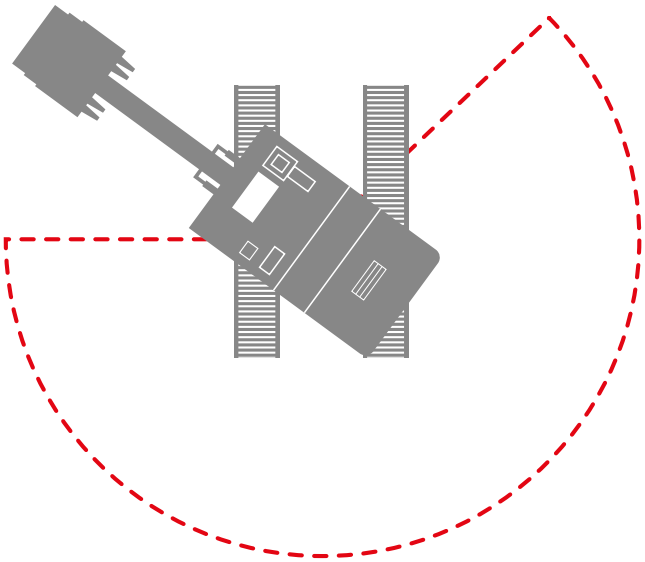
XW3 Series
Slew Limitation

Suitable for
- Excavators
- Special purpose machines

The XW3 can be configured to work on a variety of articulated hydraulic plant. Slew limitation is controlled using proportional soft-stop hydraulic valves providing accurate and repeatable performance without detriment to the machine.

XWATCH
SAFETY SOLUTIONS
part of **Hexagon**

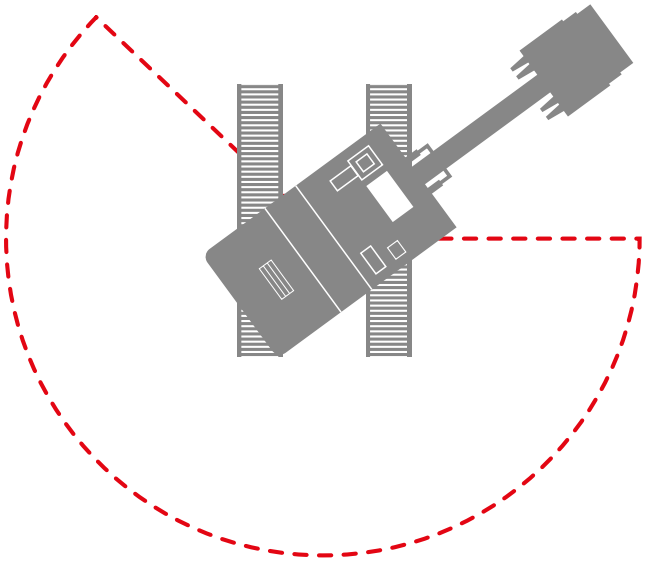
XW3 Slew Limitation



Operation is fail safe and fully automatic with function selection never more than two key presses away.

Dependent on installed options, XW3 supports angular slew limits.

Slew speed will ramp down on approach to a limit and soft stop at the limit. Full power is always available if moving away for a slew limit.



A slew limit can be either manually keyed in or set automatically by positioning the machine equipment and pressing HERE.

Set up is simple, quick and can be protected with an optional access key switch. All settings are retained and will be active on start-up.

XW3 measures to the front-end equipment centre line. Tool width must be taken into consideration when manually setting limits.

XW3 Slew Limitation

Base system

Major components carry a five-year guarantee excluding misuse and physical damage.

IO Controller

Solid state, fully potted IP67, mounted in pump or engine bay. 4 x analogue inputs. 8 x digital inputs. 12 x output. All with full electrical protection and diagnostics, 2 x CAN bus. 11 - 30VDC.
Manual key override for motion control valves.
<10mS program cycle time for accurate response.

Display

IP65, RAM mount to window or dash. 4.3" LED backlit colour. 800 x 480 px. 11 x RGB backlit, tactile keys. 1 x CAN bus. 1 x Ethernet. 8-32VDC.

Cabling

Industry standard multi-core screened with M12 connectors.

Angle sensors

Compact solid state 3 axis accelerometer with gyro compensation. Stainless steel, IP67.
CAN J1939. Steel mounting bracket.
Can be mounted anywhere on the front-end equipment in any orientation. Direct drive performance. Up to three articulations can be monitored with the addition of chassis attitude.
Slew sensing by inductive proximity switches or incremental rotary encoder.

Hydraulics

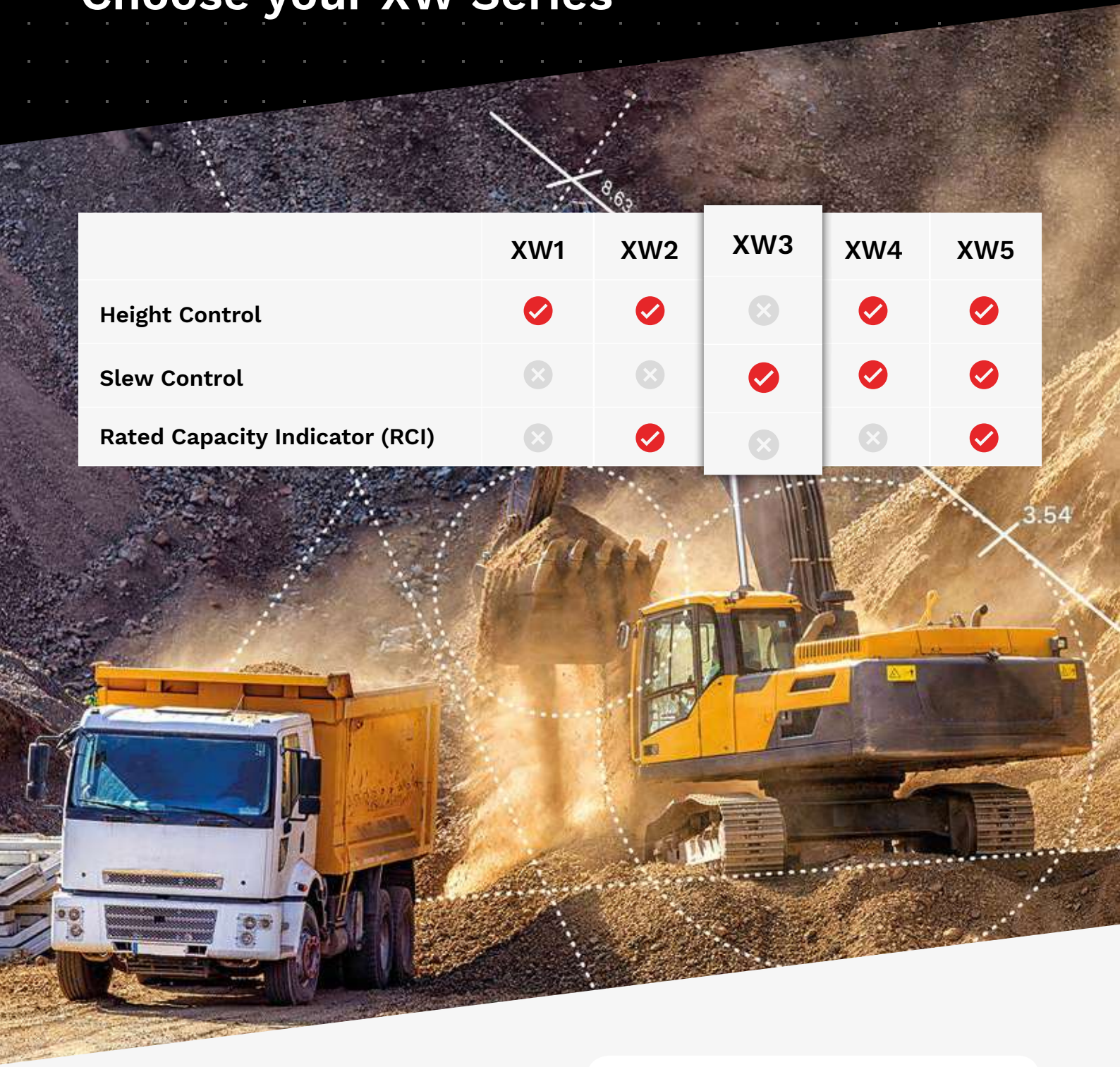
Custom made hydraulics with super compact aluminium. PWM proportional sandwich valve available in 2, 4 and 6 valve manifolds. Other hydraulic options are available.

Options

Access key switch	Prevents/allows setting changes
Beacon	RCI is active indication
Reeling drum	Monitors telescopic arm extension (single proximity switch detection also available)
Platform sensor	Monitors chassis pitch and roll angles
Data Logger	CAN bus mounted event recorder with SD card
12VDC Valve coils	No cost option for smaller machines
Angle sensors	If not specified, only angular slew limitation will be available

Choose your XW Series

	XW1	XW2	XW3	XW4	XW5
Height Control	✓	✓	✗	✓	✓
Slew Control	✗	✗	✓	✓	✓
Rated Capacity Indicator (RCI)	✗	✓	✗	✗	✓



Want to know more?

visit xwatch.co.uk

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