

CROWN

SP 3200

Series



SP 3200

built for stockpicking

The SP 3200 Series is the operator's choice. Everything we do focuses on the operator, because that's what determines stockpicking performance. What matters more than anything else is the operator's confidence at heights. The SP 3200 Series is built for long-lasting value, with standard features sold as options on competitors' trucks. You benefit from the right set of performance features for your operators in your facilities. The SP 3200 Series offers plenty of solid evidence that it is designed to help the operator work more confidently and productively. This includes features for stockpicking efficiency, a large platform, superior visibility, masts designed for an extra measure of stability and substantial weight where it counts. Understanding your application's performance requirements is the first step. It's how you can find the ideal stockpicker to meet your application needs... with confidence.

Application Performance Requirements

Determine Travel Distance Requirements	STANDARD PERFORMANCE	HIGH PERFORMANCE
SP 3205 5.5 mph		
SP 3210 6.0 mph		
SP 3220 6.0 mph		
SP 3250H 6.5 mph		
Determine Maximum Platform Height*		
SP 3205 245"		
SP 3210 245"		
SP 3220 317"		
SP 3250H 371"		
Consider Lift Speed (TL Mast)		
SP 3205 45 fpm		
SP 3210 45 fpm		
SP 3220 80 fpm		
SP 3250H 80 fpm		
Determine Load Capacity @ Maximum Height		
SP 3205 3,000 lbs @ 240"		
SP 3210 3,000 lbs @ 240"		
SP 3220 3,000 lbs @ 240"/1,500 lbs @ 312"		
SP 3250H 3,000 lbs @ 240"/1,750 lbs @ 366"		
Consider Battery Capacity		
SP 3205 400 - 700 amp hours		
SP 3210 700 - 900 amp hours		
SP 3220 800 - 1,000 amp hours		
SP 3250H 900 - 1,100 amp hours		

*Actual pick heights are greater than platform height.

Series...

performance.

SP 3205

The SP 3205 sets the standard for stockpicker trucks of all types across the industry. The SP 3205 handles the same capacity under 20 feet as stockpickers designed for the most demanding, heavy-duty applications. Battery capacity satisfies typical full-shift stockpicking applications.



SP 3205



SP 3210

SP 3210

The SP 3210 meets the demanding requirements for the bulk of stockpicking applications. With a larger battery capacity, it provides greater power over longer durations. It also offers faster travel speeds.

SP 3220

The SP 3220 enhances productivity with standard two-speed raise and lower functions. Travel speeds of 6 mph are available on standard models, while a High Speed Travel Option increases the maximum speed to 6.5 mph.



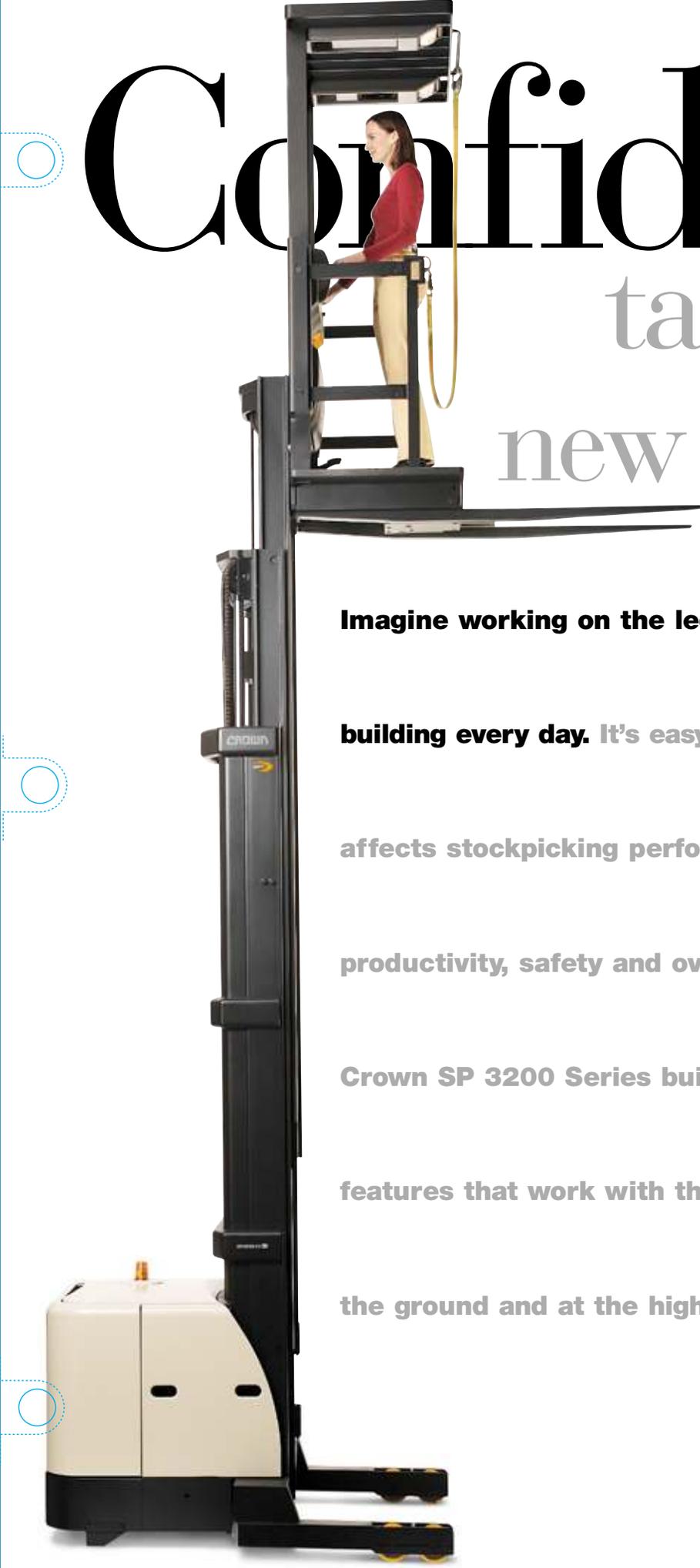
SP 3220



SP 3250H

SP 3250H

The SP 3250H offers higher capacities at height over any other manufacturers' stockpickers. It's specifically designed to deliver unmatched heavy-duty performance. In addition, its standard 4HP traction motor provides the necessary power for the most demanding applications with travel speeds up to 6.5 mph.

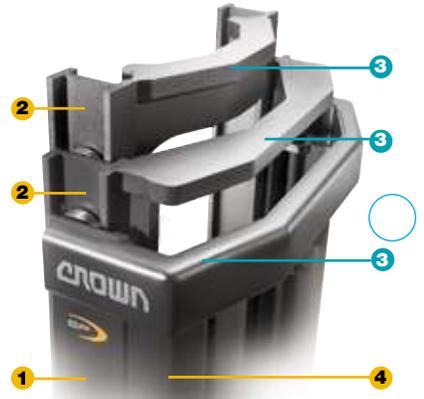


Confidence taken to new heights

Imagine working on the ledge of a three-story building every day. It's easy to see how confidence affects stockpicking performance, as well as productivity, safety and overall efficiency. The Crown SP 3200 Series builds confidence with features that work with the operator, both on the ground and at the highest elevations.

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Operators quickly notice the stability advantages of Crown SP 3200 Series Stockpickers over any others. Crown's unique **Load Path Stability Design** is the key to a solid foundation. It evenly distributes the force of the load from the platform through the frame and power unit, through the drive unit and to the ground. Unlike other stockpicker trucks, which incorporate plastic into much of the power unit, the SP 3200 Series uses heavy gauge steel in the skirt, doors and battery cover. This additional weight, combined with the heavy-duty mast, gives the SP 3200 Series substantial weight advantages over other manufacturers' trucks and further contributes to superior stability.



The mast plays a significant role in the design, delivering rock-solid stability for the operator at height. Key components include the combination of heavy gauge and wide outer **1** C-channels and inner **2** I-beams. This improves front to back operator platform stability. Massive **3** cross members tie the C-channels and I-beams together, reducing mast twist and sway. Exclusive vertical **4** mast braces stiffen the outer rails, minimizing lateral platform sway. Patented staging cushions on the operator platform reduce impact without slow-down when the mast elevates and stages.

The drive unit on the SP 3200 Series, proven in the most demanding applications on Crown's reach and turret trucks, also delivers performance and stability. Because most warehouse floors are uneven, Crown uses the largest and heaviest drive unit and drive tire (13") in the industry. It all adds up to the greatest capacity, stability and confidence at maximum heights.



The Physics of stability

Crown's Load Path Stability Design evenly distributes the weight of the load to the ground, resulting in unmatched comfort and stability at heights.



On many stockpickers, braking at higher elevations can easily shake the operator's confidence. Sudden stops while traveling at higher elevations may throw the operator off balance. The SP 3200 Series avoids this scenario altogether with Crown's exclusive Elevated Braking System (EBS). This innovative electronic system continuously monitors the operator platform height and automatically adjusts braking pressure to ensure proper braking at each level. Less braking pressure is applied at the highest elevations since truck speeds are automatically reduced at these heights. Optimum braking for the right elevation gives operators more confidence and better control, while eliminating abrupt stops and reducing platform sway. Stopping distance remains consistent at all three levels.

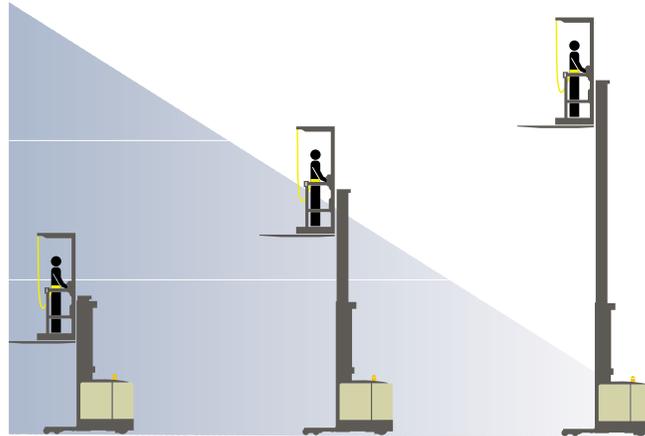
Optimum control at higher elevations

The SP 3200's directional controls offer additional stability and confidence advantages. Our fixed (non-pivotal) directional control handle, coupled with **four points of solid contact**, adds another degree of security at height.



The Crown Elevated Braking System applies optimum braking at elevations, eliminating abrupt stops and reducing platform sway.

Crown's patented EBS uses the SP 3200's speed and height sensors to determine the correct brake pressure. Key components in the spring-applied, electrically released braking system include an electronic brake module, magnetic coil and springs, brake pressure plates, brake pads and fan.



Full brake force is applied when the operator platform is under 60 inches.



Two-thirds brake force is applied at mid-range elevations, 60 to 150 inches.



One-third brake force is applied when the platform is raised above 150 inches.



The SP 3200 Series design focuses on how stockpicker operators do their best work, and the environment in which they do it. Exceptional visibility

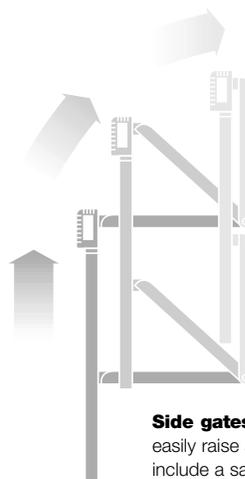
is key to building confidence on the SP 3200 Series. It's far superior to any truck in its class. The platform window offers the largest viewing area available for a clearer view of pick locations during forward travel. A clear visibility mast offers an unobstructed view when the platform is at lower elevations. As a result, operators can perform tasks faster, easily locating stock items before they reach them. The large platform gives operators more room to move. Side gates protect operators when and where they should, and easily move out of the way when not needed.

The information display provides key status data such as operator performance parameters, steering wheel position indicator, event and service codes, battery discharge indication and wire guidance status. Electronic power steering – standard on the entire SP 3200 Series – provides smooth, precise operation with little effort. Operators also benefit from sufficient storage areas for portable task tools, as well as Crown's optional universal clamp system for convenient mounting of fixed tools such as RF terminals and scanning guns.



The visibility windows provide exceptional visibility both through and outside the mast.

A platform that works with the operator



Side gates that easily raise and lower, include a safety interlock switch, allowing the operator to work more confidently.



The four points of solid contact on the SP 3200 Series, with right-hand fixed control, enhance operator stability and confidence.

Confidence for stability...

There's a reason why Crown and stability are synonymous. Crown understands that moving the human interface of lift truck operations from floor level to extreme heights demands a new level of confidence. Understanding that stockpicking puts the order picker in control of building a load that may not be uniform in weight distribution requires an extra measure of stability. Since 1964, Crown has been building stockpickers that have passed the confidence test of both the operator and management. Requirements to meet industry stability standards is a compliance test that all lift truck manufacturers must comply with. When it comes to Tilt Table Test requirements, Crown engineers test to a higher degree of tilt and add more dynamic factors than required. This extra degree of testing adds a margin of stability and confidence that sets Crown stockpickers apart from their competitors.

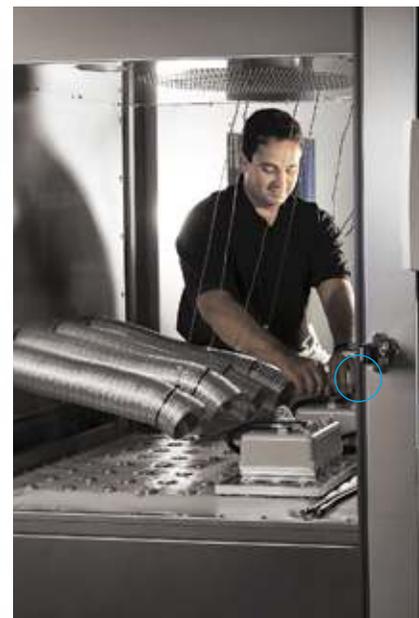
Reliability on the Crown SP 3200 Series family is a given. It's assured through the most comprehensive and rigorous testing in the industry at Crown's Vehicle Test Center and at our Testing and Measurements Laboratory, established in 1998. One example is our HALT (highly accelerated life testing) Chamber Tests, unique in the lift truck industry. They focus on the truck's electronic components – from circuit boards and LEDs, to switches, to control systems – and are used to extend and enhance the operational limits of the design. We also test electronic systems under extreme conditions such as humidity and temperature, vibration and thermal shock. Crown tests all facets of the truck to confirm our confidence, so you can be confident in your choice of Crown.

Tilt Table Test

Crown adds dynamic factors, substantially exceeding national standards in Tilting Platform Tests, resulting in industry-leading lateral and longitudinal stability.

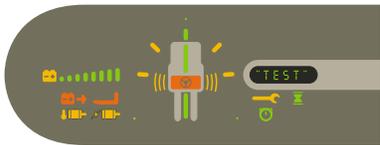
HALT Chamber Tests

Our highly accelerated life testing of the truck's electronic components ensures reliable operation under a wide range of extreme conditions.



put to the test...

and reliability.

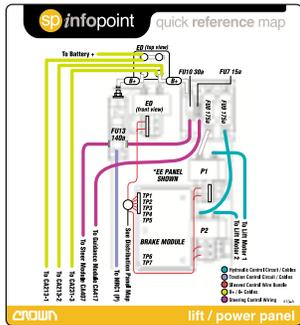
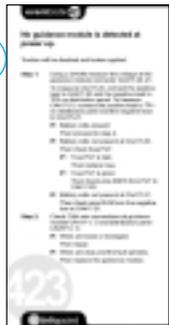


Faster, easier service on the SP 3200 Series is the result of an innovative system that simplifies service by providing the technician with convenient access to easy-to-comprehend,

critical information about the truck. It's based on the 3Ws, which tells your technicians where it is, what it is, and what it does. **SP InfoPoint** allows your technicians to troubleshoot without schematics, wiring diagrams or service manuals for over 95 percent of your repairs. Simplicity of service is assured through the SP InfoPoint Quick Reference Guide, component maps and information nuggets. These

nuggets, located throughout the truck, depict component location, function and working connections. We understand that truck uptime also means operator uptime and that the operator is the most expensive

factor in the total cost of ownership equation. Understanding this drives us to focus on helping service technicians bring the truck back to operation quickly by fixing it right the first time and fixing it fast. It all adds up to the lowest cost of ownership and superior value for you.



SP InfoPoint Quick Reference Guide simplifies service, helping technicians service trucks faster and more effectively with the 3Ws.



Crown's Uptime Equation

$$\begin{aligned}
 & \text{Building reliable components} \\
 + & \text{Ability to fix it right} \\
 + & \text{Ability to fix it fast} \\
 \hline
 = & \text{Uptime}
 \end{aligned}$$



SP 3205



Setting the standard

The Crown SP 3205 Stockpicker proves its value for elevations under 20 feet, giving you standard performance features that others sell as options. You may not need the power and size of a larger stockpicker, but you don't have to settle for low-end performance. The SP 3205 features the same 3,000-pound capacities as the rest of the SP 3200 family. And it shares the same drive unit and motor, platform and masts. So you can consider reliability, stability and performance a given.

Application	Local warehouse for electrical parts distribution
Aisle Width	120"
Top Beam	180"
Pallet Put-Away	RC 3000
Load Handling Device	Pallet

SP 3210



More performance all around

When your stockpicking tasks require extended or multiple shifts, the Crown SP 3210 offers greater battery capacity for longer run time. And faster travel speeds add to productivity as your usage levels increase. Greater battery capacity not only delivers longer run time, but also more power. That's why its standard performance features combine to satisfy the majority of stockpicking applications.

Application	Small parts picking/ third party logistics
Aisle Width	147"
Top Beam	198"
Pallet Put-Away	FC 4000
Load Handling Device	Custom pick-platform

SP 3220



Taking performance to new levels

As picking frequencies increase, you need a stockpicker that meets the demands. The SP 3220 responds with the ability to reach higher elevations faster with its two-speed raise/lower function. The SP 3220 also provides an additional six feet of platform elevation. An optional high performance motor gives you additional travel speed when needed.

Application	Regional warehouse for clothing industry
Aisle Width	60"
Top Beam	348"
Case Put-Away	SP 3200
Load Handling Device	Pallet

SP 3250H



Highest capacities at height

There's no doubt that the "H" in SP 3250H stands for "Heavy," because its heavy-duty performance meets the busiest stockpicking application requirements. The 4HP motor is standard, delivering speeds up to 6.5 mph. The SP 3250H offers big-time capacities of 1,750-pounds at 30.5-feet.

Application	Regional warehouse for auto industry
Aisle Width	72"
Top Beam	346"
Pallet Put-Away	TSP
Load Handling Device	Industrial cart

Work Assist accessories

A number of Work Assist accessories are available for the SP 3200 Series. All are carefully integrated into Crown's stockpickers to improve performance and satisfy your specific application needs.



Mesh Screen
Freezer Application

The mesh screen option can be useful in both hot and cold environments. It allows circulation of air in warmer facilities and avoids condensation build-up on the platform window in freezer applications.



**Work Assist Fan/
Light Package**

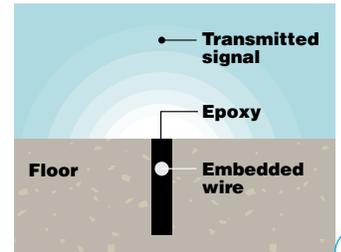
Platform options include a Work Assist fan/light package, a fire extinguisher, picking order clipboard and storage pocket. A mounting bar for RF terminals includes both the hardware and power connection (the RF terminal must be purchased separately).



Work Assist Fire Extinguisher

Crown also designs rail and wire guidance systems for the SP 3200 Series. Our rail guidance systems feature rugged, heavy gauge steel designed to take the day-to-day pounding typical of the most demanding applications. An audible alarm indicates when the truck enters and exits the aisle. You also may find benefits from performance enhancements offered by our wire guidance system. The system is integrated with the SP 3200 Series information panel, giving the operator instant access to status changes.

Your specific stockpicking requirements will help determine your ideal choice of options.



Crown's Wire Guidance System relies on a wire embedded in the floor to automatically steer stockpickers along a desired path.



Wire Guidance Components
Line Driver Unit and Truck Sensors



**Universal Accessory Clamp
and Mount Plate**



Poly Storage Module



**Universal Pad Clip
and Hook**



Rail Guidance System

SP48...

the standard for non-standard loads

The Crown SP48 Stockpicker family has earned the respect of Crown customers for its exceptional durability and performance in handling non-standard loads.

The SP48 family includes three models. The **15SP48** Fixed Platform Stockpicker easily handles long, oversized loads typically found in the

furniture industry. The **15SP48** Cart Handler Stockpicker features an open straddle design that can accommodate a variety of portable platforms to handle larger loads. Both of these trucks handle loads up to 96 inches in length and have a maximum capacity of 1,500 pounds at a 48-inch load center. The **30SP48** is designed for specialized picking carts or picking modules. It handles 3,000-pound capacities at a 24-inch load center up to 23 feet and 2,000-pound capacities up to 30.5 feet.



Crown 15SP48
Fixed Platform



Crown 15SP48
Cart Handler



Crown 30SP48
Counter-balanced/
Straddle



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