td>3-Cog</td>
<td>3-Cog</td>
</tr>
<tr>
<td>Cut Direction (Drum)</td>
<td>Forward</td>
<td>Forward</td>
<td>Reverse*“Up-Cut”*</td>
</tr>
<tr>
<td>Clutch</td>
<td>Heavy-Duty Centrifugal</td>
<td>Heavy-Duty Centrifugal</td>
<td>Extreme Duty Centrifugal</td>
</tr>
<tr>
<td>Weight lb (kg)</td>
<td>300 (136)</td>
<td>310 (140)</td>
<td>330 (150)</td>
</tr>
<tr>
<td>LineDriver</td>
<td>Optional</td>
<td>Optional</td>
<td>Required</td>
</tr>
<tr>
<td>Applications</td>
<td>• Traffic Paint Removal</td>
<td>• Traffic Paint Removal</td>
<td>• Traffic Paint Removal</td>
</tr>
<tr>
<td></td>
<td>• Thermoplastic Removal</td>
<td>• Thermoplastic Removal</td>
<td>• Thermoplastic Removal</td>
</tr>
<tr>
<td></td>
<td>• Smoothing Uneven Surfaces</td>
<td>• Smoothing Uneven Surfaces</td>
<td>• Smoothing Uneven Surfaces</td>
</tr>
<tr>
<td></td>
<td>• Epoxy Removal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Inlay Grooving</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Removal Rate (Walk)</td>
<td>600 sq ft/hr</td>
<td>800 sq ft/hr</td>
<td>N/A</td>
</tr>
<tr>
<td>Removal Rate (Ride)</td>
<td>1300 sq ft/hr</td>
<td>1700 sq ft/hr</td>
<td>2100 sq ft/hr</td>
</tr>
</tbody>
</table>

**ENGINE WARRANTY**

Three year engine warranty for Honda engines and two year warranty for Vanguard engines.

**1-YEAR WARRANTY**

Coverage against defects in materials and workmanship on the entire GrindLazer.

**CONVENIENT SERVICE**

Graco offers authorized distributor locations in North America for service and warranty repair.

*NORTH AMERICA ONLY. See your local Graco distributors for country specifics.

**WARRANTY**

We stand behind every piece of equipment we manufacture with the industry’s strongest warranty. Grind with the confidence that you will probably never need to use Graco’s warranty, but if you do... we will be there.

**Nobody Else Builds Scarifiers Like This.**
Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company’s success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco’s ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

Call today for product information or to request a demonstration.

800-690-2894 or visit us at www.graco.com.