

# **ThermoLazer®**

**Thermoplastic Striping Systems** 



### There is no other Thermoplastic Striping System like a Graco ThermoLazer.

Quality. Performance. Durability. Productivity.

Graco changed the thermoplastic striping world with its innovative ThermoLazer® Striping System. But sometimes good isn't good enough. We listened and learned what thermoplastic striping contractors really wanted: a fast, safe way to melt thermoplastic materials without the high cost of support systems such as premelt kettle trucks or trailers.

The Result: the ThermoLazer ProMelt System. Now it's possible to melt 300 lbs of thermoplastic material (six 50-lb bags) in less than one hour!

If your thermoplastic striping job needs are smaller, we've built the perfect unit for you—the all new portable ThermoLazer 200 $\tau$ c.

Striping contractors can now achieve more production with a safer, more affordable, and easier to use thermoplastic system—only from Graco.



What is the G4 Difference? Simply put, it's Graco's commitment to provide you with the very best thermoplastic striping systems, backed by a solid reputation for proven quality, maximum performance, excellent warranty coverage and unmatched on-the-job productivity. Graco Thermoplastic Striping 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.

# **PROVENQUALITY**

100% factory-tested and field-proven design, coupled with cutting-edge technology, keep Graco Thermoplastic Striping Systems performing on the job for years.

## **MAXIMUM PERFORMANCE**

Higher output with superior control ensures the highest quality finish for every job.

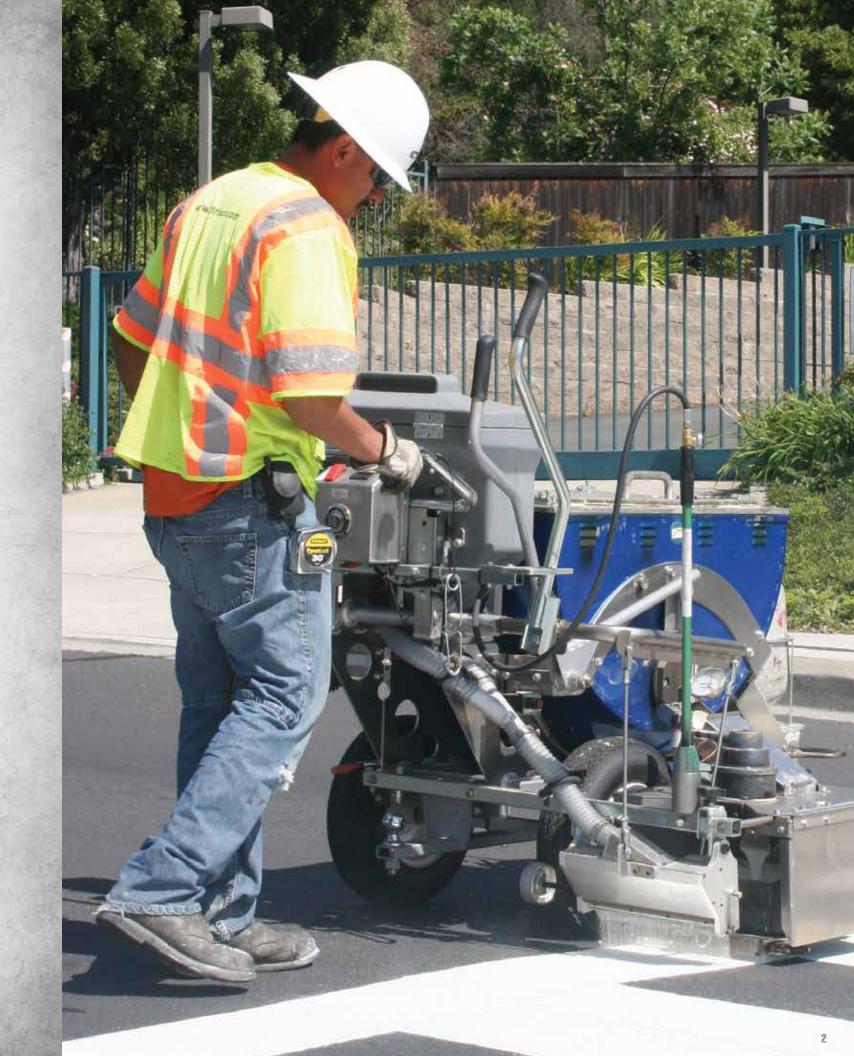
# INDUSTRY-LEADINGWARRANTY

Every Graco thermoplastic striping system is backed by our full warranty coverage and more than 85 years of proven commitment to the professional contractor.

### **UNMATCHED PRODUCTIVITY**

Superior design and innovative technology means you'll be getting the highest productivity in a thermoplastic striping system. We stand by our products and don't settle for less than the best. You'll see for yourself once you've experienced a ThermoLazer System.

For patent information see www.graco.com/patents.





### The Right Solutions for all your Thermoplastic Striping Applications

Graco introduces the ThermoLazer 200Tc, 300Tc and ThermoLazer ProMelt Thermoplastic Line Striping Systems as your **Total Job Solutions** for all of your thermoplastic line striping applications.

Every ThermoLazer System built is made to withstand the harshest environments and has only the highest quality components ensuring you years of productive, profitable use. With industry first features like our EasyGlide™ Wheel Mount System you'll think you are using one of our industry-leading LineLazer® Systems!

Graco makes a thermoplastic striping system ideal for just about any job, and this guide will help you determine which ThermoLazer unit is right for you. When deciding what to purchase, consider the type of work you'll be doing and the amount of investment you are going to need to do so.

The ThermoLazer 300™ unit is your solution for adding to your existing handliner thermoplastic business where a larger capacity (300 lb) LineDriver® attachable unit is needed to supplement and grow your business. The smaller, more portable ThermoLazer 200τc (200 lb) is ideal for striping contractors who already have premelt kettle systems.

The ThermoLazer ProMelt unit is your solution for first-time stripers wanting to get into the highly profitable thermoplastic marking business, as it lets you avoid the additional costs of adding a premelt kettle truck or trailer, thus saving you time and labor, resulting in more money in your pocket.

No matter what thermoplastic line striping application you face, Graco has your Total Pavement Solution.

# **Solutions Guide** Thermoplastic Striping

Model(s):	ThermoLazer 200τc System ThermoLazer 300τc System	ThermoLazer ProMeit System	
Project Size:	Small Medium* Large*	Small Medium Large	
User Profile:	Existing thermoplastic users who use PreMelt Systems for all jobs	Existing thermoplastic users who do "touch up" and intersections without need for PreMelt System     New users who want to do thermoplastic striping without added cost of PreMelt Systems	
Required Man Power:	Support System Required— premelt system and crew	One Man Operation— no premelter required	
Melt Time for 300 lb:	Up to 4.5 hours without premelter support system	Less than 1 hour	
Typical Applications:	Restripe jobs Small intersections Stencil jobs Roadway stripes *If used with PreMelt System only.	Restripe jobs Parking lots All intersections Stencil jobs Bike paths Roadway stripes	

# **Typical Applications**



No job is too big or small for the ThermoLazer family of stripers.







**INTERSECTIONS** 

**PARKING LOTS** 

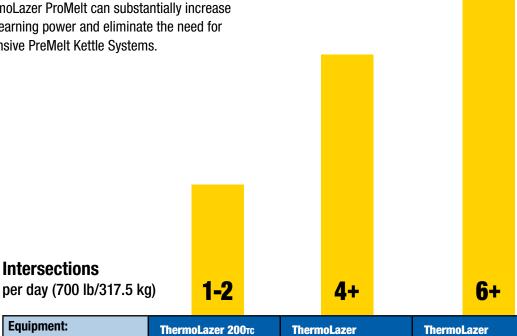
**ROADWAYS** 

# **Productivity Comparison**

**ThermoLazer** System Advantage

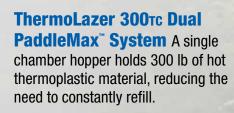
ThermoLazer ProMelt can substantially increase your earning power and eliminate the need for expensive PreMelt Kettle Systems.

Intersections



Equipment:	ThermoLazer 200τc	ThermoLazer	ThermoLazer
	ThermoLazer 300τc	ProMeIt System	200τc/300τc + PreMelters
PreMelter Used:	None	None	Yes

#### **FEATURES FOUND "ONLY ON A GRACO" THERMOLAZER**



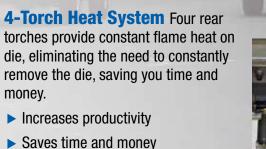
▶ Dual paddles make mixing materials easy

**ThermoLazer ProMelt** QuadMelt™ System Four on-board chambers can melt 300 lbs (136 kg) of material in less than 1 hour, significantly increasing your daily productivity.

- ► More surface area to quickly melt thermoplastic
- ▶ 100,000 BTUs means faster melt time and increased productivity







Standard on ProMelt System

money.

#### **Fat Track™ Front Swivel Wheel**

Graco's Fat Track Front Wheel System allows for maneuverability and ease of use for striping curves, arrows, and other hard-to-stripe jobs.

- ► Easier "up to the curb" parking lot
- ► Tapered locking pin design for years of dependable operation
- ► ThermoLazer 300Tc and ProMelt Systems



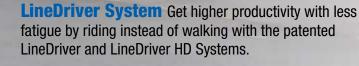


- Adjustable handlebar for users of all sizes
- Makes turning and handling as simple as a LineLazer
- ► ThermoLazer 300Tc and ProMelt Systems

**EasyGlide** System Dual rear wheels and a single front wheel make the ThermoLazer units easier to use and almost effortless to push or pull.

- Pneumatic tires for ease of handling
- As safe and easy to maneuver as a LineLazer
- ► ThermoLazer 300Tc and ProMelt Systems





- ▶ The most user-friendly ride-on systems in the striping industry
- ▶ Patented dual foot pedal design for forward and reverse operation
- ► Compatible with the ThermoLazer 300Tc and ProMelt Systems

SmartDie<sup>™</sup> II System Heavy-duty hardened steel construction with no springs allows the die to stay on the unit, eliminating the hassle of constant removal and cleaning.

- ▶ Unique design "floats" with the surface, putting the thermoplastic where you want it
- Use with or without heat so that you can optimize your striping in all weather conditions
- ► Standard on ThermoLazer 300Tc and ProMelt Systems





## **ThermoLazer**

# 200TC System

(Patent Pending)

DESCRIPTION PART #
THERMOLAZER 200TC (Includes 4-inch FlexDie)

SPECIFICATIONS
WEIGHT (UNIT ONLY): 260 LB
MATERIAL CAPACITY: 200 LB
BEAD HOPPER CAPACITY: 40 LB
STANDARD BEAD

12.5 IN

DISPENSING WIDTH:
OPTIONAL BEAD
DISPENSING WIDTH:

DISPENSING WIDTH: 8.5 IN
TEMPERATURE: UP TO 450°

MAIN BURNER BTUS: 30,000
PROPANE TANK SIZE: 20 LB

The FlexDie is built with the same precision and functionality as its big brother, the SmartDie II. Solid steel construction, built-in die adjustment and direct flames will give you great lines every time.

COMPLETE FLEXDIE SYSTEM # PART # DESCRIPTION 16Y661 2 in (5 cm) 17A333 16Y662 3 in (8 cm) 24U282 16Y320 4 in (10 cm) 17A334 16Y663 5 in (12 cm) 17A335 16Y190 6 in (15 cm) 17A336 16Y664 7 in (18 cm) 17A337 16Y326 8 in (20 cm) 17A338 16Y665 9 in (22.5 cm) 17A339 16Y332 10 in (25 cm) 17A340 16Y207 12 in (30 cm)  $3 \text{ in} \times 3 \text{ in} \times 3 \text{ in}$ 16Y338 (8 cm × 8 cm × 8 cm) 16Y352 4 in × 3 in × 4 in 17A342 (10 cm × 8 cm × 10 cm) 17A343 16Y666 4 in × 2 in × 4 in (10 cm × 5 cm × 10 cm) 17A344 16Y363 4 in × 4 in × 4 in

\*COMPLETE SYSTEM INCLUDES: (1) ThermoLazer 2007c (1) FlexDie

(10 cm × 10 cm × 10 cm)



#### **Features**

#### **FlexDie**°

► Delivers excellent line quality with exclusive deep-die, all steel construction and a no-tools change out design

#### **200 lb Material Kettle**

 Easy-to-fill cylindrical kettle allows for precise heating of thermoplastic material, and its no-tool change-out design lets you switch colors fast

#### **40 lb Bead Hopper**

Perfectly matched to the material kettle with a superior flow design

#### **Direct Heat System**

 Direct flames and an on-board hand torch deliver maximum heat, resulting in maximum material flow

#### **Tri-Wheel System**

Dual solid front and single solid rear wheels provide smooth, quiet operation

#### **Adjustable Operator Handle**

► Handle easily adjusts to multiple heights

#### **Adjustable Front Pointer**

 Easily adjusts for all size dies for following all marks and creating straight lines

#### **Bead Dispenser**

▶ 8.5 or 12.5-in dispenser, and 1-inch increments allow you to "dial-in" the bead drop rate



Rear Wheel System with release and brake.



FlexDie—Steel die built to last!



Excellent line quality.

# ThermoLazer 300TC System

(Patent Pending)

Graco's ThermoLazer 300τc is one of the most productive and easy-to-use thermoplastic handliners in the industry. The system's 300 lb material kettle allows for more striping and less time spent refilling with material, while its EasyGlide Wheel Mount System makes this unit as easy to maneuver as a LineLazer.

DESCRIPTION PART #
THERMOLAZER 300TC 258699
(Includes 4-inch SmartDie II)

300 LB **HOPPER SIZE:** SINGLE **HOPPER CHAMBER: INTERNAL MIXING** DUAL. PADDLES: **PADDLEMAX** HOPPER LID SYSTEM: FLAT. DUAL **MELT TIME (300 LBS:** 4 - 4.5 HRS **MAIN BURNERS:** 30.000 BTU TEMPERATURE LIMIT CONTROL: N/A **DIES AVAILABLE: SMARTDIE II EXTERNAL 4-TORCH** 

**DIE HEAT SYSTEM:** 

**OPTIONAL** 

**SPECIFICATIONS** 



#### **Features**

#### **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 striper

#### **Tri-Flame Die Heat System**

► Reliable, safe system to keep die ready to use

#### **Bead Dispense System**

► No-tool system allows fast and easy line width changes

#### **Split Bead Hopper System**

- ► Split hopper holds over 90 lb of beads
- ► Simple conversion to double drop bead system with optional kit

#### **FatTrack 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 System**

LineDriver and LineDriver HD Systems adaptable for the ThermoLazer 300 Tc System.

- Get higher productivity and straighter lines with less fatigue
- ► Move between jobs without having to push
- Dual Pedal System—multiple positions allow for simple forward and reverse (Patented)



Tri-Flame Die Heat System



# **ThermoLazer** System

(Patent Pending)

Graco's breakthrough technology allows you to melt 300 lbs of thermoplastic on board in less than an hour. It's like having a premelter on wheels without the cost. Finally, a solution for melting and applying thermoplastic without the hassle and cost of premelters.

**DESCRIPTION** PART# THERMOLAZER 24H623 **PROMELT SYSTEM SPECIFICATIONS** 

**HOPPER SIZE:** 300 LB **HOPPER CHAMBER: QUADMELT** 

PADDLES: **HOPPER LID SYSTEM:** 

**MELT TIME:** 

**LESS THAN** 

OUADMIX"

RAISED, SINGLE

**MAIN BURNERS:** 100,000 BTU

**TEMPERATURE** LIMIT CONTROL

475° SWITCH **SMARTDIE II DIES AVAILABLE:** 

**EXTERNAL 4-TORCH DIE HEAT SYSTEM:** 

STANDARD

\*COMPLETE SMARTDIE II DESCRIPTION SYSTEM # PART # 17A173 2 in (5 cm) 24R761 3 in (8 cm) 24H623 4 in (10 cm) 24H432 24R762 5 in (12 cm) 24R763 24H427 6 in (15 cm) 24R764 24H433 7 in (18 cm) 24R765 24H428 8 in (20 cm) 24R766 24H434 9 in (22.5 cm) 24R767 24H429 10 in (25 cm) 12 in (30 cm) 24H430 24R768 17B188 17A174 16 in (41 cm) 24R769  $3 \text{ in} \times 3 \text{ in} \times 3 \text{ in}$  $(8 \text{ cm} \times 8 \text{ cm} \times 8 \text{ cm})$ 24R770  $4 \text{ in} \times 3 \text{ in} \times 4 \text{ in}$ (10 cm × 8 cm × 10 cm) 4 in × 4 in × 4 in  $(10 \text{ cm} \times 10 \text{ cm} \times 10 \text{ cm})$ 

#### \*COMPLETE SYSTEM INCLUDES:

 $4 \text{ in} \times 6 \text{ in} \times 4 \text{ in}$ 

(10 cm × 15 cm × 10 cm)

- (1) SmartDie II



#### **Features**

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

- ► Makes turning and handling as simple as a LineLazer System
- ► Adjustable handle bar for users of all sizes

#### **ProMelt Technology**

- ▶ 4 Chamber Melting System—More surface area to melt thermoplastic fast
- ▶ 100,000 BTUs—Faster melt time means more jobs get done everyday

- ▶ Fast change-out system—Hardened steel dies with mil thickness adjustment system built in
- ▶ Use with or without heat—Allows you to optimize your striping in all weather conditions
- ▶ "Floats" with the surface—Puts the thermoplastic where you want it for superior line quality
- ► External Heat System—4-torch die heat system keeps it hot

#### **Ergonomic Design**

► Easier to use and almost effortless to push/pull, just like the proven LineLazer design

#### **Optional LineDriver System**

LineDriver and LineDriver HD Systems adaptable for the ThermoLazer 300 TC System.

- ► Get higher productivity and straighter lines with less fatique
- Move between jobs without having to push
- ► Dual Pedal System—Multiple positions allow for simple forward and reverse (Patent 6,883,633)



# System\*

(Patent Pending)

PART # DESCRIPTION 17A173 2 in (6 cm) 24H431 3 in (8 cm) 24H426 4 in (10 cm) 24H432 5 in (12 cm) 6 in (15 cm) 24H433 7 in (18 cm) 24H428 8 in (20 cm) 24H434 9 in (22.5 cm) 24H429 10 in (25 cm) 24H430 12 in (30 cm) 17A174 16 in (40 cm) 24H437 3 in x 3 in x 3 in (8 cm x 8 cm x 8 cm) 24H435 4 in x 3 in x 4 in (10 cm x 8 cm x 10 cm)

24H436

24J785

(10 cm x 10 cm x 10 cm) 4 in x 6 in x 4 in (10 cm x 15 cm x 10 cm)

\*SmartDie II can only be used on ThermoLazer 300τc and

4 in x 4 in x 4 in



The SmartDie II System is the industry standard in screed box technology—only from Graco. It's innovative design allows users to use it with or without direct heat allowing more flexibility in all weather conditions. The 4-torch die heat system (standard on ThermoLazer ProMelt) allows contractors to optimize and extend their thermoplastic striping opportunities, especially in cooler climates.

The unique "floating" die design allows the die to float with the constantly changing surfaces allowing the best possible line to be put down—every time. The no-tool die change out system makes it fast and simple to change out your dies when switching between different width lines commonly found in intersection jobs.

No springs to bog you down by making you inspect and change out prior to laying down that stripe. No springs means saving time, money and hassle.

These hardened steel dies with an innovative, built-in mil adjustment system are built to last—exactly what you've come to expect from Graco.





12 in SmartDie II



4 in x 4 in x 4 in SmartDie II



(1) ThermoLazer ProMelt

24R772

# **LINEDRIVERS/ACCESSORIES**

# LineDriver/ LineDriver

**DESCRIPTION** 

262004 **SPECIFICATIONS OPERATING SPEED:** 

**UP TO 10 MPH** (16 KM/H) REVERSE 6 MPH (10 KM/H)

PART #

FUEL CAPACITY GAL (L): 0.95 (3.6)

**HONDA GX ENGINE CC (HP):** STARTING SYSTEM:

160 (5.5) **MANUAL PULL** 265 (120)

**DESCRIPTION LINEDRIVER HD** 

**WEIGHT LB (KG):** 

**SPECIFICATIONS OPERATING SPEED:** 

UP TO 10 MPH (16 KM/H) REVERSE 6 MPH (10 KM/H)

PART #

262005

FUEL CAPACITY GAL (L): 0.95 (3.6)

**ENGINE CC (HP):** STARTING SYSTEM

WEIGHT LB (KG):

200 (6.5) PROSTART SYSTEM 275 (125)

Why walk when you can ride? Graco offers two high performance LineDriver Systems to connect to your ThermoLazer unit to help improve your thermoplastic applications. The LineDriver and LineDriver HD attachments provide the most innovative, userfriendly ride-on systems for the professional thermoplastic contractor in the industry.



#### **Features**

#### **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

#### **Exclusive ProStart Engine Starting System**

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

#### **Honda<sup>®</sup> 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







(Patent 6,883,633)

# Accessories

#### REAR BURNER KIT (THERMOLAZER 300TC SYSTEM ONLY)

Parts to upgrade ThermoLazer System (infrared die burner models only) with 4-torch heat on dies.

#### **REAR BURNER KIT (4-TORCH)**

24H619 Replacement 4-torch heat kit for ThermoLazer 300τc or ProMelt units.

#### **SCRAPER KIT**

Long-handles scraper for cleaning ProMelt kettle. 24J179

#### **SCRAPER BLADES**

5-pack of replacement scraper blades. 24J356

#### **DOUBLE BEAD BOX KIT**

Parts to upgrade ThermoLazer 300Tc or ThermoLazer ProMelt 24C528 System to double drop bead system.

#### HITCH KIT

245321 Allows both LineDriver or LineDriver HD attachments to be connected to ThermoLazer 300™ or ThermoLazer ProMelt.

Wide body bead dispenser with 1-inch wide "gates" allows you to "dial in" precise bead placement. Needed for dies greater than 12 inches.







### **THERMOLAZER SPECIFICATIONS**







UNIT MODEL:	THERMOLAZER 200tc SYSTEM	THERMOLAZER 300TC SYSTEM	THERMOLAZER PROMELT SYSTEM
PART NUMBER (Includes 4 in Die)	24U282*	258699	24H623*
BEAD HOPPER CAPACITY LB (KG)	40 (18)	90 (40)	90 (40)
INTERNAL MIXING PADDLES	Vertical	Dual PaddleMax System	QuadMix System
HOPPER LID SYSTEM	Flat, Dual Lid	Flat, Dual Lid	Raised, Single Lid
MATERIAL CAPACITY LB (KG) / CHAMBER	200 (91) / Single	300 (136) / Single	300 (136) / QuadMelt
DIE HEAT SYSTEM	Bi-Flame	Tri-Flame	Tri-Flame
MAIN BURNER(S)	30,000 BTU Single	30,000 BTU Dual	100,000 BTU Dual
EXTERNAL 4 TORCH DIE HEAT SYSTEM	N/A	Optional	Standard
DIES AVAILABLE	FlexDie	SmartDie II	SmartDie II
DIE SIZES AVAILABLE (INCHES)	2, 3, 4, 5, 6, 7, 8, 9, 10, 12 3 x 3 x 3   4 x 3 x 4   4 x 2 x 4   4 x 4 x 4	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16 3 x 3 x 3   4 x 3 x 4   4 x 4 x 4   4 x 6 x 4	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16 3 x 3 x 3   4 x 3 x 4   4 x 4 x 4   4 x 6 x 4
FUEL SOURCE	LP Gas <i>(LP tank NOT included)</i>	LP Gas (LP tank NOT included)	LP Gas (LP tank NOT included)
WEIGHT LB (KG)	260 (118)	295 (133)	345 (157)
LINEDRIVER / LINEDRIVER HD	N/A	Optional	Optional
APPLICATIONS	<ul><li>Intersections/Roadways</li><li>Parking Lots/Stencils</li><li>Bike/Walking Paths</li><li>Parking Garages</li><li>Highway Striping</li></ul>	<ul> <li>Intersections/Roadways</li> <li>Parking Lots/Stencils</li> <li>Bike/Walking Paths</li> <li>Parking Garages</li> <li>Highway Striping</li> </ul>	<ul> <li>Intersections/Roadways</li> <li>Parking Lots/Stencils</li> <li>Bike/Walking Paths</li> <li>Parking Garages</li> <li>Highway Striping</li> </ul>
MELT TIME FOR 300 LB THERMOPLASTIC	Up to 4.5 hours without PreMelt System	Up to 4.5 hours without PreMelt System	Less than 1 hour
TEMPERATURE LIMIT CONTROL	N/A	N/A	475° F Switch

<sup>\*</sup>For Additional Complete Units see pages 7 and 9.





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



#### **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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