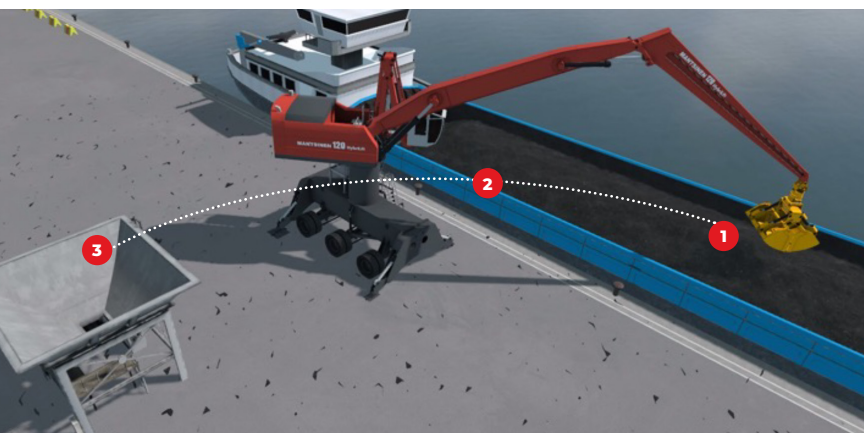


# MANTSINEN SEMI-AUTOMATIC OPERATION

**Mantsinen Semi-Automatic Operation** is an optional feature designed to make day-to-day material handling easier and safer. It assists the operator with fast repeated work cycles and is especially beneficial when operating in confined spaces or when there are interfering obstacles. Utilizing the feature is simple: the operator enters the work path with up to 10 path points. An intelligent Mantsinen Control System with its precise sensors, ensures safe semi-automatic operation.



## MANTSINEN SEMI-AUTOMATIC OPERATION

- One work path can include up to 10 path points.
- The operator only controls the speed with a joystick - automation synchronizes the needed functions.



Automation



Efficiency



Productivity  
improvement



Safety



# SMOOTH OPERATION

## QUICKER OPERATING WITH LESS STRAIN

When a work cycle is repeated several times and the unloading location is unchanged, Semi-Automatic Operation makes the operator's work a lot easier and smoother. For example, when moving material from a vessel to a hopper, Semi-Automatic feature speeds up the procedure considerably. It provides micro breaks for the operator and reduces strain, improving concentration, while also ensuring stable and reliable operation.

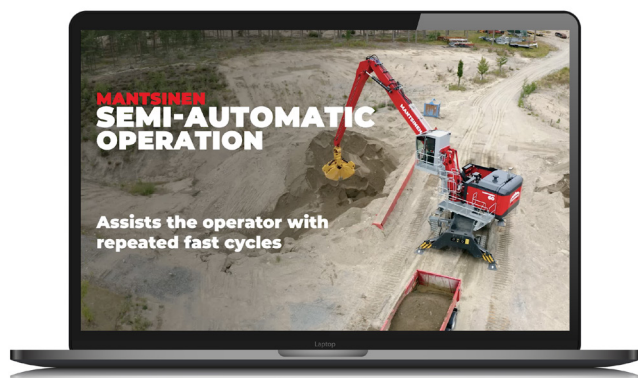


## FOR SAFER WORK AND WORKPLACE

Getting around obstacles in the loading or unloading area is safer with the Semi-Automatic Operation. You can program up to 10 path points per work path, so even complex obstacles can be passed securely. This improves work safety and productivity even in cases where the operator is more inexperienced. Automated work cycle can't be activated if the cabin is within the operation area.

## EASY TO USE

Semi-Automatic Operation is incredibly easy to implement, and adding a new work cycle is quick and simple. With the joystick control button, operator activates the feature and sets the path points. The operator's role is to control the speed, while the automation handles the front equipment functions independently. The load is grabbed and released manually.



## SEE IT IN ACTION

Scan QR-code to watch the video demonstration and see how easy it is to activate and use in your day-to-day operations.

