

Level Best

L A S E R G R A D I N G B O X



Replace the traditional three person grading crew with a single operator



Grade up to 50,000 square feet in a day:

- Easy to operate
- Saves labor
- Consistent level grading
- Tractor and skid-steer models to choose from

On grade... automatically!



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



**The best technology and quality manufacturing
make a difference**

- Finish grade elevation to within .12 to .25 inches, depending on the laser system used.
- Unique hydraulic controls automatically raise or lower the grader box
- Durable steel plate and heavy wall construction
- Digital proportional valve dramatically increases accuracy



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

- Eliminates material overages, giving contractors greater accuracy in estimating
- 3 year warranty on box construction (laser controls covered by manufacturer's warranty)
- More accurate and reliable than competitive systems

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 grader box to the required grade. Precise finish grade is attained when the "on grade" light remains illuminated. The finish grade elevation is consistently level to plus or minus 1/8" or 1/4" depending on the laser system used.



Control Box



Receiver

Reduce your Overhead

Designed for one man operation, the Level Best Grading Box replaces the traditional three person grading crew. An operator can quickly learn to use the Level Best Box and finish grade up to 50,000 square feet in an eight hour day. Consistent and accurate grades improve material yields and avoids overages. Decrease your labor costs, material costs and your grading time with Level Best.

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 either digital-proportional or proportional valve bodies for greater accuracy and reliability over other systems on the market.

"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

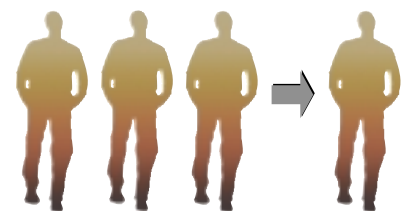
Unique Features

- **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.
- **Flat Free Tires** – These innovative, flat free tires have the same benefit as foam-filled tires, but without the added weight. This all but eliminates down time because of a tire being repaired, and leaves less of a tire track.
- **Durable Cutting Edges** – Made of long wearing high-carbon steel, 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 grader box will look great for years to come.

Draw Bar Option



- **Optional, 48" Draw Bar** – The draw bar maximizes the distance between the tractor axle and the wheels of the Level Best grading 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.
- **Solid, Rear Wheel Frame** – When equipped with a draw bar, a solid, durable wheel frame with fixed tires keeps the grade true and helps to reduce the side-to-side swaying known as "duck-walking."
- **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.



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

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

There are lots of technologies and claims to consider. Value is sometimes hard to discern. When you look closer, you can see the differences 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.



For easier operation, flat-free 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 digitally controlled hydraulics allow for faster and more accurate operation than other comparable systems.



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

Options

"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.



Draw Bar Hitch (Tractor Boxes Only) - Allows you to stay "On Grade" longer, so your job is finished quicker.



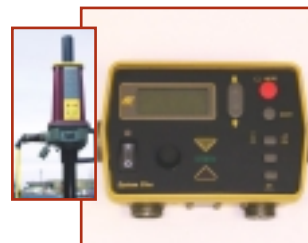
Apache Controls - Outfit your box with our Apache hydraulics (P.T. or Proportional), cables and Apache Controls.



Laser Alignment Controls - Outfit your box with our Laser Alignment hydraulics (P.T. or Proportional), cables and Laser Alignment Controls.



Trimble Controls - Outfit your box with our Trimble hydraulics (P.T. or Proportional), cables, and Trimble's Controls.



Topcon Controls - Outfit your box with our Topcon hydraulics (P.T. or Proportional) and cables to be used with Topcon's Controls.

Rear Hinged Cutting Edge (Tractor Boxes Only) - Allows you to cut and grade in reverse. Bolts onto the rear end of the box.

Model	Box Size	PTO Horse Power	Box Capacity	Shipping Weight
Tractor Grading Box, Single				
LBS5	5'	25-35	14.2 cu.ft.	1000 lbs.
LBS6	6'	30-42	17.0 cu.ft.	1060 lbs.
LBS7	7'	35-49	19.9 cu.ft.	1120 lbs.
LBS8	8'	40-56	22.8 cu.ft.	1180 lbs.
Tractor Grading Box, Double				
LBD6	6'	30-42	17.0 cu.ft.	1195 lbs.
LBD7	7'	35-49	19.9 cu.ft.	1210 lbs.
LBD8	8'	40-56	22.8 cu.ft.	1240 lbs.
Super-Capacity Tractor Grading Box, Single				
LBSE7	7'	60-80	32.7 cu.ft.	1690 lbs.
LBSE8	8'	70-90	37.5 cu.ft.	1750 lbs.
LBSE9	9'	80-100	42.3 cu.ft.	1835 lbs.
Skid Steer Grading Box, Single				
LBSS6	6'	60+	16.9 cu.ft.	1095 lbs.
LBSS7	7'	70+	19.7 cu.ft.	1155 lbs.
LBSS8	8'	80+	22.6 cu.ft.	1220 lbs.

*Recommended horse power under optimal conditions. Custom sizes available

Technical Data

- To size the Level Best Grading System to a tractor follow these directions: for every foot of box width, the tractor should have at least 5-7 PTO hp, (i.e.: 8 ft. box requires at least 40-56 hp to pull it). The Super Capacity boxes require a tractor with a minimum 70 hp. For a skid steer grading box, the skid steer should have 10 hp for every foot of box width, (i.e.: 7 ft. box should be attached to a skid steer with 70 hp). Track loaders only need 7 hp for every foot of box width, (i.e.: 7 ft box requires 49 hp).
- The auxiliary hydraulic system on the tractor or skid steer should have a flow rate of 5-20 gpm and not 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

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