

GrindLazer**

Scarifier Systems



There is no other Scarifier System like a GrindLazer.

Quality. Performance.

Durability. Productivity.

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 your 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.



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.







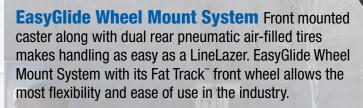
ProStart System When Graco set out to design the perfect clutch, we questioned everything: every number, every scenario, every detail. The result? ProStart our most rugged and reliable centrifugal clutch system on the market today. The ProStart centrifugal clutch system allows easy starting and disengagement 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.

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.





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.



Medium Duty

GrindLazer

270 (Patent Pending)

DESCRIPTION PART #
GrindLazer 270 (Bare) 571002

GrindLazer 270, 8 in Cut 24P725 12 Point Beam, Steel Complete 174 Cutters, 156 Spacers

GrindLazer 270, 8 in Cut, 571018 8 Point Flail Complete, 114 Cutters, 186 Spacers

GrindLazer 270, 8 in Cut 24P722 8 Point FineFinish Complete 144 Cutters, 138 Spacers

GrindLazer 270, 8 in Cut, 24P718 8 Point FullCut Complete 108 Cutters, 210 Spacers

GrindLazer 270, 8 in Cut, 571021 6 Point Miller Complete, 42 Cutters, 132 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

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 fatique.





TriBelt Drive System

- 3-cog belt design optimizes power transfer and maximum load handling
- Eliminates costly downtime

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



EasyGlide Wheel Mount System

- Front mounted caster along with dual rear pneumatic air-filled tires makes handling safe and as easy to maneuver as a LineLazer
- ► Pneumatic air-filled tires helps eliminate vibration

Fat Track Front Swivel Wheel

- Proven front caster wheel system makes turning fast and easy
- Maneuver curves better
- ► No need to "muscle" it while moving



Optional LineDriver

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



DialDown Depth Control System

- "Forward Cut" precise cutting depth with multiple position depth control
- Simple and easy to "dialdown" to optimum depth

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

Vibration Reduction Technology

The **GrindLazer 390** is the contractor choice

for all-around scarifying jobs including

- 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

InstaCut Technology

- Only unit to offer "hands-on" engagement of the cutting deck system for up or down position
- Provides ultimate flexibility for removal and inlay
- No-tool system
- ► Allows deck to "float" when on uneven surfaces

Heavy-Duty

GrindLazer

390

(Patent Pending)

DESCRIPTIONGrindLazer 390 (Bare)

GrindLazer 390, 10 in Cut 24P726 12 Point Beam, Steel Complete 204 Cutters, 114 Spacers

PART #

571003

24P723

571022

10 (25)

Forward

GrindLazer 390, 10 in Cut, 8 Point Flail Complete, 138 Cutters, 150 Spacers

GrindLazer 390, 10 in Cut 8 Point FineFinish Complete 174 Cutters, 90 Spacers

GrindLazer 390, 10 in Cut, 24P720 8 Point FullCut Complete 138 Cutters, 162 Spacers

GrindLazer 390, 10 in Cut 6 Point Miller Complete, 54 Cutters, 66 Spacers

SPECIFICATIONS

MAXIMUM CUT
WIDTH IN (CM):
CUT DIRECTION:
REMOVAL RATE (WALK):

REMOVAL RATE (WALK): 800 sq ft/hr
REMOVAL RATE (RIDE): 1700 sq ft/hr
HONDA ENGINE CC (HP): 390 (13.0)
WEIGHT LB (KG): 310 (140)

PROSTART SYSTEM:
AIR CLEANER:

310 (140) Heavy-Duty Cyclone



Extreme Duty

GrindLazer

(Patent Pending)

DESCRIPTION PART # GrindLazer 630 (Bare) 571260 GrindLazer 630, 10 in Cut 571261 12 Point Beam, Steel Complete 204 Cutters, 114 Spacers

GrindLazer 630, 10 in Cut, 571262 8 Point Flail Complete, 138 Cutters, 150 Spacers

GrindLazer 630, 10 in Cut 571263 **8 Point FineFinish Complete** 174 Cutters, 90 Spacers

GrindLazer 630, 10 in Cut, 571264 8 Point FullCut Complete 138 Cutters, 162 Spacers

GrindLazer 630, 10 in Cut, 571265 6 Point Miller Complete, 54 Cutters, 66 Spacers

GrindLazer 630, 5 in Cut, 571267 **5 Point Diamond Complete** 19 Blades, 42 Spacers

GrindLazer 630, 10 in Cut, 571266 5 Point Diamond Complete, 38 Blades, 41 Spacers

SPECIFICATIONS

MAXIMUM CUT WIDTH IN (CM):

CUT DIRECTION:

10 (25) Reverse/ "Up-Cut"

Donaldson

Heavy-Duty

REMOVAL RATE (RIDE): 2100 sq ft/hr

AIR FILTER:

630 (21.0) **ENGINE CC (HP): WEIGHT LB (KG):** 340 (154) PROSTART: **Extreme Duty**

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**



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!

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

InstaCut Technology

- Only unit to offer "hands-on" engagement of the cutting deck system for up or down position
- Provides ultimate flexibility for removal and inlay
- No-tool system
- Allows deck to "float" when on uneven surfaces

Ease-Z-Steer Handle Bar System

- Makes turning and handling as simple as a LineLazer
- ► Fully adjustable handles for all size users





Why Walk When You Can Ride?

Graco offers two high performance **LineDriver** attachments to connect to your LineLazer striper to double your striping productivity.

The LineDriver and LineDriver HD attachments provide the most innovative, user-friendly ride-on systems for the professional striping contractor.



Exclusive FlexBeam™ Break-A-Way Light System

- ► Fully adjustable for all types of low light
- 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 cooler
- ► Patent No. 6883633

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

POWERED by HONDA



Ride-On System

LineDriver

LINEDRIVER

SPECIFICATIONS OPERATING SPEED:

REVERSE

FUEL CAPACITY GAL (L): HONDA GX

ENGINE CC (HP): WEIGHT LBS (KG): 0.95 (3.6)

Up to 10 MPH

(16 KM/H)

6 MPH

(10 KM/H)

0.95 (3.6)

200 (6.5)

(10 KM/H)

262004

Up to 10 MPH

160 (5.5) 265 (120)

LineDriver HD

DESCRIPTIONLINEDRIVER HD

SPECIFICATIONS OPERATING SPEED:

REVERSE

FUEL CAPACITY (LTR):

HONDA GX ENGINE CC (HP):

STARTING SYSTEM: **ProStart WEIGHT LBS (KG):** 275 (125)

Patented Propel System



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Diamond



Accessories

CUTTERS

24P818 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 (6 pack)

> ▶ High grade tungsten carbide cutter that removes thick film coatings, thermoplastics. epoxies and tape fast.

DynaCut[™] Diamond Blade – 5 Point (single blade) 24E289

▶ 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.

Case Hardened Steel Drum Replacement – 6 Shaft Drum

Diamond Drum Replacement - Drum Only

TIRES

114549 Front Pneumatic Air Filled Tire

Front wheel and rim.

Rear Pneumatic Air Filled Tire 111020

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.

24E290 **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.

Front Wheel Swivel Caster Cable Kit 24E294

24E295 InstaCut Engagement Cable Kit

24E296 **Throttle Control Cable Kit**

Cutter Assemblies

2-Point Beam: Steel Cutter	Part	Description	Cut Width	Cutters	Spacers	Rods	End Plates
	24P818	Replacement 12pt Beam, Steel Cutters (25 pack)		25			
	24P714	Completely assembled drum for smooth finishes	6 in / 15.25 cm	126	222	6	2
	24P715	Completely assembled drum for smooth finishes	8 in / 20.5 cm	174	156	6	2
= "	24P716	Completely assembled drum for smooth finishes	10 in / 25.5 cm	204	114	6	2

See Repair manual for additional Cutter Stacking Recommendations.

	Part	Description	Cut Width	Cutters	Spacers	Rods	End Plates
itter	24D612	Replacement 8pt Flail, Tungsten Carbide Cutters (20 pack)		20			
ail: le Cu	24D612 Replacement 8pt Flail, Tungsten Carbide Cutters (20 pack) 24D182 Completely assembled drum for General Purpose 24D180 Completely assembled drum for General Purpose 24B957 Completely assembled drum for General Purpose		6 in / 15.25 cm	84	234	6	2
r Fig			8 in / 20.5 cm	114	186	6	2
Poin n Ca			10 in / 25.5 cm	138	150	6	2
8- yste	24E854	Completely assembled drum for Fine Finish	6 in / 15.25 cm	108	198	6	2
8-Pc Tungsten	24E855	Completely assembled drum for Fine Finish	8 in / 20.5 cm	144	138	6	2
	24E856	Completely assembled drum for Fine Finish	10 in / 25.5 cm	174	90	6	2

See Repair manual for additional Cutter Stacking Recommendations

a)	Part	Description	Cut Width	Cutters	Spacers	Rods	End Plates
FullCut: Carbide ter	24F213	Replacement 8pt FullCut, Tungsten Carbide Cutters (20 pack)		20			
교트필	24F184	Completely assembled drum for Ultra Fine Finish	6 in / 15.25 cm	84	258	6	2
8-Point Tungste Cu	24F185	Completely assembled drum for Ultra Fine Finish	8 in / 20.5 cm	108	210	6	2
∞	24F186	Completely assembled drum for Ultra Fine Finish	10 in / 25.5 cm	138	162	6	2

See Repair manual for additional Cutter Stacking Recommendations.

an an	Part	Description	Cut Width	Cutters	Spacers	Rods	End Plates
Miller: Carbide ter	24D613	Replacement 6pt Miller, Tungsten Carbide Cutters (6 pack)		6			
nt N en C utte	24E214	Completely assembled drum with cutters	6 in / 15.25 cm	30	204	6	2
-Poi ngst C	24D585	Completely assembled drum with cutters	8 in / 20.5 cm	42	132	6	2
-9 Tun	24D183	Completely assembled drum with cutters	10 in / 25.5 cm	54	66	6	2

See Repair manual for additional Cutter Stacking Recommendations.

es	Part	Description	Cut Width	Blades	1/8 in End Spacers	1/4 in End Spacers	Square Key
Blades	24E289	Replacement Diamond Blade	1/4 in / 6.35 cm	1			
Diamond	24B965	Completely assembled drum for pavement grooving/inlay	5 in / 12.75 cm	19	21	21	2
Dian	24D583	Completely assembled drum for pavement grooving/inlay	10 in / 25.5 cm	38	39	2	2

See Repair manual for additional Cutter Stacking Recommendations

	Part	Description	Application
55	24D610	Completely assembled Drum without cutters and spacers	For use with all Tungsten Carbide Cutters
ē	24D979	Replacement Drum Rods	For use with all Tungsten Carbide Cutters (6 pack)
	24D980	Replacement Drum End plates	For use with all Tungsten Carbide Cutters (2 pack)
Components	24D981	Replacement Steel Spacers	For use with all Tungsten Carbide Cutters (20 pack)
	16A259	Threaded End Cap	For use with all Diamond Blade Cutters
E	16A257	1/4 in Spacer	For use with all Diamond Blade Cutters
Drum	16A258	1/8 in Spacer	For use with all Diamond Blade Cutters
	123252	Square Key	For use with all Diamond Blade Cutters
	24D982	Assembled Diamond Blade Drum without blades and spacers	For use with all Diamond Blade Cutters



All purpose removal of paint, and coatings from floors. Also used for grease, dirt and



All purpose removal of paint, epoxy, and thermoplastic markings, bump-smoothing and anti-slip grooving



All purpose removal of paint, epoxy, thermoplastic markings, bump-smoothing, anti-slip grooving, and inlay applications



Specifically used for thermoplastic, tape



Diamond Blade

Application:

Specifically used to inlay and groove concrete and asphalt pavemen

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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.

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.

Nobody Else Builds Scarifiers Like This.

GrindLazer Specifications



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



Unit Model	LineDriver	LineDriver HD
Part Number	262004	262005
Operating Speed: Forward mph (km/h) Reverse mph (km/h)	to 10 (16) to 6 (10)	to 10 (16) to 6 (10)
Engine Size cc (hp)	Honda 160 (5.5)	Honda 200 (6.5)
Weight lb (kg)	265 (120)	275 (125)
Fuel Capacity gal (ltrs)	.95 (3.6)	.95 (3.6)
Engine Starting System	Manual Pull	ProStart

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ABOUT GRACO

PROVEN QUALITY. LEADING TECHNOLOGY.

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.

GRACO LOCATIONS

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Graco Inc. is registered to I.S. EN ISO 9001



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