



**MUMBY Laser Grader – Towed version**



The Mumby range of towed laser graders are manufactured to a high standard and robust construction for working in demanding conditions – with very little maintenance required. All graders are equipped with twin Danfoss proportional valves for accuracy and smoothness of operation – the grading accuracy is within + or – 2mm – Dual grading (X and Y axis) is standard via the rear 4-wheel depth control wheels and hydraulic raise and lower cylinders – all models are available with ripping tines (optional) (adjustable for height and shear bolt protected). The cutting blades are made of hardened steel and bolted for easy replacement, the height adjustable heavy-duty drawbars attach to all makes and models of tractors (hydraulic lift-up and down versions are optional). All graders can be painted in the customers choice of colour and are available with the Futura laser kit.

**FEATURES:**

- High accuracy Danfoss proportional valves
- Dual grading standard
- Available with or without hardox ripping tines
- Hydraulic raise and lower 3-point linkage drawbar (optional)
- Rear 4-wheel depth control – with each pair of wheels controlled by individual hydraulic cylinder
- Available with complete laser kit package (optional)
- Fold up drawbar for transporting

**WORKING PRINCIPLE**

All towed laser graders work on the same principle as follows: A laser rotating transmitter is set up on a tripod within the work site, and sends a laser beam towards two receivers mounted on poles on each side of the grader, and with the blade resting on the ground – The two receivers are set at the height of the laser beam – Mounted on the grader is a special electric/hydraulic valve system which receives constantly hydraulic oil from the tractor pump – a control box (mounted in the cab near to operator) is connected to the valves (2 off) which in turn control two hydraulic cylinders which raise and lower each pair of wheels automatically to the required level set by the laser beam height – the laser system is accurate within + or – 2mm – The Mumby Laser Grader can also dual grade – i.e.: grading in two opposite directions automatically. For further information please contact Mumby Machinery Ltd technical department 01778 346222



Danfoss Valve

Hardox ripping tines

Rear 4-wheel depth control

Laser receiver poles

**SPECIFICATIONS**

Model	MLG1500HP	MLG1500	MLG1800	MLG2000	MLG2400	MLG3000
Blade width	150cm (59")	150cm (59")	180cm (71")	200cm (79")	240cm (95")	300cm (118")
Towing unit	Utility Truck or tractor	Tractor 25-50hp	Tractor 45-70hp	Tractor 50-90hp	Tractor 90-120hp	Tractor 100-200hp
Hydraulic oil requirement	Hydra power pack standard	20-30 litres per min		25-40 litres per min		85-50 litres per min
No of ripping tines optional	6	6	6	8	8	10
Tyre size	23 x 10.5 x 12	23 x 10.5 x12		24 x 13.00 x 12		400/60 x 15.5
Valve type	Danfoss twin proportional					
Mounting	3-point hitch and or drawbar					Drawbar
Two receiver poles	Included all models					
3-point hitch category	CAT 1	CAT 1 and 2				
Shipping size W x L x H cm	150x180x120	150x180x120	185x222x160	200x200x130		300x280x150
Weight kg	480	685	745	820		1585
Commodity code	8432 2950					
Country of origin	United Kingdom					
E&OE						