

CROWN

ESR 1200 SERIES



Real Performance Within Reach

The ESR 1200 Moving Mast Reach Truck combines enhanced comfort with productivity and usability. Intelligent systems provide contextual guidance to help increase operator awareness and provide a safe and productive working environment. At the same time, the smart technology provides a platform for growth, scalable to meet your future application needs.

The ESR 1200 Series



Solid Hardware



Efficient Systems



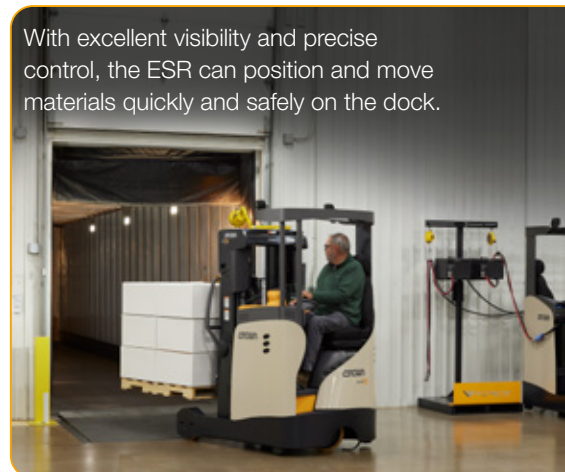
Customizable



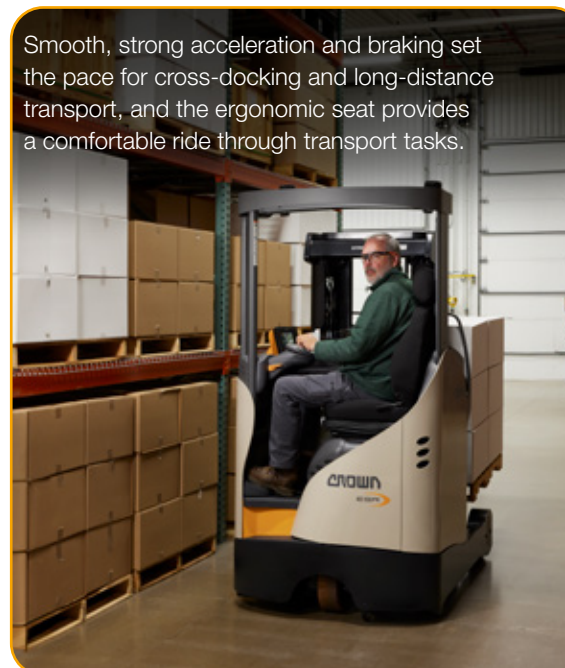
Performance

Performance from Dock to Stock

The ESR Series combines the visibility of the side-stance format with the comfort of a sit-down to withstand the abuse of dock work and operate in a narrow aisle for put-away tasks.



With excellent visibility and precise control, the ESR can position and move materials quickly and safely on the dock.



Smooth, strong acceleration and braking set the pace for cross-docking and long-distance transport, and the ergonomic seat provides a comfortable ride through transport tasks.



The clear view helps operators avoid truck or product damage as they maneuver for put-away tasks.

Work Smarter and Faster at Height

**XPRESS
LOWER**

Optional Xpress Lower technology can double lowering speed to improve cycle time and increase productivity. The operator spends less time waiting for the load to lower and more time moving pallets. This can lead up to *21% more productivity with Xpress Lower.

Up to
36%
greater mast
stability**

2x
faster lowering speed
with Xpress Lower

2640 lb
residual capacity at
472-inch lift height

*Controlled cycle comparison test

**Based on the mast-forward deformation, compared to previous mast design

Load Stability Comes Standard

The super duty mast on the ESR 1200 Series has been designed by Crown to offer one of the most stable lift platforms available. The solid steel construction resists flexing to reduce swaying even at high lift heights.

This offers many benefits including:

- ✓ Reduced loading and unloading times
- ✓ Higher throughput
- ✓ Improved operator confidence
- ✓ Added safety levels
- ✓ Low mast vibrations
- ✓ Lift heights up to 560 inches

Three different mast designs are available to ensure that each reach truck is equipped with the right mast for each application.



The mast enables better visibility at height due to angled crossbeam design. The settings of the reach truck's Gena operating system streamline acceleration, braking and smooth motion of reach function.

Automated Precision and Intuitive Control

The ESR 1200 Series stands out for its effective performance and ease of use. Built-in automation simplifies work tasks and reduces demands on the operator over a long shift without compromising performance.



The one-touch button provides simple yet precise operator control.

Optional Auto Height Select enables the forks to stop automatically at programmed rack heights using the one-touch button or on-screen selections. Precise, automated positioning helps prevent damage to products, racking and forklifts while simultaneously increasing throughput.

Easily program up to 7 rack heights for 9 zones in your facility.

Capacity Limit Alerts



Grey – load is below capacity and lift height limit



Yellow – load is approaching the lift height limit



Red – load exceeds capacity or is above the lift height limit

The optional Capacity Data Monitor shows accurate load weights, lift heights and capacity limits at a glance. Color-coded visuals alert the operator to stay within safe load limits.

Efficient System Longer Runtime

The ESR Series combines high productivity with outstanding energy efficiency.

This is possible due to the following:

- ✓ **Energy management** at the system level identifies more opportunities to reduce energy consumption.
- ✓ Features such as **e-GEN braking** and **regenerative lowering** convert kinetic energy into electric energy, which is then fed back into the system.
- ✓ The **vertically integrated manufacturing strategy** allows Crown to design system components such as the in-house manufactured AC motors for the ESR Series, rather than relying on off-the-shelf parts that are designed for mainstream use.

- ✓ Sensors integrated throughout the reach truck collect **real-time data** on operating conditions, control input and system output. High-speed processors and proprietary algorithms adjust operating parameters for efficient performance.
- ✓ Using a **V-Force lithium-ion** battery to replace a lead acid battery in combination with **regenerative lowering** enables an **energy saving of 30%** (application with 2000 lb weight and 440-inch lift height).



Cold Store Cabin

Operators work comfortably at temperatures as low as -22°F 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.

All-Around Visibility

Large windows and a unique third corner window give operators excellent visibility where it counts, contributing to safe, productive performance.

Robust Steel Construction

A special, profiled steel frame contributes to safe, durable performance.

Heated Windows

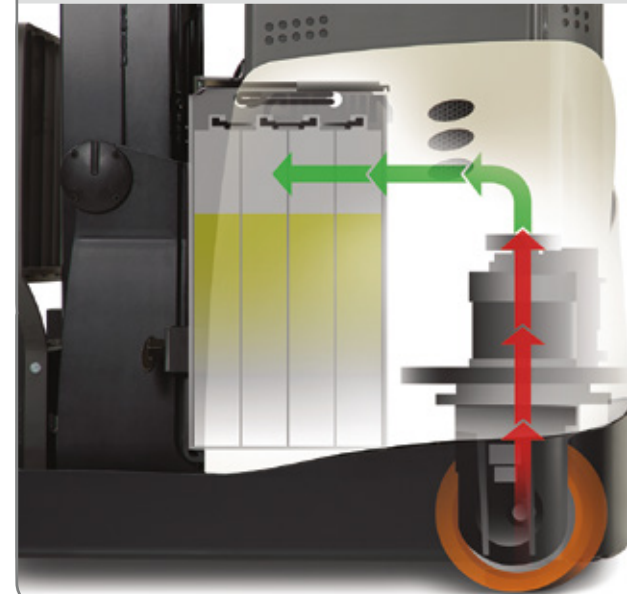
Heaters prevent frosted windows and feature an automatic cut-off. Bonded windows provide an airtight fit.

Wipers

Electrical wipers for front and rear windows, plus a manual roof wiper, ensure a clear view.

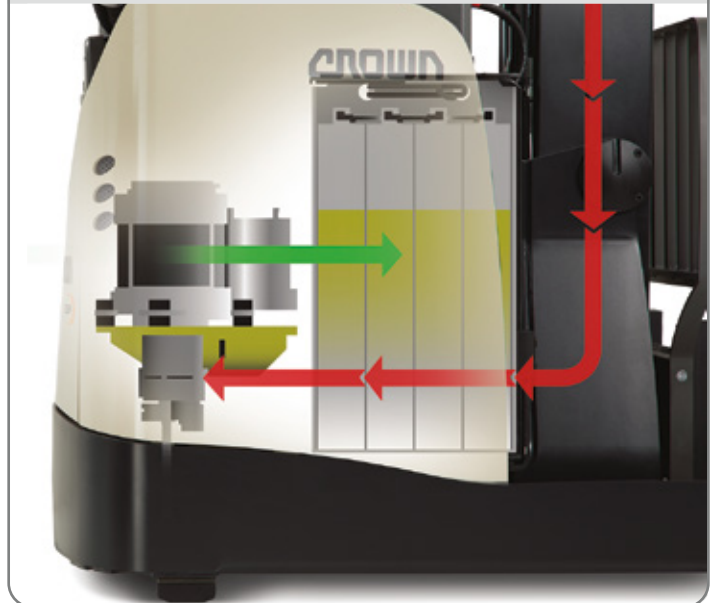
e-GEN Braking

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



Regenerative Lowering

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



Speed Reduction in Turns

Crown's intelligent system for speed reduction in turns recognizes whether the operator is driving into or out of a curve, analyzing steer tire angle, driving direction and steering direction, and automatically adjusts speed and acceleration for safety and performance.



OnTrac

Crown's patented OnTrac Anti-Slip Traction Control reduces tire spin during acceleration, plugging and braking. Crown's Gena operating system analyzes lift truck speed, wheel revolutions and driver inputs to optimize tractive performance and increase tire life. This proves particularly useful in wet, dusty or freezer applications.



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 optimizes truck performance and makes vital information easy to see, understand and use. It's dynamic, personalized and all within reach on a 7-inch color touchscreen.

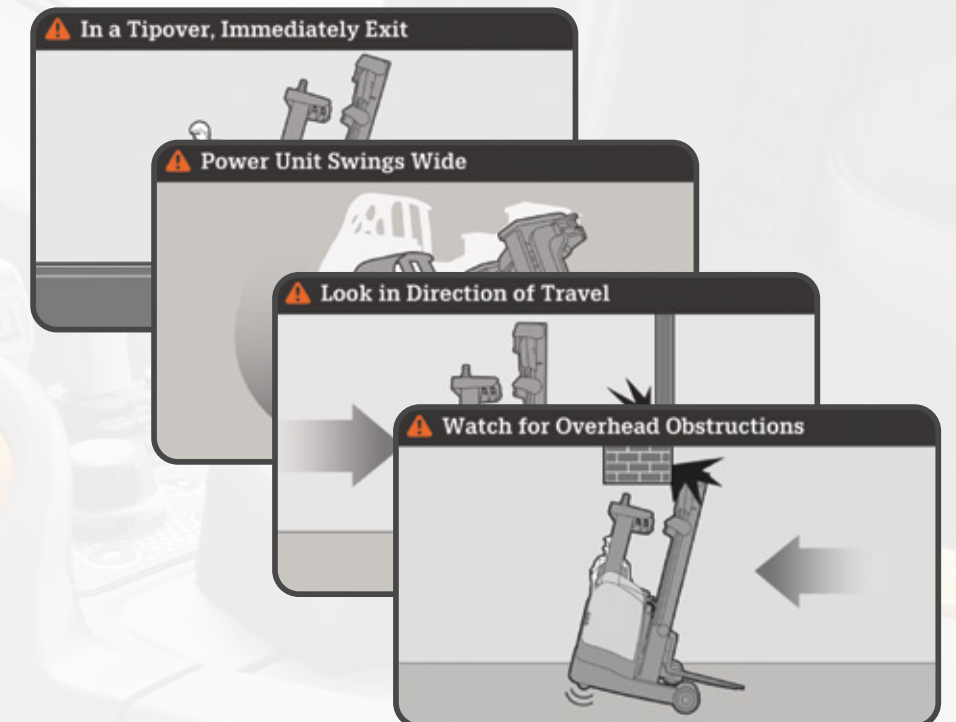
Multiple Languages,
so operators
can understand
each message

13+

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

Safety Reminders

The ESR Series regularly displays safety messages – illustrations and text – to reinforce operator training.



Designed for Operators

The ESR 1200 Series helps operators move with comfort and precision from one task to the next. Operators choose the optimal position for control, visibility and workflow, with confidence that increases productivity.

Control Options



Fingertip controls with moveable palmrest
– distinct functions



Dual-lever controls
– combined functions



Multitask 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 a 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 provides excellent visibility and a solid debris shield for productivity improvements.



Up Close, All Clear



Fork or mast camera options facilitate load handling and positioning.

Smarter Fork Leveling

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

Select
180° or 360°
steering to suit
your operators

The right fit, personalized for both small and large operators – operators benefit from optimized 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 tire rotation to match driving conditions or personal preference.

D4 ARMREST

The D4 Armrest provides operators the ability to achieve more:

Adjustability

– a full range of available adjustments

Ergonomic comfort

– a moveable palmrest and vibration dampening

Unique design

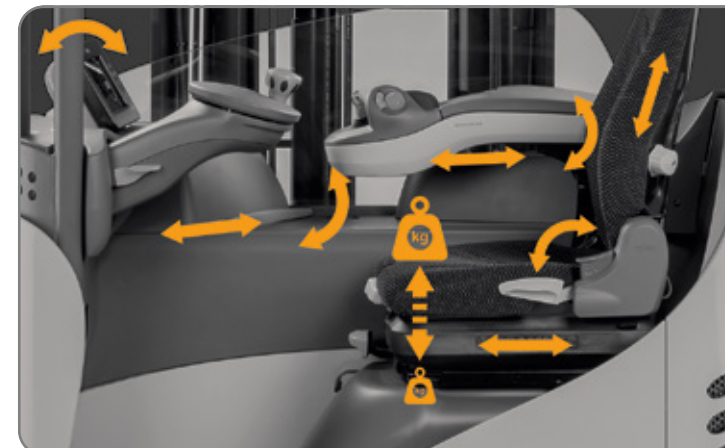
– a fin-shaped grip and navigation dial

Adaptability

– Three control options to fit the application and operator preferences.

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.

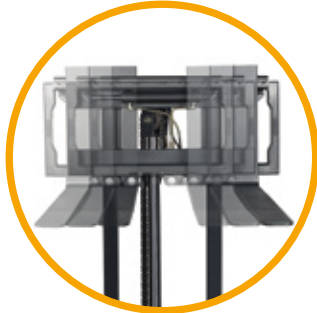


Optimized Versatility

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



Narrow Outriggers –
loads up to 40 inches wide will fit between the outriggers without increasing overall width of truck



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



Selectable Performance Levels –
five settings (three of them customizable) to meet operators’ personal preferences

Some features are optional.

Smarter, More Efficient and Reliable Reach Trucks

ESR 1220

Capacity

3000 lb, 3500 lb

Max. lift height

362 in

Mast Types

Tilting Mast: TL and TT masts Tilting Fork Carriage: heavy duty

Battery

Lithium-Ion: 296-518 Ah
Lead acid: 280-775 Ah

Overall width

44.1 in

ESR 1240

Capacity

3000 lb, 3500 lb, 4500 lb

Max. lift height

560 in

Mast Types

Tilting Mast: TL and TT masts
Tilting Fork Carriage: heavy duty, super duty, super duty +

Battery

Lithium-Ion: 296-666 Ah
Lead acid: 420-930 Ah

Overall width

50.6 in

ESR 1260

Capacity

3000 lb, 3500 lb, 4500 lb

Max. lift height

560 in

Mast Types

Tilting Fork Carriage: heavy duty, super duty, super duty +

Battery

Lithium-Ion: 296-666 Ah
Lead acid: 420-930 Ah

Overall width

50.6 in



ESR 1220

Available in 3000 lb and 3500 lb capacity, this narrow chassis model is ideal for confined spaces, block stacking applications and rack aisles only 95 in wide. Used for dock to stock.



ESR 1240

Available in 3000 lb, 3500 lb and 4500 lb capacity, this standard-width model is a value-packed solution that doesn't compromise on durability or operator comfort.



ESR 1260

Available in 3000 lb, 3500 lb and 4500 lb capacity, this truck is designed for more productivity and throughput in demanding high-bay applications, due to greater lifting and lowering speeds at height.

Smarter Technology Longer Uptime

Reach trucks are major investments in your operation’s productivity. Optimized uptime and performance are critical. That’s why Crown offers a combination of advanced technology, robust construction, and efficient energy solutions to deliver the serviceability and reliability required for success.

Service Simplicity

Easy-to-adjust settings or return-to-factory defaults save time for technicians.

Analyzer allows technicians to select individual system components and view all associated inputs and outputs.

Step-by-step calibration instructions with visuals improve technicians’ efficiency and consistency.

Easy-access covers, panels and skirt doors can be quickly removed or opened for inspection and service.

Separated electronics and hydraulic systems keep oil and heat away from electronics for improved long-term reliability.

Wireless software downloads keep lift trucks updated without technician intervention.



V-Force Lithium-Ion

Lithium-ion technology is revolutionizing the electric forklift industry by delivering game-changing advantages.



Power Up from a Single Source

From our expertise in power management to our complete line of V-Force energy solutions, Crown provides everything you need to power your forklift fleet. That adds up to more value for your business.

- ✓ Onsite evaluations
- ✓ Integrated solutions
- ✓ Batteries, chargers and accessories
- ✓ Fleet and battery management
- ✓ Complete support

Steel Where It Counts

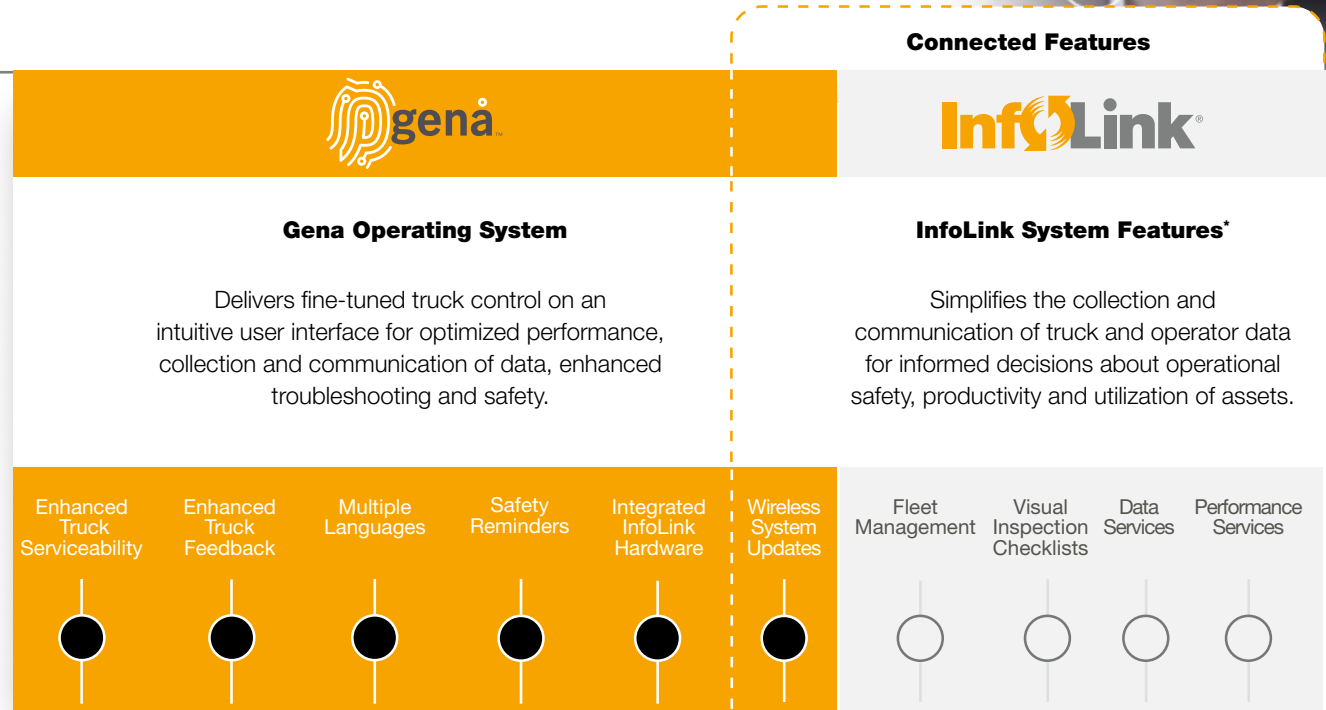
Crown’s ESR Series features a heavy-duty steel frame and steel covers, combining a rock-solid foundation with robust component protection for a longer lifespan.



Connected to Achieve More

Connected Solutions provide real-time, actionable data to stakeholders charged with achieving and maintaining gains in productivity, safety and utilization.

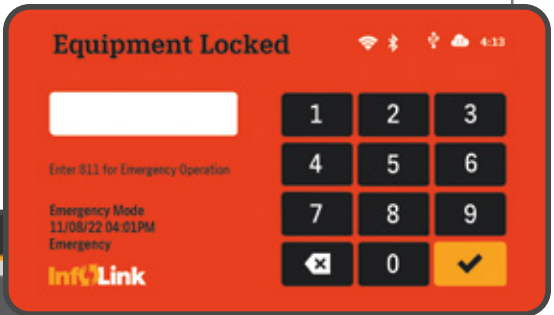
Thanks to the Gena operating system, the ESR 1200 Series comes with connected features as standard, plus options for additional features through Crown’s InfoLink operator and fleet management system.



Simplified InfoLink Integration

Crown’s InfoLink operator and fleet management system provides insightful data that can improve many aspects of lift truck usage, operator activity and operational effectiveness. This includes safety, service and compliance information that integrates with the Gena operating system to deliver enhanced safety features including:

- ✓ Visual Inspection Checklist
- ✓ Impact Detection
- ✓ Equipment Lockout
- ✓ Dynamic Coaching





Clean Environment. Smart Business.

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You can count on Crown to sell lift trucks designed for safe operation, but that's only part of the safety equation. Crown encourages safe operating practices through ongoing operator training, safety-focused supervision, maintenance and a safe working environment. Go to crown.com and view our safety section to learn more.

crown.com

Because Crown is continually improving its products, specifications are subject to change without notice.

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