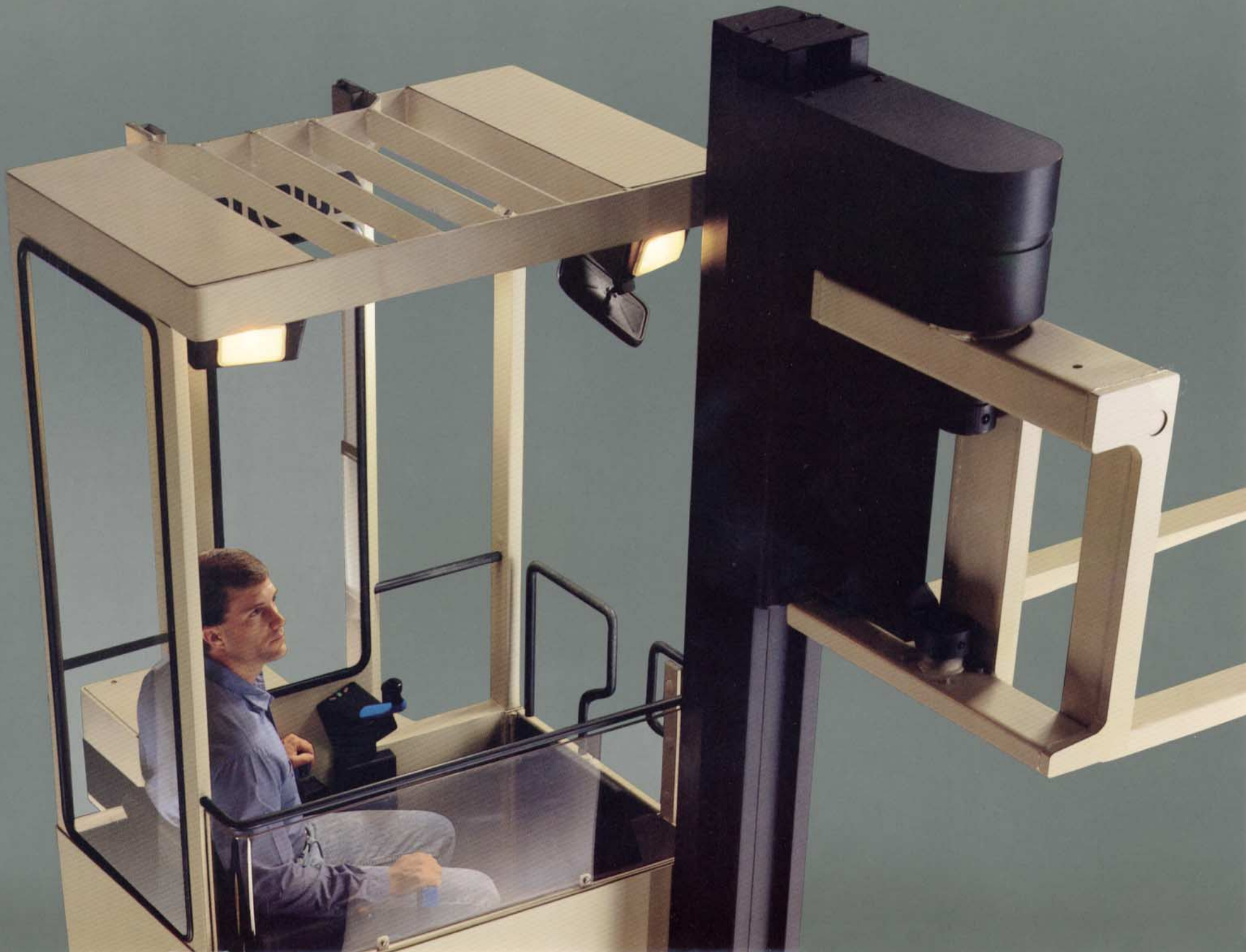


**CROWN**

**Turret  
Sideloader**





CROWN

CROWN





## **Crown TS: A Difference In Productivity**

One day's work load of full pallets...a warehouse with 42-ft racks...an operator.

Crown started with just those factors—the pallet load, the warehouse and the operator—when they designed their Turret Sideloader.

The result is a high-output, heavy-duty machine that handles loads up to 4000 lbs and reaches rack beams 42 ft in the air. It's a machine that keeps setting new standards for durability and pounds moved per shift.

### **"Man-Up" Moves More Loads, More Easily**

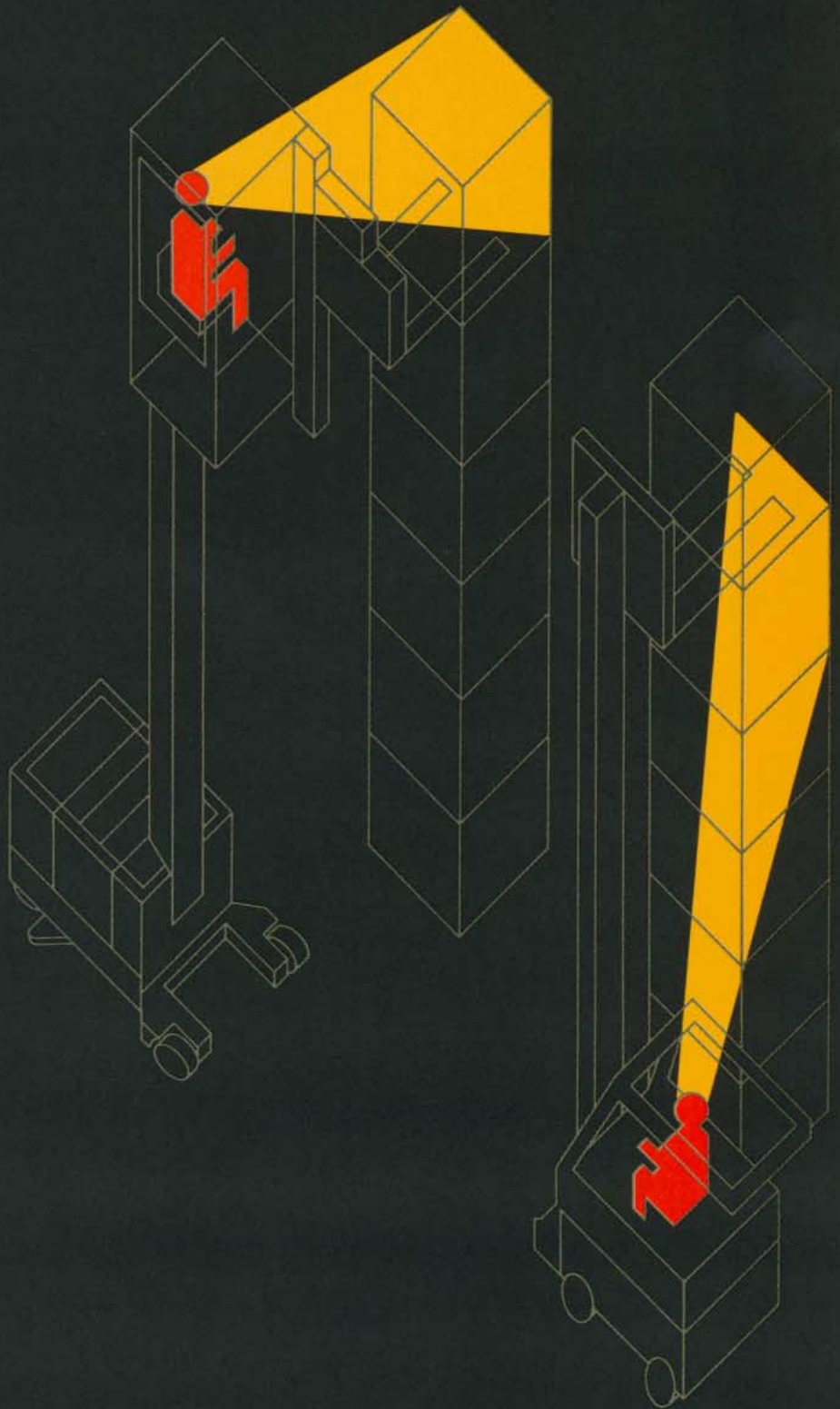
One big reason for moving more loads more easily is that the Crown TS puts the operator up where the forks, loads and pallet positions are. And that invariably leads to higher productivity, more loads moved in less time.

Because he can see the rack beam so easily, the operator can position the pallet precisely. Even when the load has shifted or the rack is a little out of alignment, there is less chance for damage to product, pallet or rack.

In fact, the Crown TS gives him 81" of auxiliary lift, so he can see the far lower corner of the pallet, making him even more accurate in load placement. You don't need load positioning sensors with the Crown TS.

Even inventorying is faster with the "man-up" Crown TS. Operators can use bar code scanners all the way up to the top.

The Crown TS is the one pallet loader that keeps your output high from floor level to 42 ft.



## The Truck For Any High Efficiency System

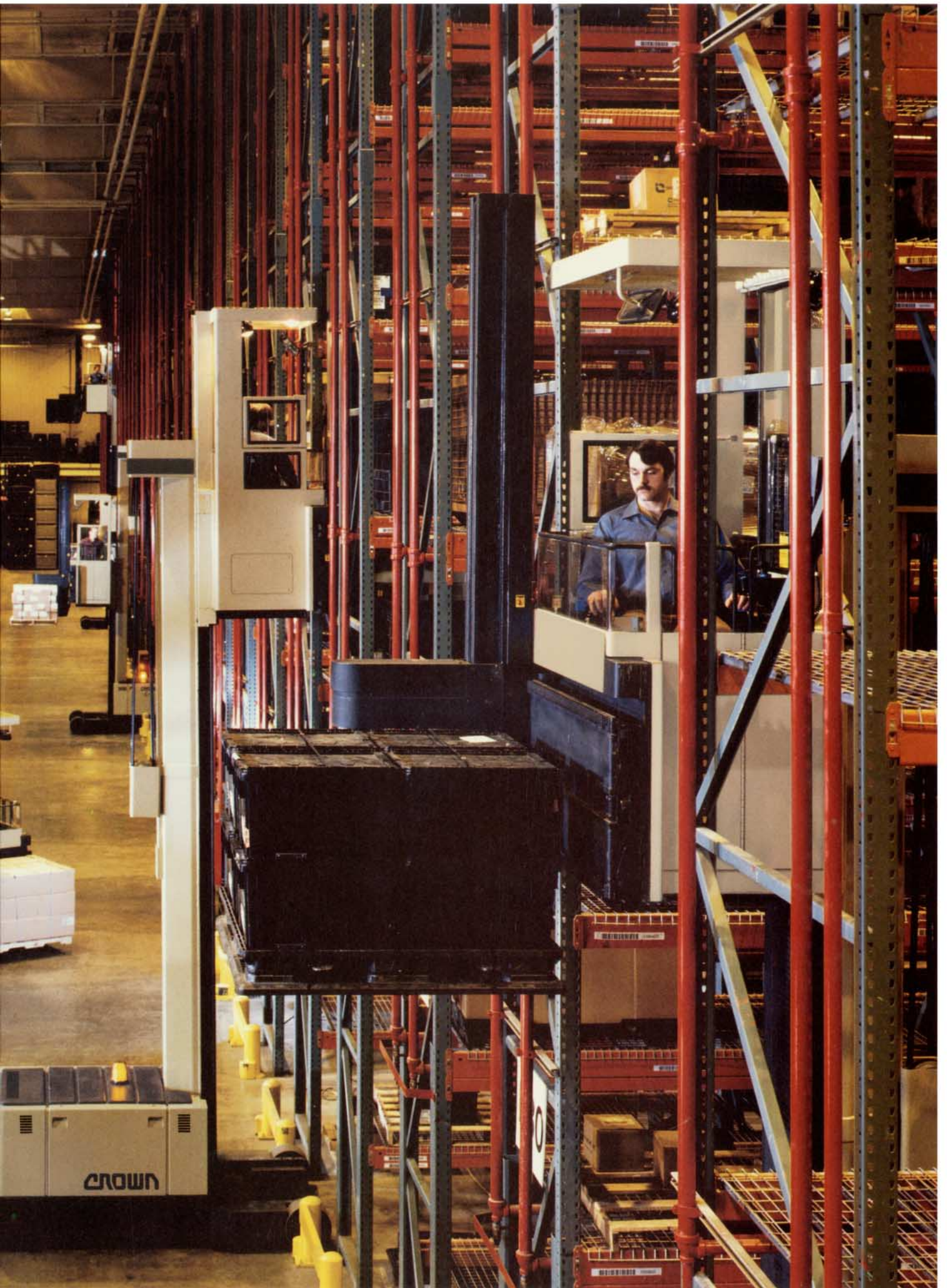
The Crown Turret Sideloader is a truck you can build a material handling system around.

It's a truck made for today's high-speed systems, whether in large just-in-time operations that work around the clock, or any warehouse where maximizing your cubic capacity is the goal. Whether on wire- or rail-guided systems; the Crown TS adds new throughput efficiency—and more.

Crown trucks have built a reputation for dependability. That's the critical ingredient in a just-in-time warehouse, and the ingredient that makes the Crown TS a key asset in any system. It is built for high-efficiency performance—thousands of hours of it.

Its simple, yet solid construction is backed by one of the most advanced monitoring and diagnostic systems on any materials handling machine made today. So you get faster, easier servicing, more uptime, more efficiency whether your system uses one Crown TS or a fleet.



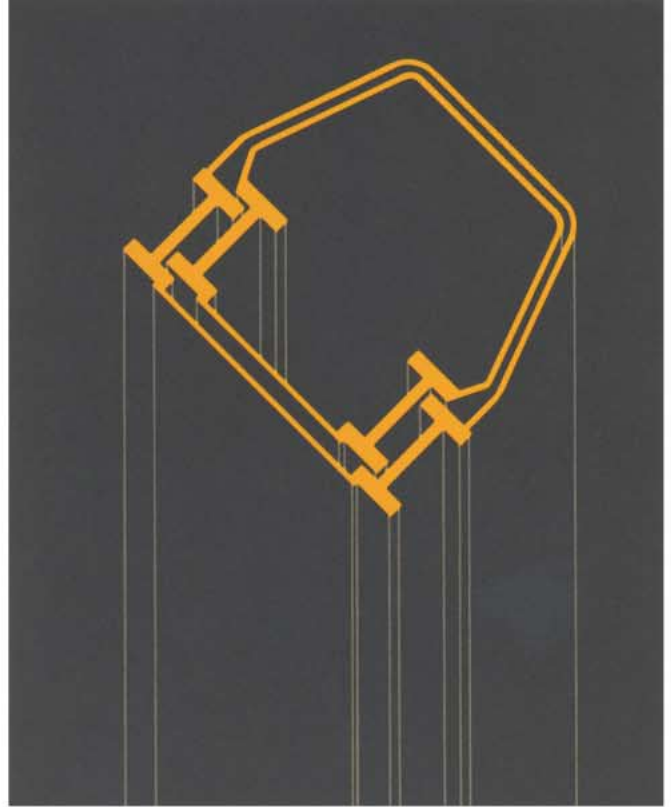


## Designed For Stability

Crown wants you to take a close look at their trucks. When you look closely at the Crown TS, you'll see why it is so durable and productive. Its stability, for instance, is a big factor in its performance.

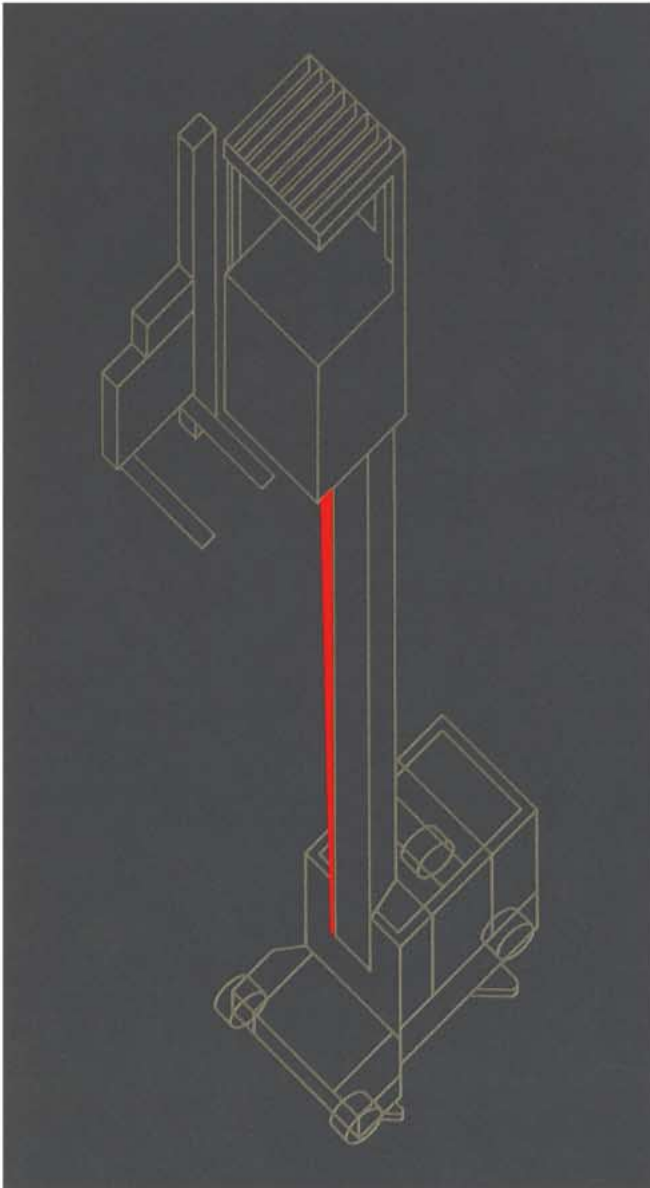
Mast deflection and sway are minimal. The Turret Sideloader mast has a closed cross-section construction, providing high torsional rigidity that minimizes elevated load sway due to mast twisting.

This box design also provides good visibility, protects lift cylinders, hoses, cables and chains, yet keeps them accessible for service.



Another reason for its stability is that the Crown TS works from a good, solid base—a four-point suspension. Four wide wheels provide a "stance" that keeps the truck stable under any rated load.

The operator is always confident and efficient in a Crown TS—even at full elevation.





### Smooth, Computer-Regulated Speeds

Most material handling vehicles have some sort of built-in speed control, especially as the load elevates. Travel speed often is dramatically decreased by platform elevation, load weight and steer wheel direction, as well as other factors.

But unlike many trucks in its class, Crown's TS uses on-board micro-computers to sense the fork and platform height, steering direction and operator controls—continuously.

This data regulates truck speed and proportions it to conditions, providing a speed chart that is a curve rather than a stair step. Acceleration, deceleration and braking are controlled, gradual and precise. This design provides optimum speed and throughput in all operating conditions.

### Productivity Boosted By Comfort, Control

Operators call the Crown TS a "comfortable" truck to work with. That comfort translates quickly into more productivity.

Visibility is excellent. Forks, load and rack beams are always close to eye level.

Positioned to face up or down the aisle, the operator sees the load, close up, just by turning his head. The seat pivots 35 degrees, so he can get an even closer look at the load and rack opening.

Every function is at his fingertips; controls are placed to make every movement easy and natural.

Hands are kept in the compartment during any movement of the forks.

Micro-computer control is utilized to provide fraction-of-an-inch precision while maintaining a smooth, yet responsive, "feel."

The response of the accelerator pedal, for forward and reverse travel speed, is contoured to provide maximum pallet positioning ability and smooth acceleration for optimizing pallet throughput. Braking is responsive and is applied with the foot brake.



Primary and auxiliary lifts, steering, pivot and traverse of forks are all hand controlled. Side traverse movement of the auxiliary mast and continued extension of the sideshift carriage are automatically sequenced, requiring only one operator control.







## The Warm-Up Break Is Over

Since refrigerated or freezer storage space is the most expensive you can own, maximizing the cube is critical. Crown's TS can do just that with 42-ft stacking capability in a very narrow aisle.

With a freezer-adapted Crown TS, productivity in a refrigerated warehouse can be as high as anywhere else.

This TS features special wiring, lubricants, low-temperature oil and corrosion protection that keep it at peak performance even when it's working in below-zero temperatures. And, to keep the operator as productive as the truck, Crown offers an integrated heated and enclosed cab.

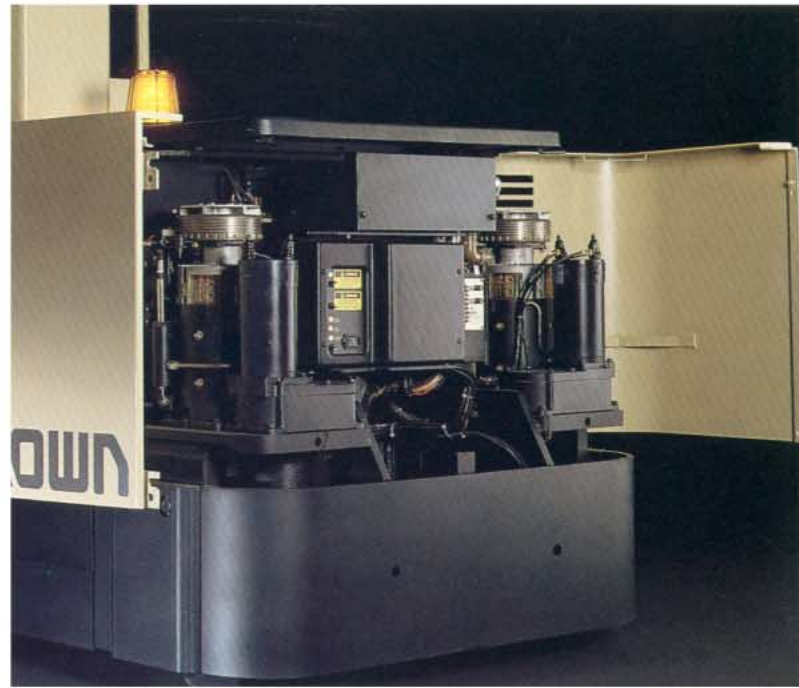
Comfortable operators will spend more time in the freezer and less time in the warm-up room.

## Technology That Benefits The User

Working on the theory that it's better to prevent problems than to solve them, Crown engineered an electronic system into the TS that controls, monitors and diagnoses.

Two micro-computers control the movements and monitor the condition of every key component. They give the operator continuous, precise and infinite control of travel, lift speeds and load handling functions.

This on-board technology, when combined with Crown's electronic service terminal, creates a partnership with the customer by providing the diagnostic capability to determine when a component requires service. In addition to monitoring the condition of the truck's components and maintaining a diagnostic history for future reference, a variety of truck performance information is a "keystroke" away. This ability guides service personnel through troubleshooting procedures.





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