

**CROWN**

# **SP 3500** SERIES



# Elevate the total picking process.

The SP 3500 Series demonstrates Crown's order picking expertise, encompassing every step in the picking process for the total solution.

Engineered to smoothly move from pallet handling to picking at heights to transporting, the SP 3500 Series provides major productivity advantages

all shift long. Crown makes the difference with features that focus on

the most critical picking practices. Highlights include Access 1 2 3™

Comprehensive System Control, Intelligent Braking and Steering,

Load Path Stability, industry-leading ergonomics and more. Crown

offers measurable results with throughput improvements and long-term

savings. No one elevates the total picking process like Crown.

The search for **total productivity** starts and ends with the **Crown SP 3500 Series.**

# Built for confidence at heights...

Imagine working on the ledge of a three-story building every day. It's easy to understand how confidence affects order picking productivity, safety and overall efficiency. The Crown SP 3500 Series builds confidence with features that work with the operator, both on the ground and at the highest elevations.

Operators quickly notice the stability advantages of Crown SP 3500 Series order pickers over any other. Crown's unique **Load Path Stability (LPS) 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 order picking trucks, which incorporate plastic into much of the power unit, the SP 3500 Series uses heavy-gauge steel in the skirt, doors and battery cover. This additional weight, combined with the heavy-duty mast, gives the SP 3500 Series substantial load capacity advantages at height and further contributes to superior stability.

**Underside of power unit** includes massive bracing, heavy-gauge steel and replaceable bolt-on skid bars. Tandem load wheels are standard on all models.

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



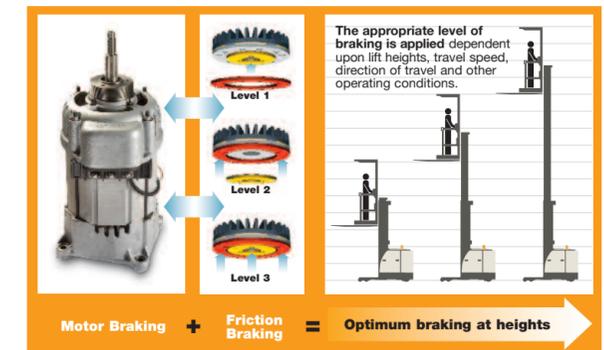
The SP 3500 Series mast delivers rock-solid stability and cushioned staging for superior operator confidence at height.

- 1 Heavy-gauge, wide outer C-channels and 2 inner I-beams provide superior front-to-back operator platform stability.
- 3 Massive cross members tie C-channels and I-beams together to reduce mast twist and sway.
- 4 Vertical mast braces stiffen the outer rails to minimise lateral platform sway.

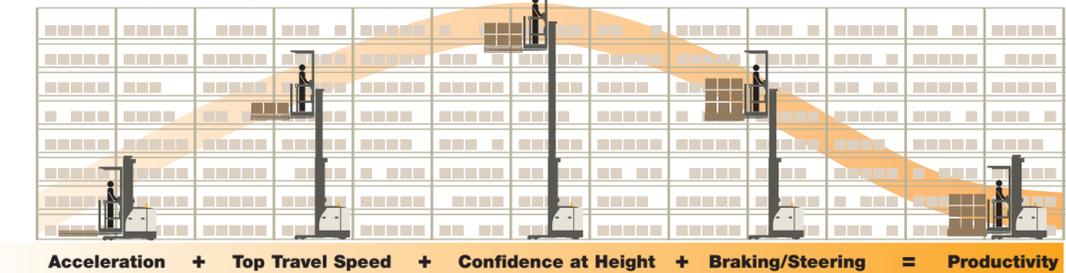
# with a productivity advantage.

On many order pickers, braking at higher elevations can shake an operator's confidence due to sudden stops that may throw the operator or load off balance. Crown's patented **Intelligent Braking System (IBS)** avoids this scenario by combining motor braking and friction braking. Access 1 2 3 Comprehensive System Control continuously monitors the operator lift height and other variables, automatically adjusting braking force to ensure precise braking at all heights.

Less braking force is applied at higher elevations where travel speeds are automatically reduced. Optimum braking for every elevation gives operators more confidence and better control, while eliminating abrupt stops and reducing platform sway.



## Productivity Advantage



**Productivity advantages add up with the SP 3500 Series.** During each function in the pick cycle, operators move ahead with a higher level of performance... and the confidence to use it.

The system of intelligent and smooth performance keeps operators working at optimum productivity levels pick cycle after pick cycle.

**At the end of the day, the SP 3500 Series pays off with more work accomplished.**



# Designed for comfort...

**The SP 3500 Series** design focuses on helping operators perform at their best in the environment in which they do it.

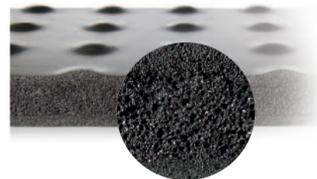
**It all begins with the exceptional visibility of the SP 3500 Series.** The platform window provides excellent visibility both through and outside the mast with a large viewing area for a clearer view of pick locations and intersecting aisles. Even at lower elevations, the clear view mast provides an unobstructed sight line, allowing operators to perform tasks faster and

more confidently, easily locating pick items before they reach them.

The large platform gives operators more room to move. Platform gates, integrated into the truck's control system, protect operators yet can be easily moved out of the way when not needed. Crown's premium anti-fatigue floor mat is designed on the basis of extensive ergonomic studies. It reduces the effects of vibration and standing fatigue, while enhancing operator stability.



**Four points of solid contact on the SP 3500 Series,** with right-hand fixed control, enhance operator stability and confidence at height.



# and greater control.

**Ergonomics drives design on the SP 3500 Series.** It accounts for every aspect of the operator-truck interface.

**The control layout** is based on proven ergonomic principles and confirmed by thousands of satisfied users. The operator benefits from a design that features four solid points of contact – a critical detail when the operator is driving in a standing position. The information display provides key status data such as truck operational parameters, steering wheel position indicator, event and service codes, battery discharge indication and wire guidance status. Electronic power steering, standard on the

entire SP 3500 Series, provides smooth, precise operation with little effort. Operators also benefit from sufficient storage areas as well as Crown's optional universal clamp system for convenient mounting of RF terminals and scanning guns.



**The SP 3500 Series is available in a variety of platform options** to match your application needs. Optional Load-Facing Operator Controls (shown) can offer performance benefits for certain applications.

# An innovative approach...



**You'll benefit from industry-leading performance and simplified service on the SP 3500 Series,** because it's engineered, manufactured and guaranteed by Crown.

**You can realise significant performance and cost-saving advantages with Crown.** It's directly related to a unique business structure and the highest level of vertical integration in the industry. Up to 85 percent of the components in Crown lift trucks, are manufactured in our own specialised factories.

## Access123<sup>®</sup> Comprehensive System Control

For example, Crown's exclusive Access 1 2 3<sup>®</sup> Comprehensive System Control enables safe, reliable lift truck performance. All lift truck systems are monitored in real-time to improve system performance. As conditions change, the truck uses this information to respond immediately with safe, optimised performance. Reliability is ensured because Crown controls every aspect of design, testing and manufacturing.

# to reliability and serviceability.

**Crown's focus on serviceability gives you more cost-saving advantages.** These include accessibility and placement of components, as well as our patented diagnostics system.

**Every SP 3500 order picker comes with the industry's easiest and most advanced service diagnostics.** With Access 1 2 3 there's no need to connect to an expensive laptop or a service handset to check the truck's status, fault history or to calibrate systems. Industry-leading reliability matched with exceptional serviceability assures the lowest cost of ownership for the SP 3500 Series.

In addition, the InfoPoint<sup>™</sup> System complements Access 1 2 3 to provide faster, simpler and higher

quality service by following a logical, easy-to-understand troubleshooting process. Component maps and information nuggets located throughout the truck depict component locations, function and working connections. As a result, service engineers can quickly and accurately resolve issues without schematics, wiring diagrams or service manuals on most repairs.



**Top battery access system** eliminates the difficulty of removing batteries to add water, check electrolyte levels, measure voltage and perform other routine maintenance.

**Unmatched reliability and performance on the SP 3500 Series** results from Access 1 2 3 which links key lift truck systems, all manufactured by Crown.

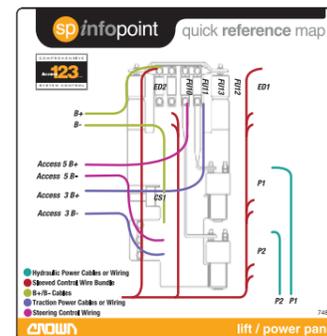
Traction Module

Steering Module

Guidance/EAC Module

Display Module

Vehicle Control Module



Example Only

# Flexibility for a



## Fixed-Fork Order Pickers

**Fixed-fork order pickers are ideally suited for picking bulky, oversized items or where extended platforms and industrial carts are used in place of pallets.**

## Lifting-Fork Order Pickers

**Lifting-fork order pickers allow the operator to vary load height to reduce the need for reaching and bending. This can be especially beneficial when the orders consist of many small or heavy items, or where partial-pallet orders are picked.**

# variety of applications.



**SP 3511**  
1250 kg load capacity



**SP 3521**  
1250 kg load capacity

### Setting the **standard.**

The SP 3511 fixed-fork and SP 3512 lifting-fork order pickers prove their value for platform elevations up to 6.3 metres. You may not need the power and size of a larger order picker, but you don't have to settle for low-end performance. The SP 3511 and SP 3512 feature the same drive unit, platform and mast as the rest of the SP 3500 family.

### More **performance** all around.

The SP 3521 fixed-fork and SP 3522 lifting-fork order pickers meet the toughest order picking performance demands with platform elevations up to 9.4 metres. The SP 3521 and the SP 3522 offer faster lift speeds to reach higher elevations quickly.



**SP 3512**  
1000 kg load capacity



**SP 3522**  
1000 kg load capacity

# Performance enhancing options.

A number of options are available for the SP 3500 Series. All are carefully integrated into Crown's order pickers to improve performance and satisfy your specific application needs.



**Mesh Screen**



**Platform extension** Hinged side and rear gates



**Load-Facing Operator Controls**



**Backrest** for Load-Facing Operator Controls



**Zone Select Key Switch**  
Allows secure setting of three pre-selected lift limits.



**Wire Guidance Components**  
Line Driver Unit and Truck Sensors



**Aisle Guide Rollers**



**Work Assist™ Accessory Plate**



**Work Assist Accessory Pocket**



**Clip Pad and Hook**



**Adjustable Spotlight**



**Fan/Light Package**

# SP 3500 Series. The total solution.

The SP 3500 Series gives you a value advantage that adds up to the lowest cost of ownership. It's not just about comparing lift trucks. It's about comparing the total value.

Your advantage begins with the productivity-enhancing features of the SP 3500 Series. Add up the value you'll receive with the integration of Access 1 2 3® technology, powerful Crown-built motors and Load Path Stability (LPS) design, as well as numerous ergonomic features. It's all about giving operators industry-leading performance they can safely use.

Consider Crown's unique philosophy of vertical integration that ensures the quality of all critical components and systems are strictly controlled by Crown.

Support is another significant area of value. The SP 3500 Series is backed by a complete system of support with Crown Integrity Parts™ and service. Crown's extensively-tested components and systems, combined with a responsive and qualified distribution network, give you a proven way to reduce labour and parts replacement costs.

Your system of support includes facilities located around the world with the latest equipment and tools, service expertise, complete product and part inventories, well-stocked service vehicles and more.

Contact your local Crown distributor to get all the facts on your value advantage. When it comes to the bottom line, the SP 3500 Series gives you superior performance at the lowest cost of ownership.

Any way you stack it,  
the SP 3500 Series  
adds up to a total  
productivity solution.





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