

Intelligent Plant Safety

iPS

Intelligent Motion Control Height Limiter

iPS supports a nationwide network of fully trained service engineers. Warranty claims, service work, technical information and spare parts are available.

Intelligent Plant Safety Ltd

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iMC Intelligent Motion Control

Height Limiter

www.intelligentplantsafety.com/imc-height-limiter

Limit Icons

- Green arrows Show that the equipment can be moved in the indicated direction
- Amber arrows Shows the approach to set limit
- Red arrows Shows when the relevant motion cut is applied so the equipment does not exceed the set limit



Data Logging as 'standard'



The In-Cab display houses the Supervisor Key Switch to reduce cab clutter and points of failure

Features & Functionality

Non OEM Specific, can be installed onto any manufactures piece of plant
Proportional Valves for the motion cut with manual override as '**standard**'

Easy to use and intuitive MMi with a clear 4.3" colour In-Cab Display

Smart Height Limiting with Gyro compensated Angle Sensors

2D Limitation anywhere within the working envelope

Optional 'Limits Active' output for Magenta Beacon

Optional Reach Control & Cab protection

Supervisor Key Switch as '**standard**'

Optional Blade Monitoring & Control

Data Logging as '**standard**'



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Intuitive In-Cab 4.3" Display

Small yet powerful combined I/O and In-cab Display with Supervisor Key Switch built in reducing points of failure, cab clutter and operator fatigue.



- | | |
|--------------|---|
| Button 1 | Turns the limit ON or OFF. If turned on here the system uses the last saved Limit |
| Button 2 | Sets the limit at its current measured position. Move the equipment to the required limit. Pressing this button automatically turns the limit ON and the ON/OFF icon 'button 1' will turn red/ON. |
| Button 3 & 4 | Adjusts the limit to be set. Pressing either of these buttons will automatically activate the limit. This limit can then be manually turn OFF at any time. |
| Button 5 | Exit back to main screen |



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iMC Major Components

Smart Height Limiting with Gyro compensated Angle Sensors



Combined In-Cab Display including built in Supervisor Key Switch & I/O Control with M12 connectivity reducing components and points of failure

Built in Supervisor Key Switch to remove cab clutter



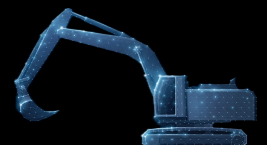
4.3" Intuitive In-cab MMI with intelligent and easy to understand graphics reducing operator fatigue



Manual Override tool held with the Supervisor key



Custom Proportional Control for smooth machine operation and to reduce operator fatigue



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