

GL3000 SERIES GUIDANCE LASERS

The GL3000 Series Guidance Lasers use an ultra-high visibility green laser to establish visual line control

GL3000P
Remote Controlled Laser



GL3000PM
Manual Adjust Laser



- ✓ HIGHWAY PAINT STRIPING
- ✓ WATER BLASTER TRUCKS

- ✓ GUN CARRIAGE ALIGNMENT
- ✓ RUMBLE STRIP MACHINES
- ✓ GRINDERS
- ✓ PAVERS
- ✓ PROFILERS

For virtually any application requiring vehicle line control!

L LASERLINE MFG, INC.

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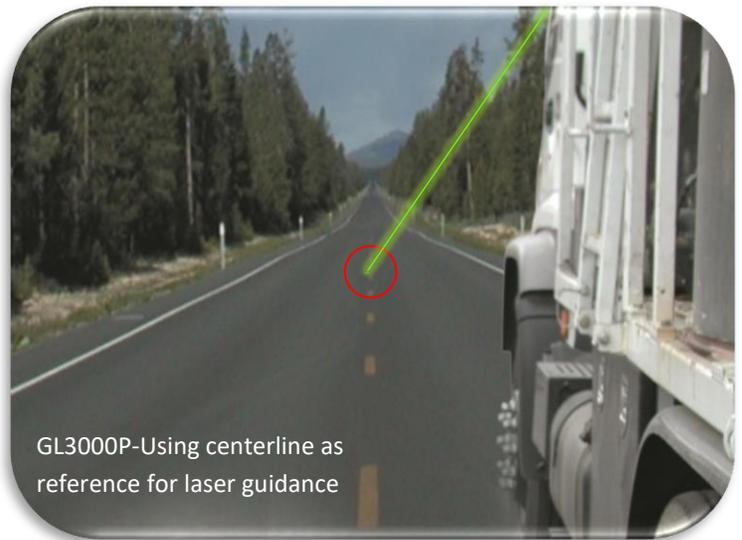
GL3000P AUTO REMOTE SYSTEM

The driver can adjust the laser spot to the desired reference point on the road surface using the remote control panel located in the cab of the vehicle. The laser spot is impacted directly on the road surface approx. 30 feet ahead, showing the driver-operator exactly where the vehicle is relative to “on line.” The laser spot is on the road ahead of the operator so that the reference is in the driving field of view instead of a T.V. screen or boom pointer.

GL3000P ADVANTAGES

It's more versatile, easier, faster and SAFER!

- ✓ *You are looking in your natural driving field of view at the reference point.*
- ✓ *You can reduce or eliminate pre-marking and the high cost associated with it.*
- ✓ *Eliminates using a boom and the problems associated with it such as bouncing on rough surfaces, safety and the mechanical size and constraint of the mechanism.*
- ✓ **SAFER!** *Paint up to intersections without the worry of injury or damage to people or other vehicles caused by a mechanical arm extending out in front of the truck.*
- ✓ *Eliminates having to drive looking at a T.V. screen instead of the road. Reduces or eliminates the problem of “white-out” in low sun conditions.*
- ✓ *Greatly increases the machines maneuverability. You can move your reference on the fly from the cab – aim the laser spot further out, closer in, left or right.*



GL3000P-Using centerline as reference for laser guidance



THE GL3000P PACKAGE INCLUDES:

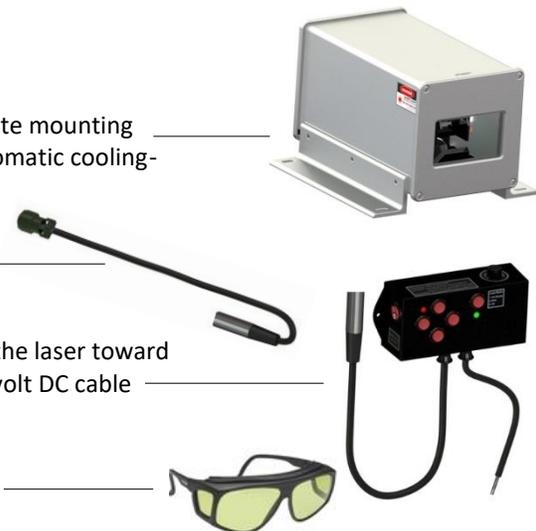
P/N 3000-0001 Main housing is waterproof, purged and dry nitrogen filled, contains optic plate mounting platform, microprocessor electronics, laser, laser mounting assembly, laser driver board, automatic cooling-heating system, X&Y positioning control mechanism, driver motors and optics.

P/N 3000-0008 Interconnect Control Cable: 25 foot waterproof mil spec in line connector mounted between the laser main housing and the control panel mounted in the cab.

P/N 3000-0006 Control Panel: Allows the operator to turn the unit on and off as well as aim the laser toward or away from the vehicle as well as left and right from inside the cab. Includes; 15 feet of 12 volt DC cable running from the control box for connection to 12 volt vehicle power.

P/N 3000-0435 Laser Enhancement Glasses: Cuts down on glare and enhances the visibility of the laser spot for daytime use.

P/N 3000-0080 Owner Operator's Manual (Not shown)



GL3000P SPECIFICATIONS

Laser: 532nm Class IIIa Green Laser

Power: 12 Volt DC Positive or Negative Ground

Power Draw: 4.00 Amps (Maximum Operating), 0.03 Amps (Sleep Mode)

Laser Housing Dimensions:

Height: 7"-1/8

Length: 11"-3/4

Housing Width: 6"-1/4

Base Width: 10"

**24 Month Warranty
Parts and Labor**

Cable length from laser housing to control box: 25'

12 Volt Power cable length from control box: 15'

Shipping Weight: 25 lbs.

Enclosure Rating: Waterproof IP68

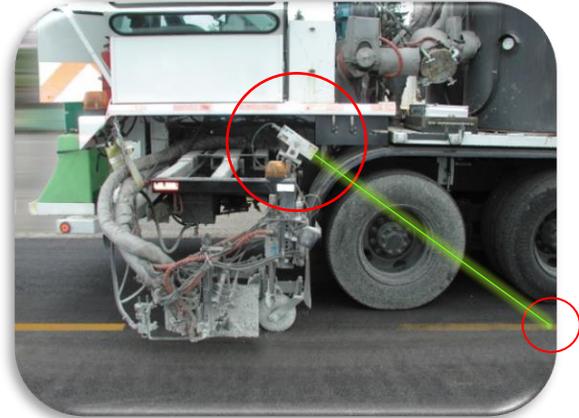
GL3000PM MANUAL SYSTEM

Gun Carriage Guidance – The GL3000PM laser is used to give the operator “heads up” time to move the gun carriage in and out for easy and precise alignment.

GL3000PM ADVANTAGES

It's more versatile, easier, faster and SAFER!

- ✓ Quick heads up, allows the operator to line up ahead of time while traveling through intersections.
- ✓ You are looking in your natural driving field of view at the reference point.
- ✓ You can reduce or eliminate pre-marking and the high cost associated with it.
- ✓ Eliminates using booms, chains and cameras.
- ✓ Greatly increases the machines maneuverability.
- ✓ Much less strain on the gun carriage operator. It reduces fatigue and increases skill load.



THE GL3000PM PACKAGE INCLUDES:

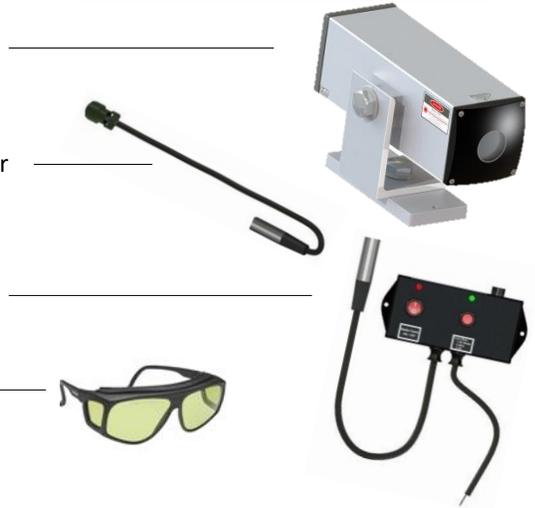
P/N 3001-0001-1 GL3000PM Main Housing: IP68 waterproof, purged and dry nitrogen filled. Contains optic plate mounting platform with microprocessor electronics, laser mounting assembly, laser driver board, automatic cooling-heating system and optics.

P/N 3000-0008 Interconnect Control Cable: 25 foot waterproof mil spec in line connector mounted between the laser main housing and the control panel mounted in the cab.

P/N 3001-0007 Control Panel: Allows the operator to turn the laser on, off, steady mode or blinking mode. Includes; 15 feet of 12 volt DC cable running from the control box for connection to 12 volt vehicle power.

P/N 3000-0435 Laser Enhancement Glasses: Cuts down on glare and enhances the visibility of the laser spot for daytime use.

P/N 3001-0080 Owner Operator's Manual (Not shown)



(Optional) GL3000PM-B PACKAGE

Same as the GL3000PM model minus the control panel and interconnect control cable. Features a momentary power button in the rear panel that allows you to turn the laser on, off, steady mode or blinking mode.



GL3000PM/PM-B SPECIFICATIONS

Laser: 532nm Class IIIa Green Laser
Power: 12 Volt DC Positive or Negative Ground
Power Draw: 4.00 Amps (Maximum Operating), 0.03 Amps (Sleep Mode)

Laser Housing w/ Base Dimensions:

Height: 5"-1/2
Length: 8"-3/4
Width: 4"-1/4

Cable length from laser housing to control box: 25'

12 Volt Power cable length from control box: 15'

Shipping Weight: 20 lbs.

Enclosure Rating: Waterproof IP68

24 Month Warranty
Parts and Labor

INTERNATIONAL EU/IEC Versions

GL3000P-E AUTO REMOTE SYSTEM

P/N 3000-0001-E Main housing is EU/IEC compliant featuring front cover redundant dual LED emissions indicator lights, waterproof, purged and dry nitrogen filled. Contains optic plate mounting platform, microprocessor electronics, laser mounting assembly, laser driver board, automatic cooling-heating system, X&Y positioning control mechanism, driver motors and optics.



P/N 3000-0008 Interconnect Control Cable: 7.62m waterproof mil spec in line connector mounted between the laser main housing and the control panel mounted in the cab.



P/N 3000-0006-E Control Panel: Allows the operator to turn the unit on and off as well as aim the laser toward or away from the vehicle as well as left and right from inside the cab. Includes; 4.57m of 12 Volt DC cable running from the control box for connection to vehicles 12 VDC power.



P/N 3000-0435 Laser Enhancement Glasses: Cuts down on glare and enhances the visibility of the laser spot for daytime use.



P/N 3000-0080-E Owner Operator's Manual (Not shown)

GL3000P-E SPECIFICATIONS

Laser: 532nm Class 3B Green Laser
Power: 12 Volt DC Positive or Negative Ground
Power Draw: 4.00 Amps (Maximum Operating), 0.03 Amps (Sleep Mode)

Laser Housing Dimensions:

Height: 18.08cm
Length: 29.8cm
Housing Width: 15.8cm
Base Width: 25.4cm

Cable length from laser housing to control box: 7.62m

12 Volt Power cable length from control box: 4.57m

Shipping Weight: 13.5kg

Enclosure Rating: Waterproof IP68

24 Month Warranty
Parts and Labor



GL3000PM-E MANUAL SYSTEM

P/N 3001-0001-E Main Housing is EU/IEC compliant featuring front cover redundant dual LED emissions indicator lights, IP68 waterproof, purged and dry nitrogen filled. Contains optic plate mounting platform with microprocessor electronics, laser mounting assembly, laser driver board, automatic cooling-heating system and optics.



P/N 3000-0008 Interconnect Control Cable: 7.62m waterproof mil spec in line connector mounted between the laser main housing and the control panel mounted in the cab.



P/N 3001-0007-E Control Panel: Allows the operator to turn the laser on, off, steady mode or blinking mode. Includes; 4.57m of 12 Volt DC cable running from the control box for connection to vehicles 12 VDC power.



P/N 3000-0435 Laser Enhancement Glasses: Cuts down on glare and enhances the visibility of the laser spot for daytime use.



P/N 3001-0080-E Owner Operator's Manual (Not shown)

GL3000PM-E SPECIFICATIONS

Laser: 532nm Class 3B Green Laser
Power: 12 Volt DC Positive or Negative Ground
Power Draw: 4.00 Amps (Maximum Operating), 0.03 Amps (Sleep Mode)

Laser Housing w/ Base Dimensions:

Height: 13.97cm
Length: 22.22cm
Width: 10.79cm

Cable length from laser housing to control box: 7.62m

12 Volt Power cable length from control box: 4.57m

Shipping Weight: 9.0kg

Enclosure Rating: Waterproof IP68

24 Month Warranty
Parts and Labor

