



MATHARU GROUP

MATHARU Ind. Pvt Ltd.

Laser Land Leveller (INDIA)



Introduction: -

Model – MINI

Matharu Laser land leveller is levelling the field within certain degree of desired slope using a guided laser beam throughout the field. Unevenness of the soil surface has a significant impact on the germination, stand and yield of crops. Farmers also recognize this and therefore devote considerable time resources in levelling their fields properly. However, traditional methods of levelling land are cumbersome, time consuming as well as expensive.

Why we emphasize on plain land because the germination of seed or plant is badly effected in uneven land as the distribution of water is not possible for each plant. And the result is uneven crop establishment and less production. Even land requires more water and more time to irrigate field completely.



Advantage: -

Model – MINI

***BUCKET** is equipped with ruggedly constructed frame, twin double wheels with tubed tyres of suitable size, fitted with laser mounting platform, complete hydraulic system with cylinders, hoses, valves and laser hook up fitted for automatic operation of scraper.*



Specifications

Model – MINI

Model	----	MINI
Working Width	----	7 Feet (2.1 mtr.)
Bucket Height	----	14 Inch
Body Sheet	----	
Hitch Assembly	----	
Hyd. Cylinder	----	Double Action Cylinder
Blade	----	Special Steel 100 x 6mm
Tyre	----	
Operating Voltage	----	12 Volt DC
Mast	----	Standard Mast
Working Temperature	----	-20 c to +50 c
HP	----	Suitable for 35 Hp

Benefits of Matharu Leaser Land Leveller

- *Approximately 30 % increase in cultivable area.*
- *Approximately 35-45 % saving in irrigation water.*
- *Reduces the amount of water required for land preparation*
- *Improves crop establishment and care.*
- *Decreases the time to complete tasks.*
- *Increase Productivity.*
- *Save fuel, electricity used in irrigation. Increase Productivity > 30% Over Traditional Levelling.*
- *Reduce Chemical Run-Off.*
- *Assist in Top Soil Management.*
- *Improving crop establishment.*
- *Improving uniformity of crop maturity.*
- *Control in emergence of salt affected patches in the soil.*
- *Reduces weed problems and improves weed control efficiency.*
- *Economic benefits in longer run.*

How to Use a Laser Level to Level Ground

- *Set up the laser level on a tripod on stable ground.*
- *Turn on the laser level.*
- *Give it time to self-level.*
- *Identify a point on the ground at your desired height.*
- *Attach the laser detector to a measuring rod and place the rod at this point.*
- *Adjust the laser detector up and down. When you see beeping light, you have found level.*



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