

CROWN

TSP 6500
TSP 7000
SERIES



SET A NEW PACE

WITH THE TSP 6500/7000 SERIES.

When it comes to running your warehouse, every day is a race to move more product, optimize operator productivity and maximize truck performance.

With Crown turret trucks, you'll set a leading pace that establishes new standards in throughput in your operation.

See how the Crown TSP 6500/7000 Series can help you go faster, reach higher, save energy and give operators more control than ever before.

TSP 6500/7000 Series: The New Standard in Throughput.

Visit crown.com
See the TSP 6500/7000 Series

MOVE FASTER ▼

Now, with the TSP 6500/7000 Series, you can expect breakthrough speeds and energy savings.

- **Speed:** The fastest lift and travel speeds ensure more cycles completed.
- **Energy:** Crown's energy-reclaiming lower and braking systems translate to longer run-times and lower energy costs.

Lift Speed



Travel Speed



TAKE CONTROL ▼

It's a fact: comfortable and confident operators are more productive.

- Exclusive **MoveControl® Seat** positions the operator for the task.
- Intuitive, integrated **controls** build confidence at every move.
- **Work Assist® Accessories** make tasks easier and operators more productive.



◀ GO HIGHER

With the Crown MonoLift™ mast, rock-solid stability is delivered all the way to **675"** for a 31% increase in usable space.



DO MORE ▶

In very narrow aisles, Crown turret trucks have the versatility to solve many warehouse challenges.

- Perform in environmentally challenging spaces including freezers and coolers.
- Handle a variety of applications from case picking to push back rack.
- Allows for easy navigation through tunnels and other low overhead obstructions.



◀ KEEP GOING

Crown turret trucks combine proven durability and innovative technologies for more uptime, easier service and significantly lower operating costs.

- **Access 1 2 3®** Comprehensive System Control optimizes truck performance and provides pinpoint diagnostics that minimize downtime.
- **Steel doors and panels** protect vital truck components.
- **Easily accessible components** simplify maintenance and service.



MOVE FASTER

WITH LEADING PERFORMANCE.

The name of the game in warehousing is throughput. So when Crown designed the new TSP 6500/7000 Series, we focused on features and innovations that improve every aspect of throughput—throughout the cycle.

- **Faster lift, lower and travel speeds** enable the truck to perform at an optimum pace during every phase.
- **Efficient load handling features**, including precise, integrated controls, improve productivity and throughput.
- **Substantial energy regeneration** improves run-time and lowers energy costs.
- **Larger batteries** provide up to 50 percent more power for improved truck performance and battery life.
- **Better maneuverability** promotes safe and efficient aisle changes.

Learn how Crown's TSP 6500/7000 Series **Total Cycle Performance** can help you move faster and accomplish more.

◀ AISLE-CHANGING AGILITY

Efficient aisle changes affect overall cycle results. With Crown's three-wheel design, fine-tuned steering and exceptional visibility, the TSP 6500/7000 achieves total cycle performance in and out of the aisle.

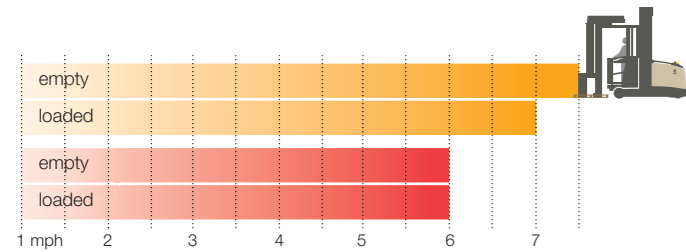


OPTIMIZE THROUGHPUT...

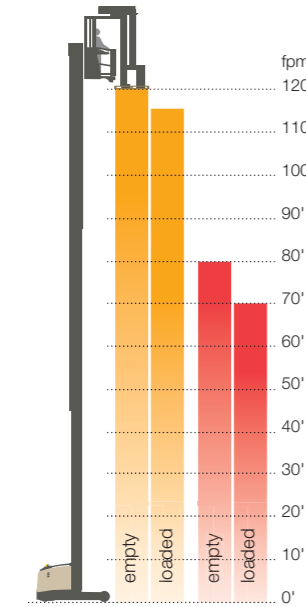
The most obvious way to gain throughput is to increase speed. The Crown TSP Series delivers with breakthrough travel, lift, pivot and traverse speeds. Unlike other brands, we've also engineered-in energy efficiency and longer shift life for even greater throughput.

GAIN SPEED ▾

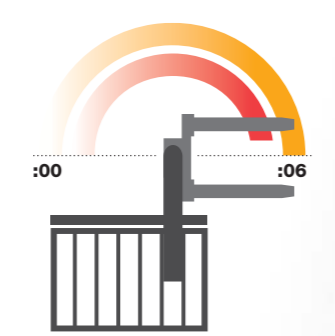
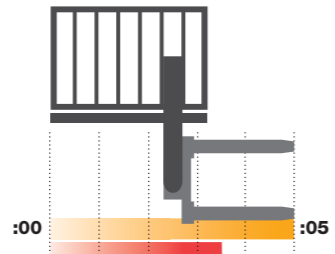
Lifting a loaded platform is where cycle speed is won or lost. With the TSP 6500/7000 Series, users achieve a **41% advantage** in lift speed. Add in faster travel, pivot and traverse speeds, and you get **Total Cycle Performance**.



Faster travel speed means trucks get to the pick slot quicker, for a 25% advantage.



Main lift speed (empty) is 120 feet per minute, providing a 41% advantage over the competitor.



GET AT IT ▾

In turret applications, getting to the pick slot is half the battle.

With industry leading **travel and lift speeds**, no one gets there faster than Crown. Factor in features like **exceptional visibility and control** and you can get at it fast—with precision and confidence.

HANDLE IT ▾

Now, take control with exceptional load handling features.

The fully-adjustable **MoveControl Seat** orients the operator to efficiently handle the load. Plus, **integrated controls** built into the armrests, allow pinpoint precision and the ability to **blend** multiple functions simultaneously.

Superior traverse and pivot speeds keep things moving—fast. In addition, the **MonoLift mast** delivers a **solid and stable platform** to boost operator confidence.

FOCUS ON THE CYCLE ▾

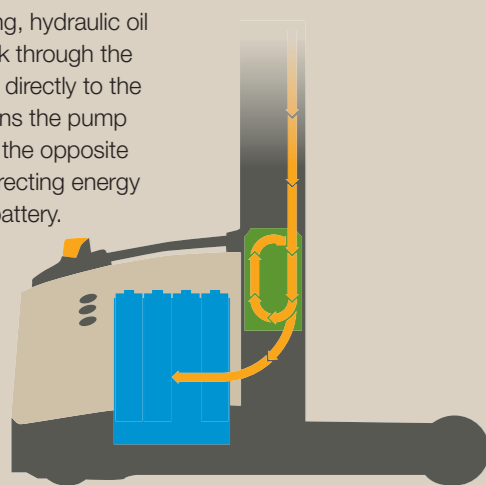
Only Crown's comprehensive **Total Cycle Performance** approach enables users to set a new pace in every aspect of the cycle:

- Faster moves
- More loads
- Greater profits

ADD ENERGY EFFICIENCY ▾

Crown's Regenerative Lower System captures lost energy and returns it to the battery. This equates to fewer battery changes, longer shifts and reduced costs. It's like getting a 15% bonus with every charge.

When lowering, hydraulic oil is forced back through the pump versus directly to the tank. This turns the pump and motor in the opposite direction redirecting energy back to the battery.



EXTEND YOUR SHIFT LIFE ▾

It's time to rethink your battery strategy.

A wide range of battery options on the TSP 6500/7000 Series allows users to get the best of all worlds: performance, efficiency and shift life.

Larger batteries provide access to more power, fewer battery changes and longer shift life. They also contribute to handling higher capacity loads at height for extended periods of time.

Model	TSP 7000		TSP 6500	Competitor
Voltage	80 V	72 V	48 V	48 V
Battery Size	AA	N/A	43.1 kWh	43.1 kWh
	A	47.9 kWh	50.3 kWh	50.3 kWh
	B	59.9 kWh	57.5 kWh	N/A
	C	71.9 kWh	71.9 kWh	N/A
	D	83.9 kWh	N/A	N/A

FINISH IT ▸

Pick up time and energy savings with every let down.

The TSP 6500/7000 Series' **lower speeds** assist operators in letting loads down fast. **Travel speeds** increase as the platform is lowered for smooth optimal performance. And, with **regenerative technology**, energy is returned to the battery with each lower, saving valuable energy and battery life.

...WITH CROWN'S
TOTAL CYCLE PERFORMANCE



GO HIGHER

WITH UNMATCHED STABILITY AND HEIGHT.

To fully utilize your warehouse, you need a truck that has the backbone to reach for more. That's why Crown designed the MonoLift™ mast to go higher, be more stable and handle the non-stop pressures of turret applications.

TSP 6500/7000 Series: Reaching new heights.

675"

With operators and loads up to 675" or six stories in the air, stability is key. Crown's MonoLift™ mast does the job so your operators can focus on theirs.

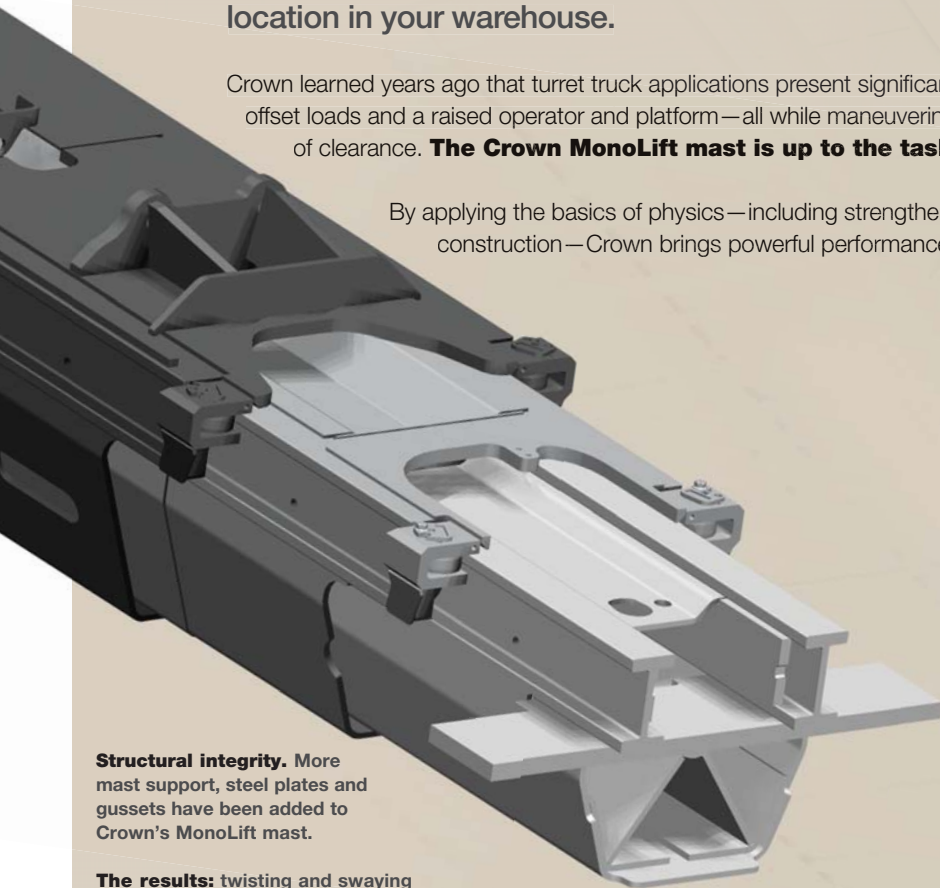


IT COMES DOWN TO THE MAST

Crown's exclusive MonoLift mast makes it possible to move unprecedented capacities to impressive new heights. This results in slotting flexibility that maximizes every pallet location in your warehouse.

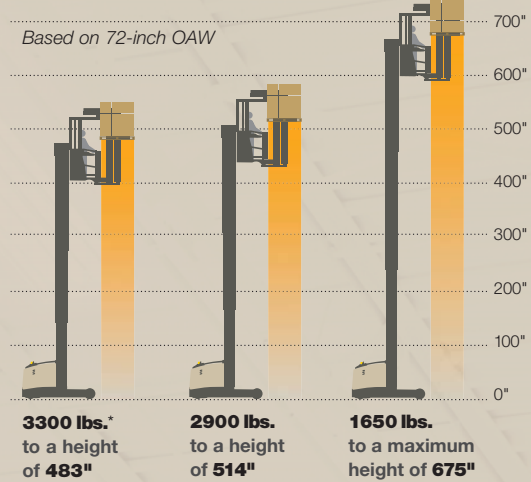
Crown learned years ago that turret truck applications present significant engineering challenges: extreme heights, heavy offset loads and a raised operator and platform—all while maneuvering loads in a tight aisle with less than 6 inches of clearance. **The Crown MonoLift mast is up to the task.**

By applying the basics of physics—including strengthened boxed-in sections and heavy-gauge steel construction—Crown brings powerful performance and stability to turret applications like no other.



Structural integrity. More mast support, steel plates and gussets have been added to Crown's MonoLift mast.

The results: twisting and swaying are significantly minimized—especially when compared to traditional, dual-upright mast construction.



*Maximum capacity

High and mighty. Lift more weight at higher heights than ever before with the TSP 6500/7000 Series. Imagine the throughput gains and flexibility in your warehouse when you have fewer capacity constraints—slotting heavier loads most anywhere in your operation.

MAKE EVERY INCH COUNT

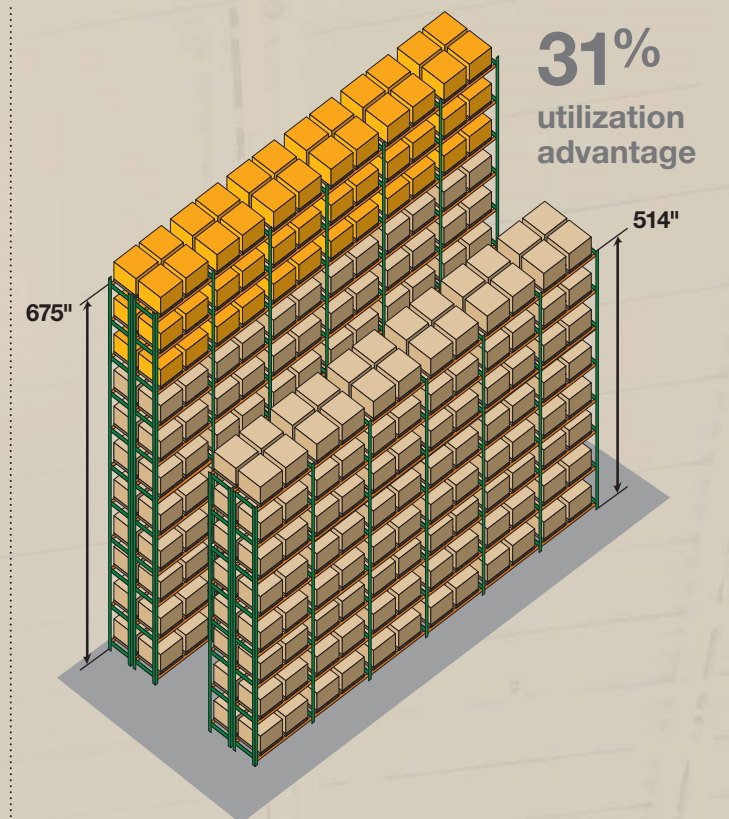
Gain up to 31% more storage capacity utilization with the Crown TSP Series. How would more pallet positions impact your bottom line?

With warehouse space at a premium, especially in freezer applications, businesses need efficient solutions to maximize cube utilization.

Turret trucks have always taken advantage of narrow aisles to maximize pallet positions. Now, with 675" of lift height, operations can achieve even more utilization by going higher.

Fact is, it is less expensive to gain pallet positions by going up rather than expanding the warehouse footprint.

This "elevated thinking" all stacks up to lower costs and more profits.



Money-saving opportunity. In many applications, going from 8 levels to 11 levels with Crown equals nearly 31% additional storage capacity. In turn, this translates to a third more usable warehouse space.

MAST OPTIONS ▼



Standard (TN) & (TF) reaches heights of 495" and 459" respectively.



Triple-Stage (TT) reaches heights of 675". With its extremely low collapsed height, the triple-stage mast option gives unmatched flexibility.



CROWN ROOM

WARNING

CROWN

TAKE CONTROL

WITH UNSURPASSED ERGONOMICS AND COMFORT.

Turret truck users spend their entire shift in the driver's seat. To make the most of every minute, Crown's TSP Series operator compartment is flexible, comfortable and safe. In fact, operators tell us it is simply the most ergonomically advanced, most comfortable turret truck in the world.

Control and comfort: The foundation of operator productivity.

DRIVER'S SEAT

Crown provides unmatched flexibility and comfort with the **MoveControl® Seat**. Its integrated controls and full adjustability support every operator move.



Cushioned armrests can be adjusted to a number of preset positions to meet the needs of the operator and the task at hand.



Height adjustability is one more way the Crown MoveControl Seat can be easily adapted to each individual operator.



110° flexibility

Based on extensive human factors studies, the Crown TSP 6500/7000 Series provides the most accommodating operator compartment. In fact, the design doesn't limit the operator position. Instead, it gives four-position adjustability for individual comfort and control.

OPERATOR-CENTRIC DESIGN ▼

Crown's turret compartment is the office of busy operators. So, we thought ahead and maximized space and function right down to the storage compartments.

1. Foot-activated service brakes respond to downward pressure—mimicking automotive braking.

2. Integrated armrest controls provide shift-long arm support and easy access to controls, unlike some competitor models that require operators to outstretch their arms for long durations.

3. Multiple storage compartments provide much needed, convenient storage for tools and other operator needs.

4. Switch panel is easily accessible and provides fan and light control.

5. MoveControl Seat allows for four seated and one stand up positions for optimum visibility and comfort.

6. Presence pedals require operator feet in proper position before activation.

7. Anti-fatigue floor mat features a microcellular composition to reduce discomfort/back stresses.

8. Work Assist Rail provides support for the operator when building pallets in a picking application.

9. Side gates need to be lowered for operation and provide postural support for operators when order picking.



Work Assist® Accessories add even more productivity to each shift. Standard accessories include LED work-lights, dome lights, mirrors, fans and more. Additional accessories are available as options based on your application and operator requirements.



SMOOTH AND PRECISE

Precision is critical when moving heavy pallets six stories above the ground. That's why the TSP 6500/7000 Series equips operators with intuitive, blended controls that provide razor-sharp precision on demand.

The innovative steering tiller, another Crown exclusive, can be operated with the finger divot or via a flip-up tiller knob.



Crown's multi-task controls, which offer blending of primary functions, improve productivity with their intuitive, operator-centric design.



The sloped power unit design and flexible seat positions give the operator a clear view of the aisle, improving maneuverability and operation in and out of the aisle.



Tasks that benefit from standing are efficiently accomplished with a seat that folds up and controls that adjust to the ideal operator height.

DO MORE

WITH ONE POWERFUL, VERSATILE MACHINE.

Though turret truck applications are often highly specialized, the truck you choose shouldn't be limited to one task. That's why we designed the TSP Series to be flexible enough to handle a range of needs from environmental cabs that make freezer work more comfortable to narrow rail platforms that simplify floor-picking.

The TSP 6500/7000 Series: One truck. Many solutions.

COLD STORAGE OPTION ▶

The spacious enclosed cabin of the TSP Series creates a comfortable work environment in temperature extreme applications. The cab also affords exceptional visibility that contributes to operator productivity and shift endurance.



FULL RANGE OF APPLICATIONS

The TSP 6500/7000 Series can easily accommodate a variety of application needs:



FLOOR PICKING: The narrow front rail was designed for floor picking applications (as shown above). With this feature, operators get on and off the truck in tight aisles quickly, safely and easily.



LONG LOADS: Extended load handlers on the TSP Series can handle loads in excess of 100" such as furniture, construction materials or mattresses (as shown above). The optional fork positioner helps in applications with varying pallet sizes.



NAVIGATING LOW AREAS: Crown's TT Mast Option provides extreme lift heights and low collapsed heights all in one. This allows very tall trucks to easily navigate tunnels (as shown above) and other obstructions such as conveyors and mezzanines.



PICKING: Sturdy steel side gates and clear front rail reduce the need for operators to bend or lean when retrieving product from the rack or placing it on a pallet (as shown). In addition, the rails can be used to support the weight of the product as it is transferred from rack to pallet.



PUSH BACK RACK: Powerful traverse motor allows multiple pallets to be "pushed back" on rolling carts for increased pallet density. Optional tilting forks (as shown above) further simplify pallet entry by matching the angle of the rolling carts.

KEEP GOING

WITH PROVEN TECHNOLOGY AND SERVICE EASE.

Turret trucks are major investments. So, you should expect uptime and optimum performance day in and day out. That's why proven technology, steel-enforced durability, ease of access and serviceability have been design priorities for Crown that pay off for customers.

Bottom line: with Crown, you can expect the lowest operating cost per hour in the industry.

UPTIME MADE SIMPLE

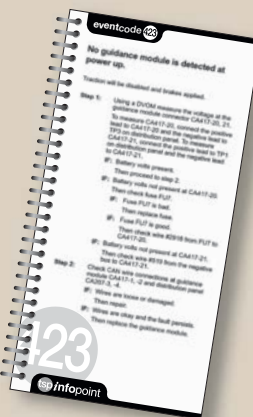
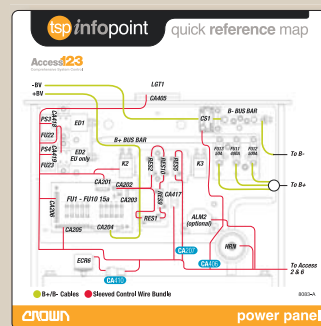
The Crown TSP 6500/7000 Series employs integrated technologies that optimize performance, energy consumption and uptime.

And, with Crown's Access 1 2 3® common electronic architecture integrated across the full line of trucks, it's easy for technicians to diagnose, maintain and repair it right the first time. Fast.

Access123®

Access 1 2 3® Comprehensive System Control integrates every system on the truck and provides real-time information to optimize safe performance and uptime.

tsp infopoint



The TSP 6500/7000 Series InfoPoint® Quick Reference Guide helps technicians service trucks faster and more effectively by providing them with what the problem is, where it is on the truck and what it does.



DURABILITY INSIDE AND OUT

One look tells you that the TSP 6500/7000 Series is built for long-term reliability and simplified component accessibility.

The strength of steel supports long-term truck endurance—while carefully placed components optimize access and serviceability.

The TSP 6500/7000 Series is designed to allow direct access to individual components without having to remove others. This level of access, which improves serviceability and saves time, is often lacking on competitor's trucks.

Top battery access provides fast in-truck battery maintenance, while battery rollers with ball bearings enable easier and faster battery changes.



Steel where it counts. Unlike many competitor turret trucks, Crown's TSP 6500/7000 Series uses steel covers adding more protection of components for longer truck life.

Easy, no tools required. The front, side and top covers of the TSP can be quickly removed or opened without tools.

Separation of electric and hydraulic systems keeps oil and heat away from electronics for better long-term reliability.



LEADING-EDGE TOOLS ▼

InfoLink®

Access to accurate, real-time information increases the efficiency and effectiveness of your operations.

InfoLink®, the robust wireless data management solution from Crown, gives decision makers intuitive dashboards summarizing key operator and fleet statistics including battery usage, impact history, truck utilization, service needs and more. It also identifies opportunities for corrective action—via laptop or other mobile devices.

As a result, managers are fully armed to tackle problems and tap into emerging opportunities as they occur for more efficiency and better cost control.



SET NEW STANDARDS

WITH THE TURRET TRUCKS THAT SET THE PACE.



MOVE FASTER with greater overall speeds for maximized throughput and minimized cycle times.



675"

GO HIGHER with the industry's only MonoLift™ mast for access to higher spaces for profit-enhancing cube utilization.



TAKE CONTROL with Crown's comfortable cab design, MoveControl® Seat and accessible, precise controls.



DO MORE in a wide variety of applications with the ready and responsive TSP 6500/7000 Series.



KEEP GOING with unmatched durability through generous use of steel, component accessibility and pinpoint diagnostics.

TSP 6500/7000 Series: The New Standard in Throughput

See the performance first hand—ask your Crown sales representative for a demonstration today.

Visit crown.com

See the TSP 6500/7000 Series



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You can count on Crown to build 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.

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

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