

# Level Best

LASER GRADING BOX

*On Grade... Automatically*



**3** YEAR WARRANTY  
on box construction

***On the Cutting Edge of Laser Grading Technology***



# "Fine-grade" made easy



***Cutting-edge technology and quality manufacturing make a difference***

Finish grade elevation to within .12 to .25 inches, depending on the laser system used.



***Field tested and proven by contractors in construction, recreation, turf and agricultural markets***

- Eliminates material overages, giving contractors greater accuracy in estimating
- More accurate and reliable than competitive systems



***Increase your grading accuracy with the easiest, most unique system on the market.***

# Why the Level Best works better than other methods

## Easy to Operate



The laser controls are easy to learn and use. As the operator grades, the system's receiver detects laser light from a rotating beacon and transmits a signal to the Level Best hydraulic controls. The hydraulic valve uses the signal from the receiver and automatically lowers or raises the grading box. Precise finish grade is attained when the "on grade" light remains illuminated. The finish grade elevation is consistently on-grade to plus or minus 1/8" or 1/4" depending on the laser system used.



Control Panel



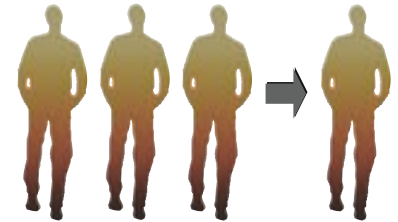
Receiver

## Unique Features

- **Durable Steel** - Constructed of 3/8" and 1/4" steel plate and heavy-wall steel tubing, the Level Best grading system is built to take daily abuse on a job site.
- **Rugged Casters with Wheel Hub and Tapered Roller Bearing Assemblies** - Large, heavy-duty casters withstand years of punishment. Heavy-duty wheel hub and bearing assemblies need only annual greasing, reducing maintenance time and costs.
- **Composite Bushings** - Epoxy-Fiberglass composite bushings in all pivot points. This eliminates the need for greasing. The inexpensive, replaceable bushings wear instead of your grading box.
- **Foam-Filled Tires** - This all but eliminates down time due to the repair of a tire.
- **Durable Cutting Edges** - Made of long wearing high-carbon steel, the main and side cutting edges can be reversed for twice the life, and replaced in a matter of minutes.
- **Powder-Coating** - Tough, long-lasting powder-coating ensures that a Level Best grading box will look great for years to come.

## Unique Advantage

Get great grading results without the need for costly motor-graders, dozers, or tractor-loader backhoes. The laser-controlled hydraulic system is also unique to the Level Best grading system. This hydraulic system utilizes proportional valve bodies for greater accuracy and reliability.



One worker can do what it used to take three people to do.

*"When we had to replace our finish grading attachment, **we switched brands**. With Level Best we are able to move more material quicker and have to make less passes to achieve grade. **Level Best is constructed with heavier material and less moving parts which reduces damage and maintenance.**"*

*- Paul Brandt,  
Concrete Enterprises, Oklahoma*

*"The Level Best has increased my production and profits substantially, and solved a significant problem of mine - finding good labor! **A crew of men can't do what this machine does in a day. It has literally made me a thousand dollars a day on projects!**"*

*- Wayne Bell,  
Wayne Bell Concrete Construction, Arkansas*



For easier operation, foam-filled tires are mounted on wheel hubs with heavy-duty, tapered, roller bearings.



Skid steer models feature a convex mirror for convenient monitoring of material in the grader box.



A custom designed hydraulic system gives Level Best its unique capability. The proportional hydraulics allow for faster and more accurate operation.



Designed and built for rugged applications, the bolt-on side and main cutting edges are adjustable and reversible. The cutting edges are constructed of abrasion resistant steel for low wear and long life.

# The details make the best choice clear... Level Best.

*There are lots of technologies and claims to consider. Value is sometimes hard to discern. When you look more closely, you can see the difference in quality of materials and manufacture. Designs that put you and the operator in control are engineered for real value. Take a closer look at Level Best.*

## Options

### • Draw Bar, 48"

The draw bar maximizes the distance between the tractor axle and the wheels of the Level Best box. It allows you to get to grade more quickly, because the grading box does not react to every bump and dip that your tractor encounters, thus keeping the grading box "on grade" longer. Attaches to your tractor using the draw bar hitch instead of the tractor's three-point hitch.

### • Adjustable Top Link

A top link between the draw bar and the grade box allows the operator to adjust the pitch of the box. Adjusting the pitch of the box helps to keep the end plates from digging into graded material, making a neater finish.

### • Adjustable Hitch

An adjustable hitch, on the front of the draw bar, accommodates the hitch heights of most tractors or trucks

### • Retrofits to Older Level Best Boxes

The draw bar option can be retrofitted to older Level Best boxes. Converting an older box to the draw bar option requires only one hour.



### • Rear Hinged Cutting Edge (Tractor Boxes Only)

Allows you to cut and grade in reverse. Bolts onto the rear end of the box.

### • "Bullet Bar" Scarifier (Tractor Boxes Only)

Allows you to break up existing compacted material to make it easier to grade. Bullet shaped carbide teeth rotate in their holders so they keep a sharp point while scarifying. Shanks are supported by the grading box's cutting edge for additional strength. Easily bolts into your grading box.



Model	Box Size	Box Capacity Front/Rear	Recommended Machine HP	Shipping Weight
<b>Para-Level Box (skid steer)</b>				
PL72	72"	11.5 / 7.0	42-60	1575 lbs.
PL84	84"	13.4 / 8.0	49-70	1630 lbs.
PL96	96"	15.3 / 9.0	56-80	1695 lbs.
<b>Tractor Box - compact</b>				
SC48	48"	4.1	15-25	345 lbs.
SC54	54"	4.6	15-25	365 lbs.
SC60	60"	5.1	18-30	395 lbs.
SC66	66"	5.6	20-35	410 lbs.
SC72	72"	6.1	20-35	425 lbs.
<b>Tractor Box - single</b>				
LBS6	72"	17.0	30-42	985 lbs.
LBS7	84"	19.9	35-49	1045 lbs.
LBS8	96"	22.8	40-56	1105 lbs.
<b>Tractor Box - double</b>				
LBD6	72"	17.0	30-42	1115 lbs.
LBD7	84"	19.9	35-49	1135 lbs.
LBD8	96"	22.8	40-56	1165 lbs.
<b>Tractor Box - super capacity</b>				
LBSE8	96"	37.5	70-90	1750 lbs.
LBSE9	108"	42.3	80-100	1835 lbs.
LBSE8-12	96"/144"	37.5/56.2	90-100	2445 lbs.

## Technical Data

- The auxiliary hydraulic system on the tractor or skid steer should have a flow rate of 5 - 20 gpm and cannot exceed 3000 psi
- Tractors require rear auxiliary hydraulic ports and are recommended to have four wheel drive
- Skid steers require auxiliary hydraulic ports mounted on the boom
- The Level Best Grading System is not designed for grubbing or rough grading, but for finish grading

# Level Best

LASER GRADING BOX

MANUFACTURED BY ATI CORPORATION

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## Para-Level Grading Box

**Fine Grade Made Easy** – Level Best introduces a laser grading box for skid steer loaders with superior performance and strength. The Para-Level laser grading box delivers innovative features which provide money-saving solutions for your business. Achieve flatter, more consistent grades while accelerating your fine-grading process...a win-win combination. Here's what makes the Para-Level laser grading box so successful:

**Push-Pull Design** – Two, opposed cutting edges allow you to grade front and back. Grade forwards, then reverse directions to grade backwards while keeping the same grade. Skid steer maneuverability is maximized with an attachment designed for optimal performance.

**Stable Platform** – How do you tame the bouncy, jerky movements of a skid steer loader when laser grading? The Para-Level laser grading box was designed to smooth out a skid steers' ride. The wheel frame of the Para-Level box is like a grader's, extending the wheelbase and allowing both skid steer axles to stay on the ground for stability and traction. An oscillating front axle helps to smooth uneven surfaces. The Para-Level box laser grades material faster, while holding tighter tolerances.



Model PL84 shown with Laser Alignment controls



Model PL72 shown with Topcon controls

**Unique Box Adjustment** – Parallel linkage adjusts the grading box, vertically, under the wheel frame for precise adjustment. 'Floating' the independent box under the stable wheel frame provides responsive results and exceptional performance.

**Tighter Tolerances** – Take control of material costs with a Para-Level laser grading box. Proportional hydraulics and laser controls allow tighter tolerances. Achieve tolerances of +/- 3 mm with normal ground speeds. Compare those numbers with what you are doing now. Better control over grade pays dividends.

**Durability** – Level Best is known for its durability. The need for a durable laser grading box is why Level Best was created. The Para-Level laser grading box continues this reputation with features like: six reversible cutting edges, replaceable bushings at wear points, cast wheel bearings, and a powder-coated finish.

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# On Grade...Automatically!



Model PL84 shown with Topcon controls

## How it works:

The Para-Level laser grading box is a fully-automatic laser grading attachment which requires no modifications to the skid steer loader. The self-contained laser-controlled grading box may be switched between multiple skid steer loaders without time-consuming and expensive modifications. This makes it a perfect solution for contractors with larger fleets and rental companies.

The Para-Level grading box is simple to operate despite its use of technology. The laser sensor is mounted on the box's mast pole to receive the laser beam from a tripod-mounted, laser beacon. The pole-mounted laser sensor determines the location of the laser beam and transmits the information to the control panel located on the frame of the grading box. The control panel reads the data and sends signals to the hydraulic valve mounted on the grading box. The valve directs the oil to the cylinder, adjusting the box according to the predetermined grade. This process takes place numerous times a second ensuring precise grade.

A remote switch is included with every Para-Level box. Two switches allow the operator to choose between automatic/manual modes and a manual override to raise or lower the box. This switch provides ultimate control for the operator.



Model PL72 shown with Apache controls

SPECIFICATIONS			
Model	PL72	PL84	PL96
Box Width	72"	84"	96"
Total Length	66"	66"	66"
Box Capacity: Front	11.5 ft. <sup>3</sup>	13.4 ft. <sup>3</sup>	15.3 ft. <sup>3</sup>
Rear	7.0 ft. <sup>3</sup>	8.0 ft. <sup>3</sup>	9.0 ft. <sup>3</sup>
Oscillating Front Axle	Yes	Yes	Yes
Laser Controls	Optional	Optional	Optional
Weight	1530 lbs.	1590 lbs.	1650 lbs.
<b>Optional Laser Controls for fully automatic operation:</b> Apache, Laser Alignment, Topcon & Trimble controls			



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