



Daewoo Engineering & Construction
Prugio Cheonan Site

2D machine control system using rotating laser level and LS-B10W

These days, we're hearing a lot of talk about machine control systems among excavator operators.

One of them is a 2D machine control system using the X-32, rotating laser level and LS-B10W.

This 2D machine control system uses a rotating laser level and LS-B10W to easily know the current excavator bucket height. The precision is within 1cm.

In particular, the receiver, LS-B10W, is similar to the receiver of the rotating laser level commonly used in fields, which reduces user accessibility and resistance to using this equipment.

In addition, because the situation seen by the operator on the monitor and the actual height displayed in the receiver are the same, field managers can also easily understand and check the current work situation.



(On-site manager checking the level)

"On-site managers can see the current excavator work progress and process even from a distance, making on-site management easier," he said. He also said that because it uses a rotating laser level, other surveyors can also use it, making it more efficient.

Kyung-seon Lee, an operator who is currently using the LS-B10W in the field, said, "With the LS-B10W, we can easily share the status between tasks and make it easier for managers to understand, making work much easier."



(Excavator equipped with LS-B10W)

"Rotating laser levels are easy to apply because they are placed on all sites," he said.

This is a new type of 2D machine control system that uses a rotating laser level and LS-B10W instead of a compass sensor in the existing X-32 equipment. It can be used for digging using an existing horizontal rotating laser level, and a level with a gradient function is useful for digging pipes.