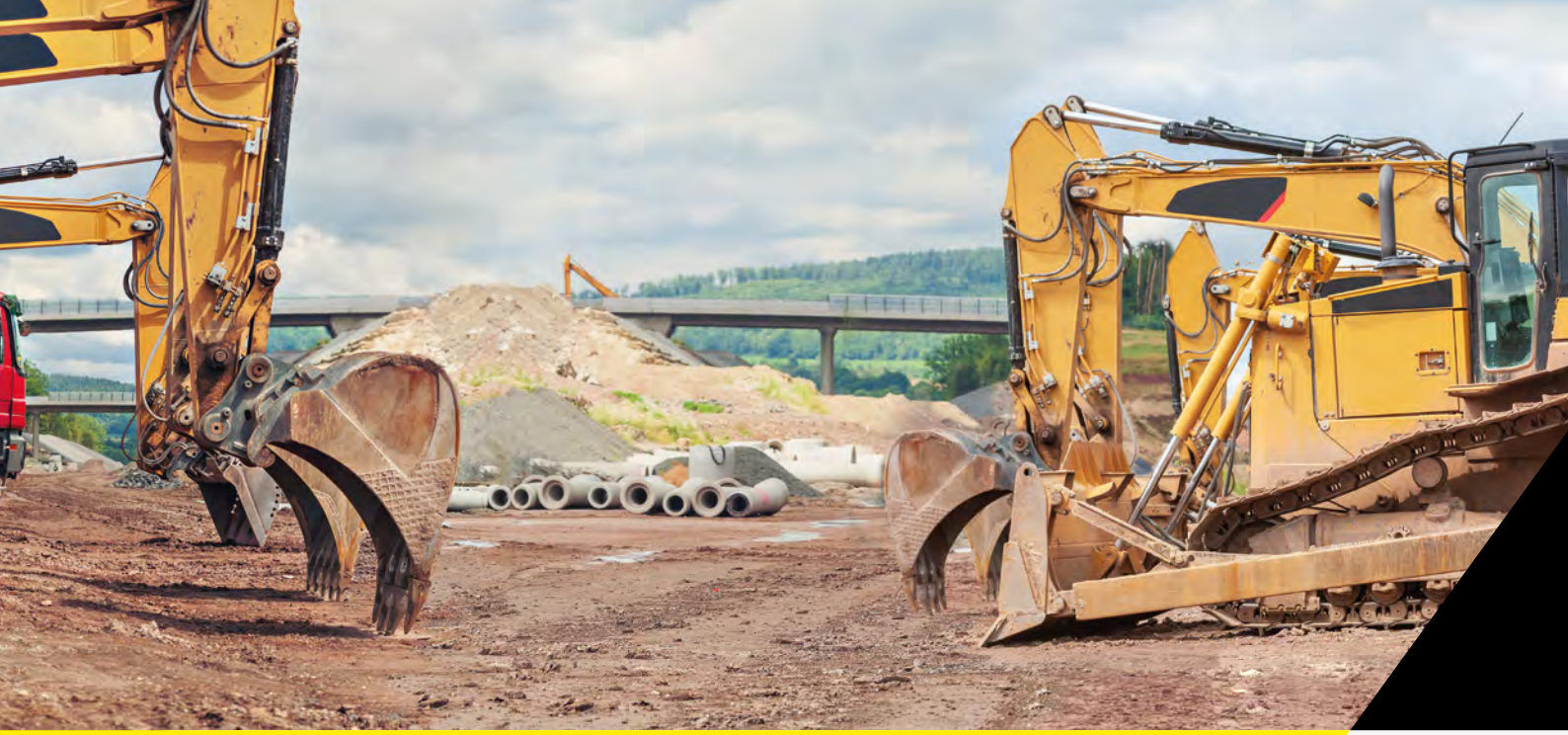
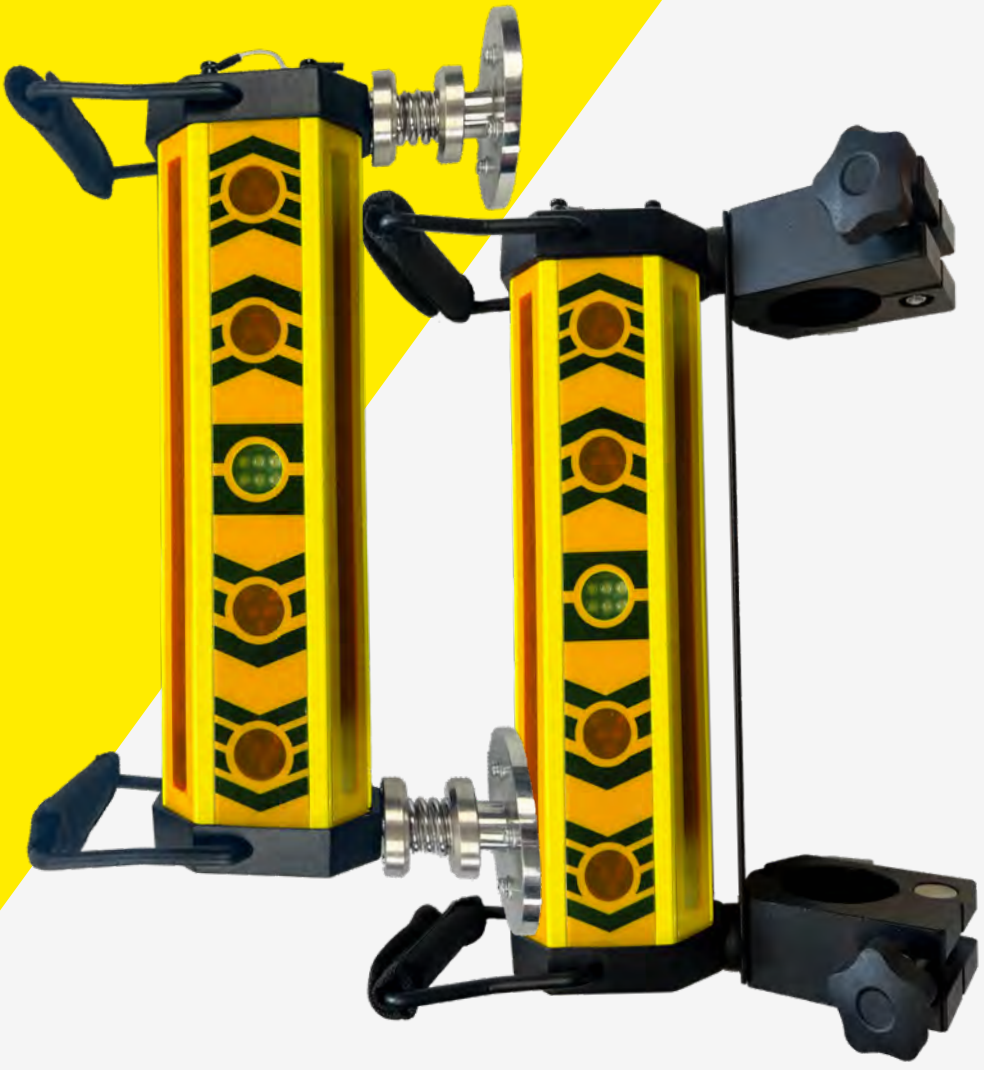


System for controlling construction machinery

MC-1D



The universal laser solution
for dozers, excavators, wheel-loaders

Savings on material
Savings on material

Simple and quick installation
assemble / disassemble, transfer

No corrections, no digging
less risk of human error

Work comfort
signal transmission
to the cabin display

Measurement solutions
for construction

NIVEL SYSTEM

NIVEL SYSTEM

nivelsystem.com

System for controlling construction machinery MC-1

Fast, precise and economical control of the machine operation

The system consists of the laser sensor that receives a signal from the rotating laser. The system uses LED indicators, which inform the operator about the current height at which the working element ihas to be set (excavator's bucket, dozer's blade). This information will also appear on the cabin receiver (RD-1MC), which performs the functions on a display. The set is configured in this way, which allows quick and efficient execution of the earthworks and the need to control measurements.

The system works with the rotating laser with a red beam. The laser is set on the axis of the road, pitch and the square (on its outskirts), which allows you to determine the slope of plane without having to move the laser. The machine operator of the Nivel System lasers, can change the instruments settings remotely by using a remote control.

	EXCAVATOR SYSTEMS		DOZER SYSTEM
	MC-1D LIGHT	**MC**-1D MAGNETS	**MC**-1D CLAMPS
Operating modes accuracy	accurate (±10mm), coarse (±20mm)		
Receiving range	250 mm, 360°		
Type of received beam	laser (red)		
Fixing system	magnet mounts		clamps
Cabin display	no	yes	
Power supply	7,2V Ni-MH (2500mAh)		
Working time	40 hours		
Charging time	15 hours		
Operating temperatures	-20°C~+50°C		
Protection class	IP 54		
Dimensions	280 x 280 x 130 mm		
Weight	5,5 kg		

Included

MC-1D - the machine sensor with the built-in rechargeable battery
MC-RC1 - he cabin display (not applicable for MC-1D Light) - not applicable for MC-1D Light
the cable connecting the sensor with the cabin display (10m) - not applicable for MC-1D Light
the cable for connecting the power supply (12V / 24V clamps) - not applicable for MC-1D Light
the charger

Your local distributor

How does the Nivel System MC-1D laser system work?

The rotating laser emits the laser beam invisible to the eye but it is received by the **MC**-1D sensor. The beam is spinning around a vertical axis aith a speed of several hundred rpm - creates the horizontal or the inclined plane (in one or two directions). This laser plane (which can be precisely set on the laser control panel) becomes the reference plane for the sensor installed on the machine. The operator (while digging) observes the indications of colored LEDs on the sensors. LEDs indicators show the current position of the bucket relative to the reference laser plane and give the simple messages: „move down the backet or the blade", „move up the backet or the blade", „ keep it on this level „. This information is also presented in the operator's cabin via the Nivel System **MC**-RC1 display.