

Bucket Filling Assistant

Keeping production steady with automation

LIEBHERR

Mining equipment



Get the best performance out of your Liebherr mining excavators with the Bucket Filling Assistant, the first automation product for Liebherr's hydraulic excavator portfolio, that makes bucket filling easier and more consistent. As a result, overall efficiency improves while operators' fatigue decreases.



IoMine

Features



Anti-Stalling Function

Prevents the bucket from stalling in the digging face during the bucket filling cycle. While operating the machine conventionally, the Bucket Filling Assistant automatically optimises attachment response to operator inputs when sensing the bucket is starting to stall in the digging face.



Semi-Automatic Bucket Filling Function

Allows the operator to realise the bucket filling cycle automatically. This mode of operation allows the operator to fill the bucket with just the left-hand joystick. Both bucket and boom movements are automatically piloted by the machine system until the operator retakes manual control.

Benefits



Pioneering automation technology

The Bucket Filling Assistant is Liebherr's first step toward automating its hydraulic excavators, paving the way for more advanced automation in the future



Consistent bucket fill factors

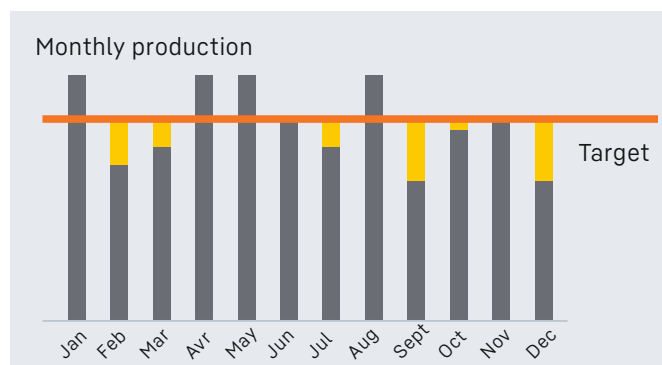
In hard or blocky digging conditions, operators achieve faster and easier bucket filling with consistent fill factors, regardless of digging conditions to ensure optimal performance.



Enhanced productivity and reduced fatigue

Maintain overall effectiveness of bucket filling throughout the working period, eliminating the detrimental effects of operator fatigue and enhancing overall productivity.

Smart filling, smarter production



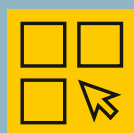
In an industrial environment where production stability is essential to meet market demands, the Bucket Filling Assistant is a strategic asset. Thanks to its adaptive intelligence and real-time monitoring, it helps to maintain a stable production rate by minimising variations and unscheduled stoppages. By optimising each stage of the bucket filling phase, the Bucket Filling Assistant ensures that set targets are met, while reducing time and material wastage. This technology ensures consistent performance, better resource management and rapid profitability, even for inexperienced operators.

Availability

	R 9100 G6	R 9150 G7	R 9200 G7	R 9300 G8	R 9350 G6	R 9400 G6	R 9600 G8	R 9800 G6
New machine	×	✓	✓	✓	×	×	✓	✓
Retrofit	×	✓	✓	N/A	×	×	N/A	✓

Please note: the Bucket Filling Assistant is only available in for Liebherr's hydraulic excavators in backhoe configuration that are fitted with internal combustion engines.

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One portal, all services

MyLiebherr

MyLiebherr is Liebherr's customer portal, offering users centralised access to a range of services and applications related to their machines and equipment. The portal enables users to order spare parts, manage software licences and contact maintenance partners directly.



Scan here to learn more!

Subject to technical modifications. All comparisons and claims of performance are made with respect to the prior Liebherr model unless specifically stated.

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