



EUROPE'S LARGEST MANUFACTURER OF PLANT SAFETY SYSTEMS...

- ★ HEIGHT LIMITER
- ★ SLEW LIMITER
- ★ RATED CAPACITY INDICATOR
- ★ GUIDANCE SYSTEMS
- ★ DEMOLITION STABILITY MONITOR

@PROLECLTD



ABOUT

»» THE PRODUCT

Prolec supplies safety, control and productivity systems to a wide range of industries, with a focus on the construction, rail, waste, ports and agricultural markets.

Our safety and guidance systems mitigate the risk of incidents thereby reducing the costs associated with repair, engineer call outs and machine downtime. Working faster with exceptional accuracy to improve productivity and all but eliminate the need for costly reworks.

All of this and the peace of mind that reliability really does come with every Prolec product.

	100	200	300	400	500	700	Rail	PCX
RCI		•			•		•	
Height limiter	•	•		•	•		•	
Slew limiter			•	•	•		•	
Stability Monitor						•		
GNSS and 3D DTM								•



»» HAVING A HARD TIME?

Construction is a tough business. You work hard and carry a lot of risks for a razor-thin margin. Add to that the growing number of demanding regulations and an ever-increasing pressure to be more productive (whilst minimising the impact of your operations on the environment) and it looks like things are only going to get tougher.



SOLUTION

»» PROLEC

We'll seamlessly integrate our systems with yours to give you access to the very best safety and productivity information. Our technologies have applications in all manner of plant equipment, and they could be the winning edge you need to deliver a truly revolutionary product to the market.



FEATURES



»» Height limiter

Protecting operators and assets against overhead structures, including bridges, signs, and power lines.

»» Rated capacity indicator

Designed to assist your machines to meet the LOLER requirements for safe lifting

»» Guidance systems

Work faster with exceptional accuracy to improve the productivity of your operations and all but eliminate the need for costly reworks.

»» Slew limiter

Proventing collisions and damage to your machines by stopping them from moving outside of the limits set by the operator.

»» Demolition stability monitor

Built from the ground-up to deliver superior demolition safety to protect your machines and create a safer working environment.

Prolec height limiter

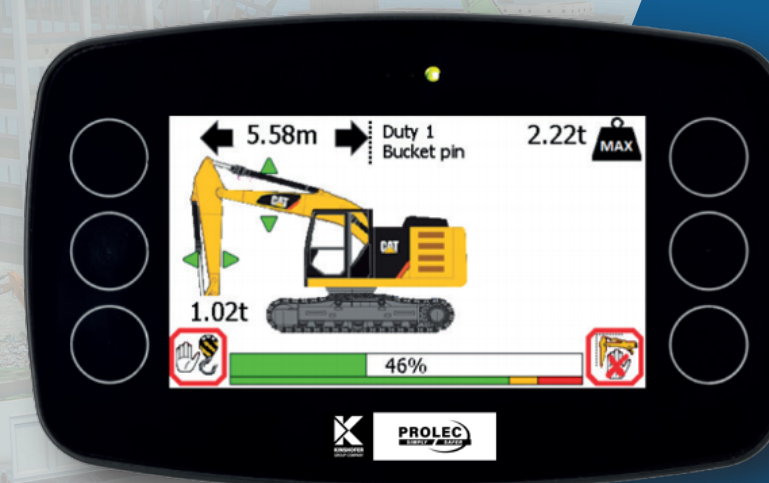


- Indication when limits reached
- Protects against overheads
- Real-time height display

The PME100 range protects operators and assets against overhead structures, including bridges, signs, and power lines. This range of systems provide real time height limitation, using a vertical working envelope, the system monitors the boom and dipper to keep a safe working environment when the limits are set.

Hydraulic motion cuts are standard on all PME100 systems to automatically override movement and halt the machine when limits are reached.

Prolec rated capacity indicator



- Measure the radius and load on machine
- Work at the maximum lifting capacity
- Keep within the maximum lifting capacity

The PME200 range is composed of Rated Capacity Indicators (RCI) that are designed to assist in meeting LOLER requirements for safe lifting. The PME200 range includes simple warning systems as well as RCI with height limitation systems, meaning that you can safeguard your assets and machines when working in congested environments such as under bridges or under power lines.

Prolec basic angular slew limiter



- Real-time display of slew
- Indication of safe direction movement at limits
- Protects against hazards next to machine

The PME300 range protects operators and assets by monitoring and preventing the machine colliding with hazards. The solution enables users to simply define where hazards are in relation to the machine in order to create a safe working environment around it. The solution enables users to neatly define where hazards are in relation to the machine to create a safe working environment.

Hydraulic motion cuts are standard on all PME300 systems to automatically override movement and halt the machine when limits are reached.

Prolec height and slew limiter



- Real-time display of height and slew
- Monitors boom and dipper
- Protects against hazards next to machine

The PME400 range is a combination of our trusted height and slew technologies, the PME400 systems protect operators and assets from hazards above and around your machine in one effective real-time height and slew limiting system.

Hydraulic motion cuts are standard on all PME400 systems to automatically override movement and halt the machine when limits are reached.

Prolec height and slew limiter with RCI capability



- Real-time display of slew and height
- Measure the radius and load on machine
- Protects against hazards next to machine

The PME500 range combines our market leading RCI, height, and slew technologies into one intuitive system by delivering asset and operator protection against hazards above and besides the machines, while also protecting against over-loading and tipping.

Hydraulic motion cuts are standard on all PME500 systems to automatically override movement and halt the machine when limits and SWL limit are reached.

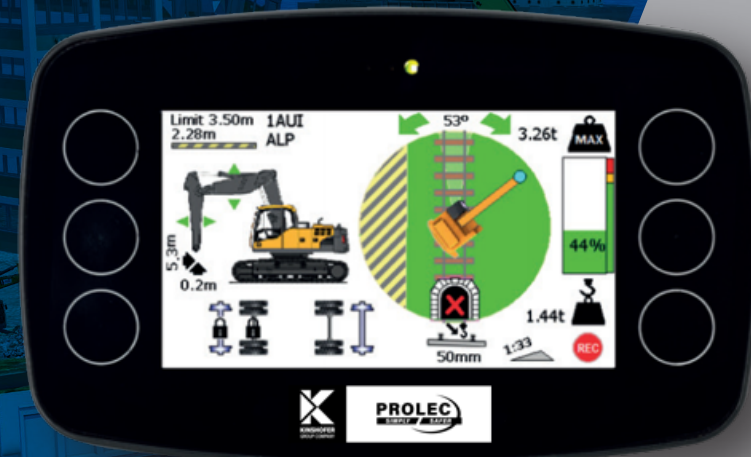
Prolec demolition stability monitor



- Calculates the distance between tool and cab to protect from machine instability
- Increased functionality without compromising safety

PME700 will indicate the safe zones of the machine, ensuring that operators can fully and safely exploit the machine's capacity. The system also continually calculates the distance between the demolition tool and the cab, to ensure that falling debris does not strike the cab. PME700 can be tailored to include overload, tool weight, drop zone protection and slew-dependent working ranges, for non-standard long-reach demolition equipment.

Prolec safety for rail construction

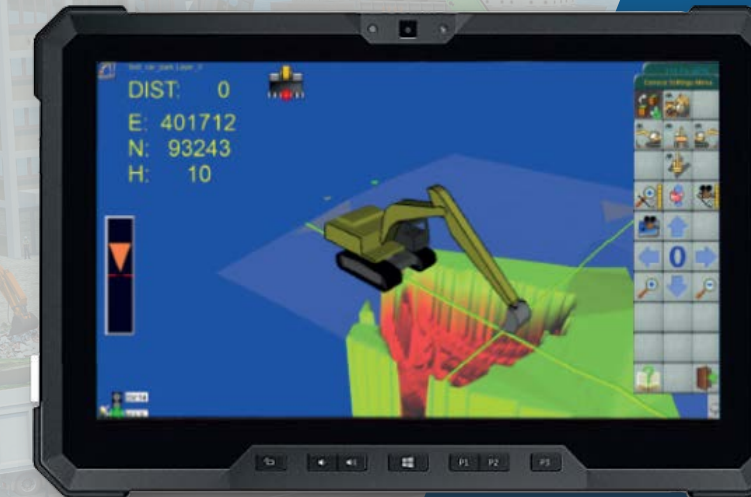


- Real-time display of height and slew
- Protects against hazards next to and above the machine
- Keeps operator within safe working load

Designed specifically for the safety-critical road rail market, Prolec's Euro Rail system combines a full range of controls on load (RCI and RCL), height and slew. Variants of our rail products has been fitted to road rail vehicles (RRVs) around the world and has a proven record of safety and reliability.

The system is fully compliant to EN13849, EN15746-1 and EN15746-2 standards, and has been developed specifically to comply with UK and European rail body working regulations for road rail vehicles.

Prolec 3D GPS machine guidance



- Excellent level of accuracy
- Ideal for dredging applications guidance system
- Revolutionises ease of use, efficiency, and performance

Our pcX-Pro 3D system uses DTM models and state-of-the-art GNSS technology to constantly monitor the position of the machine and tools in real-time in relation to the design model. Together with the cut and fill indicators displayed in the cab, this allows operators to rapidly excavate to the reference design with an excellent level of accuracy.

All work carried out is shown in the display in real-time and logged as evidence in the progress map related to each job, which can be exported and used as evidence to the client.



WHAT YOU CAN SAVE

»» Time

Real-time height limiting improves productivity by minimising machine downtime.

»» Assets

Protects operators from collisions with overhead hazards by limiting machine movement.

»» Money

Mitigates the risk of collisions with critical infrastructure, protecting your profits.

»» SAFETY BEGINS HERE AND ENDS WITH YOU!

Prolec began life on a wave of innovation and has never stopped!

With 40 years' experience supplying machine productivity and safety systems for construction equipment, and a heritage of trust and excellence, Prolec has set the benchmark for compliant, smart solutions.

Our mission is to make construction safer and more productive – but we can't do it alone. In fact, we don't want to. So, if you're part of a business that understands the value of innovation and wants to put safety at the core of its vision for the future, come and join us!

CONTACT OUR TEAM TODAY FOR MORE INFORMATION...

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40 YEARS OF PROLEC