

TECHNICAL DATA

Blademaster	
Working width:	2 or 2.6m
Accuracy:	±0.4m
Cylinder length:	280mm
Weight:	approx. 550-750kgs

Kilver	
Working width:	Standard 2.5-3.0m
Coupling:	Mechanical setting
Weight:	800 kg

CB1AM control-box	
Size:	160x55x100mm
Weight:	837g
Seal:	Waterproof, IP-66
Hydraulics:	Proportional and on/off

CB4 control-box	
Size:	160 x 55 x 100mm
Weight:	837g
Seal:	Waterproof, IP-66

MD10 laser receiver	
Sensor pickup range:	Proportional detection with 360° capture range
Weight:	2kg
Seal:	Waterproof, IP-66
Accuracy:	1.5mm independent on beam width

MD40 laser receiver	
Sensor pickup range:	Proportional detection with 360° capture range
Weight:	3.2kg
Seal:	Waterproof, IP-66
Accuracy:	2.5mm independent on beam width

ML4 dual beam laser	
Operating area:	900m (1600m with power diode)
Dual slope:	Up to +1100‰ dependent on model
Seal:	Waterproof, IP-66
Accuracy:	2mm/100m (-5° to +40°C)

ML13 dual slope laser	
Operating area (diameter):	300m
Accuracy:	1mm/20m
Seal:	Waterproof, IP-66



BladeMaster

Maximize productivity, accuracy and profits



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BladeMaster

For fast and precise leveling of open spaces.

- Turns your bucket into a grader.
- Can be used on backhoes, box blades and tractors
- Rough and fine leveling in gravel or sand.
- MikroFyn Laser and/or ultra sonic
- Automatically adjustment to the direction of the machine
- Uses the hydraulics of the machine
- Easy to mount – easy to use
- Can be used on most machine types
- Compatible with MikroFyn MikroBlade and MikroDozer machine control systems



MikroDozer™

Maintaining manual control of height and slope can be difficult during fine grading operations.

An automated MikroDozer™ system will provide automatic control of both lift and tilt to place the cutting edge at the precise elevation.

Adding an extra mast and laser sensor will allow the driver to work independent of the slope direction.

The system is ideal for contractors who want to further increase their machine productivity working with the highest possible accuracy.

- With the automatic control of tilt and lift the driver will now be able to focus on material control, ensuring further job site cost savings
- The automatic system will minimize material overcuts; eliminate rework and excessive material usage to improve bottom line profitability
- Ideal for grading where high accuracy is required - flat or sloping surfaces in one or two directions, road surfaces, etc.



Simple, easy to use control-box CB4

The various sensors are connected to the CB4 control-box, which calculates the changes to regulation of the hydraulic functions in less than 1/1000 sec. – that is what we call quick reaction. The visible LCD display ensures that the driver receives all necessary information to control the machine accurately in any light condition. The user dialogue is very straight forward and you will be able to start work at once.

ML13x dual slope laser

600 revolutions per minute means that the ML13x is suitable to work with all machine control systems. The setup of the laser is very simple. Place the laser close to horizontal position. The automatic self-leveling will adjust the beam up or down. When the laser is working without slope, the automatic self-leveling keeps the laser beam horizontal at all times, even if the laser is exposed to knocks and vibration.



ML4A – dual slope construction laser

The ML4A laser is one of the toughest job-site construction laser in the market – the only laser guaranteed to be waterproof to 3m of depth, this exceeds the requirements of the IP-68 standard!



Simple, easy to use control-box CB1AM

The laser sensor is interfaced to the CB1AM control-box calculating the adjustments controlling the hydraulics in less than 1/1000 second. In all light conditions the clear LED displays provides the driver with all necessary information to control the machine accurately. The user dialogue is very straight forward and you will be able to start work at once.



MD10 and MD40 laser receiver

Cast in special shockproof, fiberglass armored plastic compound and with a very low weight the MD10 and MD40 are the most robust laser receivers in the market. The laser receivers are able to withstand the shocks and vibrations on construction machines.



Kilver

Optimizes work on small or large projects such as greenhouses, sports grounds, and agricultural areas.

- Typically mounted on a tractor
- Uses the hydraulics of the tractor
- Choose one or two laser sensors
- Available with working width from 1.8m up to 10m. Standard is 2.5-3m
- Combines with mechanical or electrical masts
- Compatible with MikroFyn, MikroBlade, and MikroDozer machine control systems



MikroBlade™

The new machine control system for height control is extremely rugged and versatile.

MikroBlade™ is a complete system combining the easy to use CB1AM control-box, a high pressure valve box in solid steel, a MD10 laser sensor, and the rugged EM4.

Manual control of the system is also possible, for us as an indicat system. Alternatively you can use a MM4 manual mast or a MD40 laser sensor.

The components are all developed to withstand the extra strain of being used on a tractor - MikroBlade™ is the strongest and most rugged system in the market.

The system can be mounted on and control a wide range of machines such as scrapers, graders, and mini-dozers, automatically controlling and adjusting on the way.

- The strongest and most rugged design in the market
- Very logical user-interface
- Completely waterproof control-box (IP66)
- Extra strong military plug with quick snap for CAN bus interface
- Very clear LED display, visible even in strong, direct sunlight
- Choose between manual or automatic leveling control of the machine
- Works with all types of lasers