

CROWN

ESR 1000 SERIES



How performance gets real.



ESR Series reach trucks featuring the Gena operating system give you a data-rich user experience that's more human, personalised and interactive. Benefits extend from operators to service engineers to management. Connectivity brings it all together, simplifying the implementation of new technologies to build on what you have. Get real performance, optimised for your organisation.

***21%**

Up to
more productivity
with Xpress Lower

100%

compliance with daily
checklist procedure
via InfoLink

40%

Up to
fleet downsizing
with InfoLink
fleet management

11%

Up to
energy savings
with regenerative
braking and
lowering

*Controlled cycle comparison test

Clear and concise help at hand.

Skilled operators know what to do at just the right time. On ESR Series reach trucks, operators can deliver higher levels of throughput. The Gena operating system optimises truck performance and makes vital information easy to see, understand and use. It's dynamic, personalised and all within reach on a 17.8 cm (7 in) colour touchscreen.

Dashboard Widgets

- Auto Height Select
- Battery
- Capacity Data Monitor
- Clock
- Odometer

Cancel

Save

25

languages so
operators can
understand each
message

13+

widgets for truck
functions at a
glance – simply
swipe to select
favourites

InfoLink®

Crown's InfoLink Fleet Management System uses the ESR Series' Gena operating system to give your organisation a rich source of real-time performance data. Your connected truck helps you precisely monitor and manage compliance, impacts and productivity. And service engineers can use the truck display for enhanced diagnostics, including step-by-step troubleshooting, setup and calibration.

Up to **90%**
damage
reduction



Work smarter, faster at height.

**XPRESS
LOWER™**

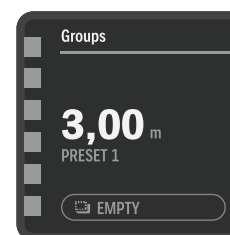
Optional Xpress Lower technology doubles lowering speed to improve cycle time and increase productivity.

2x
faster lowering
speed with
Xpress Lower

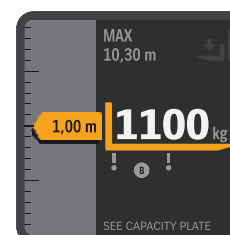
Positioning forks and loads at height can be a challenge. On ESR Series reach trucks, operators work with skill and precision at any height without compromising productivity. Programmable features, Xpress Lower, intuitive displays, one-touch controls and camera options all work together to optimise performance. Advanced hydraulics and motors, including regenerative lowering systems, deliver smoother, quieter and faster lowering.

Automated Precision

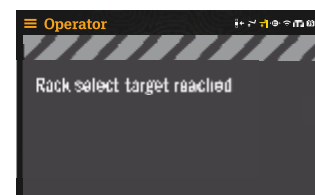
Operators use the ESR Series' optional Auto Height Select feature to automatically stop the forks at programmed rack heights, either by selecting the desired destination on the screen or by using the one-touch button to stop at the next programmed height. Its precise, automated positioning capabilities help avoid product, rack and truck damage, while improving throughput.



Easily program different rack heights for multiple zones in your facility.



The display shows the actual height as the forks rise.



The display confirms when the forks have reached the desired height.

Smarter Fork Levelling



The ESR Series' optional Tilt Position Assist compensates for mast and carriage deflection and automatically levels forks relative to the ground for more precise positioning.

Up Close, All Clear



Camera options for the forks or mast further optimise load handling and positioning.



Efficiency in action.

17

sensors on
truck to collect
real-time data

Optimised Cornering Speed

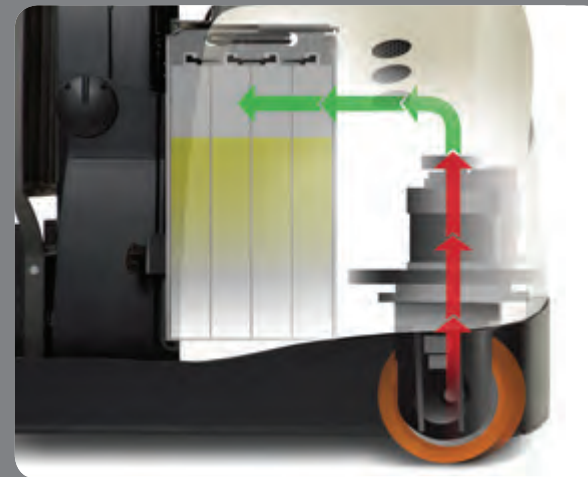
This system automatically adjusts allowable speed and acceleration when the operator drives into or out of curves, providing smooth and confident handling.

Energy savings is one measure of efficiency. Working smarter to get more done with much less effort is another. Crown ESR Series reach trucks give you both. It's a new dimension of efficiency and performance personalised for you. That's the power of the Gena operating system.

Every function on ESR Series reach trucks is linked to the Gena operating system. Sensors integrated throughout the truck gather real-time data on operating conditions, control input and system output. High-speed processors and proprietary algorithms adjust operating parameters for efficient performance. This includes Crown's AC motors, which incorporate the latest generation motor control and the highest thermal rating in the industry. You also benefit from features such as regenerative braking and lowering, which recover energy for longer runtime. It's how you achieve real performance, productivity and efficiency.

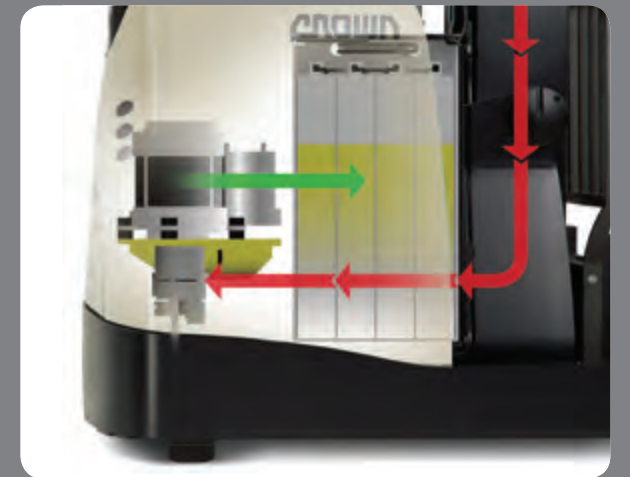
e-GEN® Braking

Regenerative braking saves energy while improving brake performance and life. The high-torque traction motor provides smooth braking while returning energy to the system.



Energised Savings

Regenerative lowering, included with Xpress Lower, recaptures energy as the mast is lowered and returns it to the system for a significant runtime advantage.



Get OnTrac™

Crown's patented OnTrac Anti-Slip Traction Control reduces tyre spin during acceleration, plugging and braking. Crown's Gena operating system analyses truck speed, wheel revolutions and driver inputs to optimise tractive performance and increase tyre life. Great for wet, dusty or freezer applications.



More than a truck. A partner.

Capacity Limit Alerts



Red
– load exceeds capacity or is above lift height limit



Yellow
– load is approaching the lift height limit



Gray
– load is below capacity and lift height limit

Operators use the optional Capacity Data Monitor to view accurate load weights, lift heights and capacity limits at a glance on the display. Colour-coded visuals are designed to alert them of current status, so they stay within safe load limits.

10

checklist graphics

10

pre-programmed safety reminders

With the integration of the InfoLink system on the ESR Series, engaging and helpful features assist the operator. Clear, interactive displays. Required safety log-in. Automated assistance and coaching. Context-sensitive alerts. Reminders to avoid unsafe operations. Visual alerts. Unobstructed views. This is how the ESR Series informs and enhances performance and productivity.



Dynamic Coaching™

Dynamic Coaching, an exclusive InfoLink feature, offers:

- Interactive performance and safety feedback
- Real-time notification and alert messages
- Ability to share with supervisors via dashboards and reports
- Ongoing training and safety awareness

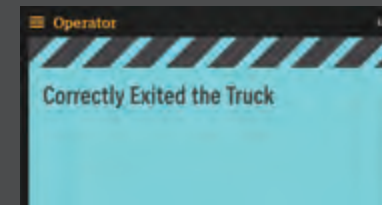
All Clear To Go

InfoLink customisable checklists with graphics provide data for managing safety, service and compliance.



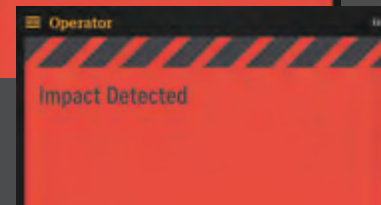
Take Care

The ESR 1000 regularly displays safety messages – illustrations and text – to remind operators of their training.



Notifications

Operators receive real-time notification messages, colour-coded blue and announced with a distinct tone.



Alerts

Real-time alert messages are colour-coded red and announced with a tone reserved for alerts.

Make it personal.

Control Options



Fingertip controls with moveable palmrest
– distinct functions



Dual-lever controls
– combined functions



Multi-task control handle
– blended functions

Remote Display And Accessory Controls

Integrated into the armrest, the optional remote navigation knob provides a convenient alternative to the touchscreen. Accessories such as worklights and seat heater are controlled from auxiliary switches in the armrest control panel.

The More You See...

The ESR Series' offset mast gives the operator a better view of the load wheel, fork and pallet.



Optional panoramic glass maximises visibility and provides a superior debris shield for productivity improvements.



Personalisation is how the ESR Series helps operators comfortably move with precision and confidence from one task to the next. Operators choose the optimal position for control, visibility and workflow. That's how you improve a skill set, with fluency that moves toward precision.

Select **180° or 360°** steering to suit your operators



The right fit, personalised for both small and large operators – operators benefit from optimised control with adjustable settings for the seat, controls, armrest and display screen.



Crown's 360 Select feature provides the choice of 180 or 360 degree steer tyre rotation to match driving conditions or personal preference.

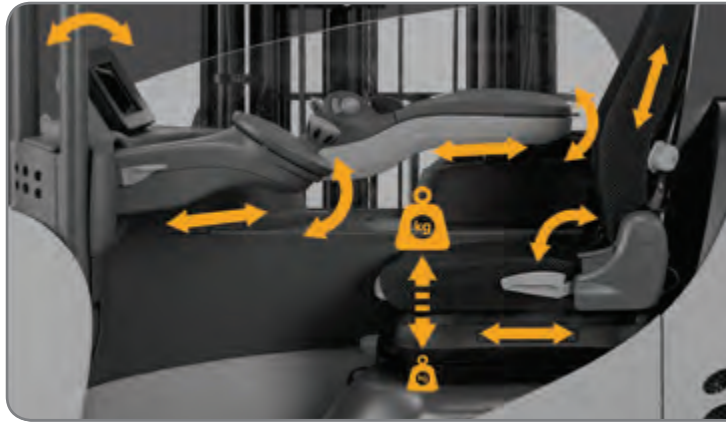


The D4 Armrest provides operators the ability to achieve more:

- Adjustability**
– a full range of available adjustments
- Ergonomic comfort**
– a movable palmrest and vibration dampening
- Unique design**
– a fin shaped grip and navigation dial
- Adaptability**
– puts up to 15 separate controls at the operator's fingertips

Adjustability All Around

Adjustability features of the ESR Series include suspension seat height/weight settings; forward/reverse seat adjustments; seat tilt and lumbar support; armrest height and horizontal adjustments; steering tiller height and horizontal adjustments; and display screen inclination.



Smarter, More Efficient And Reliable Reach Trucks

ESR 1020

Mast	Duplex or Triplex
Max. lift height	9090 mm
Max. lift speed	0.61 m/s
Max. travel speed	10 km/h
Battery	280–775 Ah
Overall width	1120 mm

ESR 1040

Mast	Duplex or Triplex
Max. lift height	9450 mm
Max. lift speed	0.61 m/s
Max. travel speed	10 km/h
Battery	420–775 Ah
Overall width	1285 mm

ESR 1060

Mast	Triplex with integrated sideshift
Max. lift height	13560 mm
Max. lift speed	0.80 m/s
Max. travel speed	14 km/h
Battery	420–930 Ah
Overall width	1285 mm



ESR 1020

Available in 1.4 tonne and 1.6 tonne capacity, this narrow chassis model is ideal for confined spaces, block stacking applications and rack aisles only 2.5 metres wide.



ESR 1040

Available in 1.4 tonne and 1.6 tonne capacity, this standard width model is a value-packed solution that doesn't compromise on durability or operator comfort.



ESR 1060

Designed for heavier loads, higher lift heights and greater throughput, this model is available with 1.4, 1.6 or 2.0 tonne capacities.

Moving toward the future.

The ESR 1000 Series takes a considerable leap forward in reach truck design, building on the award-winning ESR 5200 Series. Now you can benefit from advanced productivity and management capabilities as standard features, thanks to the Gena operating system and built in InfoLink connectivity. At Crown, we're committed to making it real.

Series		ESR 1000	ESR 5200
Truck Features	Adjustable Performance Settings	●	●
	Optimised Cornering Speed	●	●
	Ramp Hold	●	●
	Regenerative Braking	●	●
	Three Control Options	●	●
	Cold Store Cabin	○	○
	Super Duty Mast	○	○
	Lithium-Ion Ready	○	○
	OnTrac Anti-Slip Traction Control	●	
	Capacity Limit Alerts	○	
	USB Charging Port	○	
	Auto Height Select w/One Touch	○	
	Xpress Lower w/Regen Lower	○	
Gena Operating System Features	Enhanced Truck Calibration	●	
	Real-Time Truck Feedback	●	
	Custom Software Configuration	●	
	25 Languages	●	
	Personalised Display Screens	●	
	Cautionary Messages	●	
	Connectivity	●	
InfoLink Features	Fleet & Operator Management	○	○
	Personalised Performance Settings	○	○
	Safety Checklist with Images	○	
	Safety Reminders	○	
	Dynamic Coaching	○	

● Standard ○ Optional

Get real performance.

Making things easier, more reliable and cost-effective – that's how Crown delivers real performance. Personalisation is the key, from taking care of the operator to meeting your organisation's needs. Feature by feature, from today and into the future, the ESR Series moves you closer to optimised performance.



Laser Fork Guide – option to easily position the forks at height for increased precision and productivity



Narrow Outriggers – loads up to 1000 mm wide will fit between the outriggers without increasing overall width of truck



D4 Armrest – provides exceptional operator comfort along with three hydraulic control options for operator productivity



Ramp Hold – holds truck stationary on ramps or push-back rack until a travel input is given



Selectable Performance Levels – five settings (three of them customisable) with operators' personal preferences



5th Hydraulic Function – option to control attachments such as fork positioners with sideshift or clamps to meet specific application requirements



Tilting Mast – ideal for applications with uneven or unlevel surfaces



Worklights – front and rear options available to enhance operator visibility and provide awareness for pedestrians



Overhead Guards – angled, flat, extended, drive-in rack, low clearance or clear glass – we have what you need



Lithium-Ion Batteries – offer a very short charging time, tolerate unlimited opportunity charging and simplify battery management by avoiding the need for daily maintenance, spare batteries or special rooms for charging

Cold Store Cabin

Operators work comfortably at temperatures as low as -30°C in the ESR Series' climate-controlled cabin. Along with a rugged steel structure, it features durable sealing treatments for electrical connections and thermostatically controlled heaters for critical electrical components.



USB Charging Port – suitable for charging phones, tablets and other mobile devices



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