



RACKING & STORAGE SOLUTIONS

SHEET • PROFILE • LONG PRODUCT STORAGE





SHEET RACKING & STORAGE

MANUAL • POWERED • CUSTOM CONFIGURATIONS



ProStore Roll-Out Sheet Racks

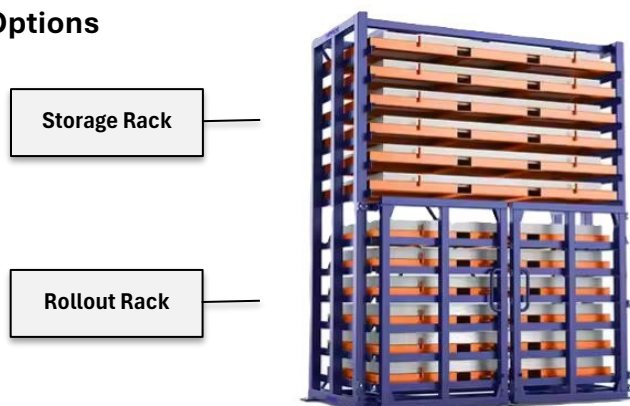
Key Benefits

- Quick, safe access to materials with roll-out drawer design
- Reduces heavy lifting and risk of material damage
- Maximises both floor and vertical storage space
- Keeps workshop organised and improves workflow efficiency



Model	3015	4015	4020	6020
Load Single Layer	2T / 3T / 5T	2T / 3T / 5T	5T	6T
Plate Size	3000 x 1500 mm	4000 x 1500 mm	4000 x 2000 mm	6000 x 2000 mm
Number Of Drawers	5+1 (additional layers customisable)			
Height Between Drawers	220 mm			
Dimensions (LxHxW) mm	3505x2280x2000	4505x2280x2000	4505x2280x2000	6505x2280x2000
Drawer Movement Method	Integrated pull-out type (Manual and/or Electric)			

Options



Hybrid Sheet Rack



De-palletiser

Motorised Roll-Out Sheet Rack

ProStore Motorised drawer-type sheet metal shelving offers significant advantages for managing sheet stock. Its automated operation allows sheets to be retrieved from storage or returned to their original position using an electro-mechanical system, reducing labour requirements and increasing efficiency.

Main Advantages

- **Automated operation** – retrieves and returns sheets at the push of a button
- **Reduced manual handling** – minimises operator effort and strain
- **Increased efficiency** – speeds up material access and storage
- **Organised storage** – keeps sheet materials sorted and easy to locate
- **Improved safety** – built-in safety features protect both operators and materials



Model	3015	4015	4020	6020
Load Single Layer	3T	3T	5T	6T
Plate Size	3000 x 1500 mm	4000 x 1500 mm	4000 x 2000 mm	6000 x 2000 mm
Number Of Drawers	6 or 12 Layers			
Height Between Drawers	220 mm			
Width When Door Is Open	3515 mm			4015 mm
Dimensions (LxHxW) mm	3505x2280x2000	4505x2280x2000	4505x2280x2000	6505x2280x2000

Forklift Sheet Storage Tower



ProStore Storage Solutions forklift-compatible sheet metal storage racking makes light work of handling and storing raw sheet materials. Designed to work seamlessly with forklifts, it delivers sheet metal directly to laser, plasma, and cutting machines.

The integrated stacker replaces traditional pallets, offering a safer, more efficient way to store and move materials. Perfect for fixture and sheet metal storage, it provides an organised and secure method for accessing and transporting sheets, improving both workflow and safety.

Main Features

- Works with forklifts for fast, efficient material handling
- Direct delivery to laser, plasma, and cutting machines
- Stacker system replaces pallets for safer storage and transport
- Organised, secure access to raw sheet materials
- Ideal for fixture storage and sheet metal stock management

Model	3015
Load Single Layer	2T
Plate Size	3200 x 1500 mm
Number Of Drawers	8 / 10 / 14 layers
Height Between Drawers	50-200 mm
Dimensions (LxHxW) mm	3665x1820x3500
Drawer Loading Method	Forklift



Vertical Roll-Out Sheet Racks

ProStore Storage Solutions vertical roll-out sheet racks provide a safe, organised, and space-saving way to store and manage sheet metal. The roll-out design allows each sliding unit to be pulled out 100%, giving a full view of materials for quick selection and reducing the need for heavy manual handling.

Ideal for small sheets, scattered pieces, large scraps, leftovers, semi-finished sheets, or any special storage requirements, these racks protect materials from damage while improving workshop safety and efficiency.

Main Features

- 100% roll-out drawers for easy access
- Full visibility for fast material identification
- Safe single-person operation
- Reduces manual handling and damage
- Maximises floor space & workshop organisation
- Smooth, effortless drawer operation
- Available in front-back or left-right configurations
- Ideal for storing full sheets, offcuts and remnants



Storage Sheet Size	2440*2450mm	3000*1500mm
Loading per slot	700kgs	500kgs
Number of Drawers	10	8
Distance between two layers	150mm	180mm
Operation System	Mechanical	Mechanical

Loading Arms

ProStore Storage Solutions offers a comprehensive range of sheet handling and loading systems designed to improve productivity, workplace safety and material handling efficiency. Our range includes manual loading arms, pneumatic manipulators, servo loading systems and fully automated robotic solutions to suit workshops of all sizes, from standalone machines through to complete automated production lines.

Pneumatic Cantilever

Lightweight, modular, and easy to move. Operators can position sheets effortlessly and stop at any point for precision. Built-in safety features ensure fast, safe, and continuous operation with minimal floor space required.

Loading 



Automatic Servo Loading Arm

Automated loading and unloading with an articulated arm, high-torque servo lift, precision positioning, and heavy-duty suction cups. Compact, modular, and easy to set up for a variety of applications.

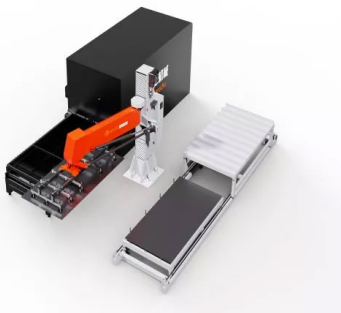
Loading 



Dual Servo Loading Arm

Multi-servo control for faster, more complex handling. Fully automatic loading/unloading with the same robust build as the Servo model, ideal for high-speed, high-volume production.

Loading  Unloading 



Automatic Gantry Loading & Unloading

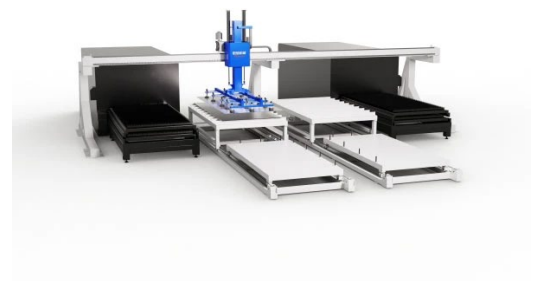
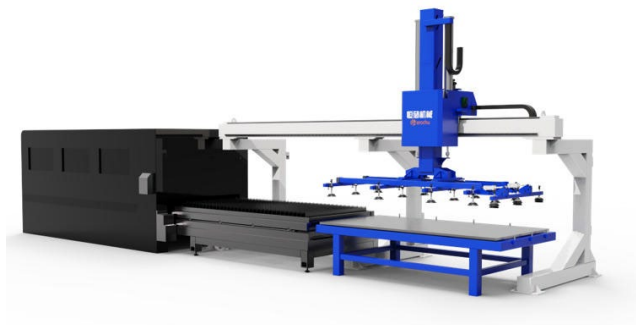
ProStore Storage Solutions **Servo Swing Arm Handling Manipulator** is a compact, high-performance system for automating sheet metal loading and unloading. Precision servo control and a robust swing arm deliver smooth, accurate handling — boosting productivity, reducing manual work, and cutting costs.



Key Benefits

- **Fully Automated Handling** – Loads and unloads sheet metal with no manual intervention.
- **Higher Throughput** – Speeds up production by integrating directly with the laser cutting process.
- **Cost Reduction** – Lowers labour requirements and minimises material handling delays.

Model	3015	4020	6020	6025
Sheet size	3000 x 1500 mm	3000 x 2000 mm	6000 x 2000 mm	6000 x 2500 mm
Maximum load	500KG-1000KG			
Air consumption	1.5m ³ /min			
Air source	0.6-0.7MPa			



Automatic Sheet Storage Towers

ProStore Storage Solutions automatic sheet storage towers are engineered for speed, safety, and space efficiency. They offer centralised, high-capacity storage with automated weight detection, loading, and retrieval – all managed by PLC and touch screen controls.



Single Tower



Double Tower

Feature	Automatic Plate Storage Warehouse		
Model	3015	4020	6020
Sheet Size	3000 x 1500 mm	4000 x 2000 mm	6000 x 2000 mm
Number Of Drawers	8-13		
Load Per Drawer	3T/5T		
Mode Of Movement	linear guide rail + chain		
Transmission Mode	chain drive		
Vertical Lifting Speed	9m/min		
Inlet And Outlet Speed	12m/min		
Plate Support	optional selection		
Option	Fully customisable sizing available		

Key Benefits – IMS Automatic Sheet Storage Towers

- **Centralised, high-density storage** for maximum space efficiency
- **Automated weight detection**, loading, and retrieval
- **PLC + touch screen control** for safe, easy operation
- **High load capacity** for heavy-duty sheet storage
- **Forklift or overhead crane** loading options
- **Expandable design** to grow with your production needs
- **Seamless integration** with laser cutting machines
- **Improves product quality** and boosts production efficiency



Automatic Loading & Unloading + Plate Storage Warehouse



ProStore Storage Solutions delivers fully customisable automated sheet metal cutting and storage systems to suit any factory layout. Our solutions integrate 3D vertical storage, gantry truss systems, and composite truss manipulators with your laser cutting machines for a complete, end-to-end automated production line.

From storage to finished parts, every step is handled automatically – boosting output, reducing costs, improving safety, and ensuring consistent quality.

Key Benefits

- **Complete Automation** – From storage to finished parts with zero manual handling
- **Customisable Layouts** – Built to fit your space, workflow, and machine setup
- **Seamless Integration** – Works with laser, plasma, and punching machines
- **Higher Efficiency** – Faster changeovers and optimised production flow
- **Improved Safety** – Less manual handling, less risk of material damage
- **Scalable** – Expandable as your production grows

Main Features

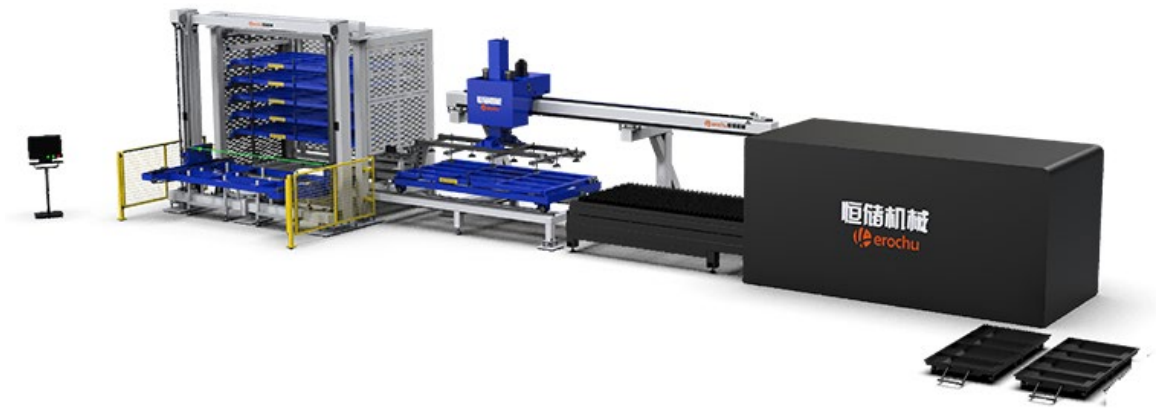
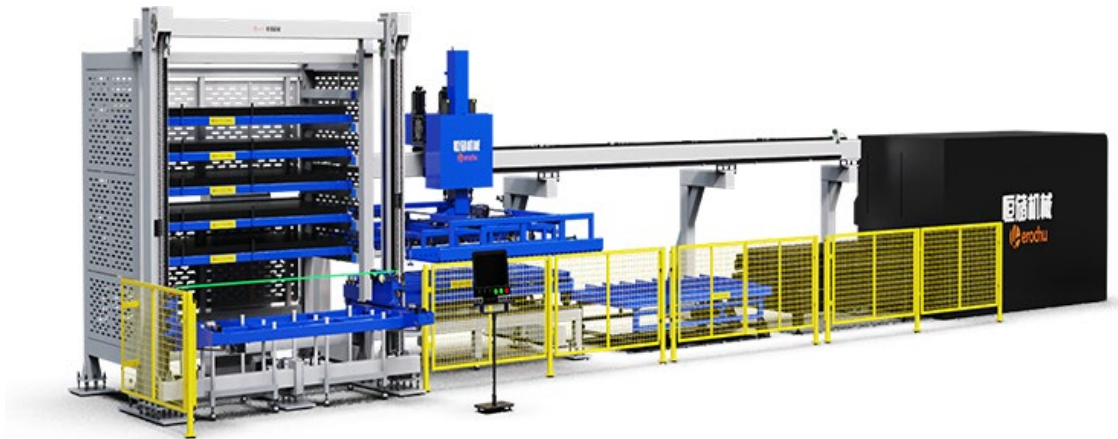
- Centralised 3D vertical plate storage
- Automated picking, loading, cutting and unloading
- High-speed gantry with precision manipulators
- Finished-parts trolley with PLC touchscreen control

Whether you're looking to improve efficiency, reduce manual handling, or automate your entire cutting line, we can supply and support a solution tailored to your workshop.

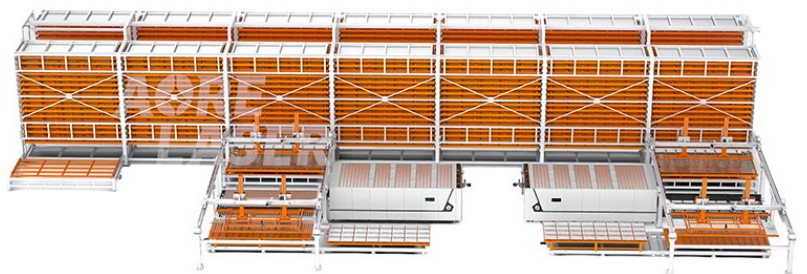
Let us know your layout, sheet size, and workflow – and we'll help design the right system.

Integrated Laser Automation

Storage, Loading & Unloading Solutions for CNC Laser Systems



Storage Tower + Gantry Loading / Unloading + Laser Machine



**Multi-Storage Towers
Multi-Laser Cutting Machines
Full Automation**



PROFILE & LONG PRODUCT RACKING SOLUTIONS

ROLL-OUT • MOBILE • AUTOMATED SYSTEMS



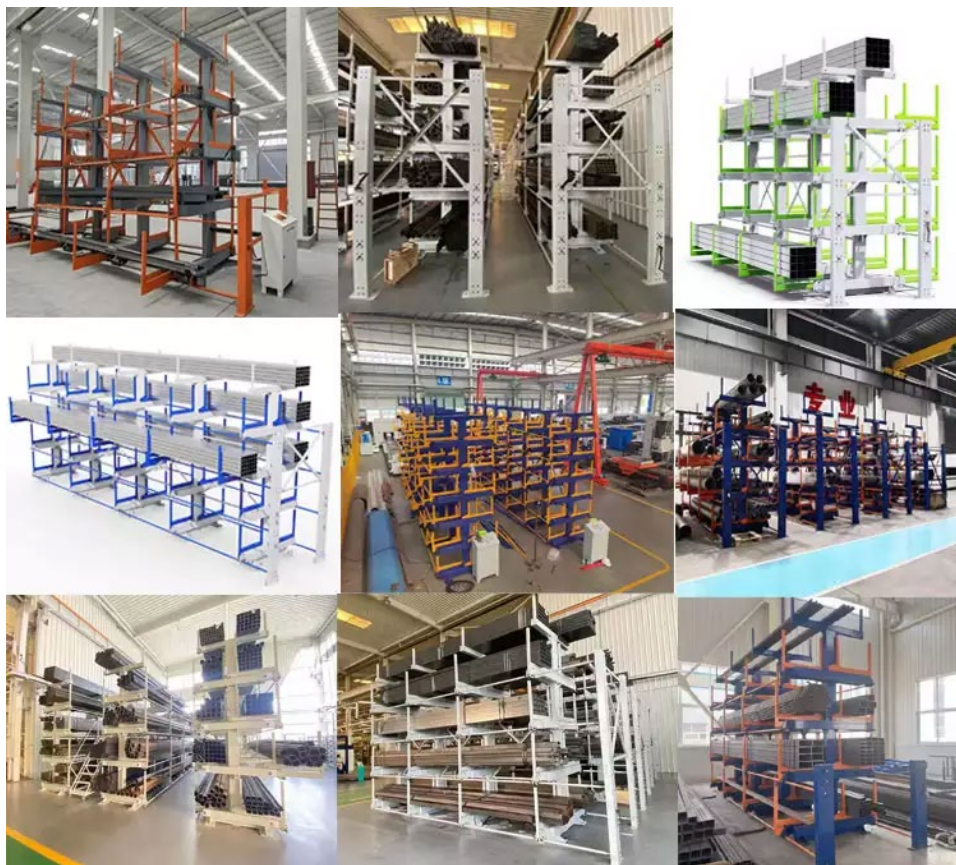
ProStore Roll-Out Profile Cantilever Racking

Efficient Long Material Storage

Designed for storing and accessing long materials such as bar stock, pipe, rollers, and mandrels. Keeps materials organised, easy to access, and easy to handle, saving space and time.

Key Features

- Space saving – no wide aisles needed
- Organised storage by length, size, or category
- Quick access from rack to work area
- Heavy-duty – up to 3 tonnes per layer
- 100% extendable arms for full access
- Single-person operation
- Single or double-sided units, custom sizes available
- Mechanical or electric drive options



Specification	6000 S	6000 D	9000 D	12000 D	Customised
Storage Length	6000 mm	6000 mm	9000 mm	12000 mm	Available
Load Capacity per Layer	2 tonnes	3 tonnes	3 tonnes	3 tonnes	Available
Number of Layers	3 + 1	4 + 1	3 + 1	3 + 1	Available
Single / Double Sided	Single	Double	Double	Double	Available
Total Load Capacity	8 tonnes	15 tonnes	12 tonnes	12 tonnes	Available
Arm Length	500 mm	600 mm	600 mm	600 mm	Available
Distance Between Layers	600 mm	600 mm	500 mm	500 mm	Available
Operation System	Mechanical	Mechanical	Mechanical	Mechanical	Available

Electric Profile Storage Rack

Roll-Out Cantilever Racking

Powered cantilever racking for safe, efficient storage of long materials such as bar stock, pipe, rollers, and mandrels. Ideal for use with lasers, shears, saws, and other metal processing equipment. Improves handling efficiency, reduces manual handling, and maximises warehouse space.



Product Highlights

- Space saving – no wide aisles needed
- Store by length, size, or category – trays for offcuts
- Direct access from rack to work area
- Heavy-duty – up to 6 tonnes per layer
- 100% extendable arms for full access
- Single-person operation
- Single or double-sided units, custom sizes available
- Electric drive for smooth, effortless operation



Specification	6000 S	6000 D	9000 D	12000 D	Customised
Storage Length	6000 mm	6000 mm	9000 mm	12000 mm	Available
Load Capacity per Layer	2 tonnes	3 tonnes	5 tonnes	6 tonnes	Available
Number of Layers	3 + 1	4 + 1	3 + 1	3 + 1	Available
Single / Double Sided	Single	Double	Double	Double	Available
Total Load Capacity	8 tonnes	25 tonnes	35 tonnes	42 tonnes	Available
Arm Length	600 mm	800 mm	600 mm	600mm	Available
Distance Between Layers	500 mm	600 mm	500 mm	500 mm	Available
Operation System	Remote control frequency conversion control				Available

Sizes shown are the builds we supply most, not the limits. Length, number of layers, arm length, load rating and bin size are all made to the material you carry.

Profile Storage Warehouse

Rail Type Roll-Out Cantilever Racking



Rail-type roll-out cantilever racking provides an efficient, space-saving solution for storing long or irregular materials. The roll-out arm system, with mechanical assistance, minimises manual handling while supporting **3–8 tonnes per layer**. The multi-layer design ensures safe, classified, and well-organised storage.

Main Features

1. **Shared Rail System** – Uses a single ground rail, requiring only one aisle for loading and unloading.
2. **Versatile Storage** – Suitable for pipe, bar, structural section, bundles, irregular lengths and offcuts.
3. **High Strength** – Stable rail design offers excellent load capacity with maximum safety.
4. **Optimised Space Use** – Ideal for low-height or space-limited warehouses, delivering better utilisation than standard shelving systems.

Specification	6000 S	6000 D	9000 S	9000 D	Customised
Storage Length	6000 mm	6000 mm	9000 mm	9000 mm	Available
Load Capacity per Layer	3 tonnes	3 tonnes	5 tonnes	5 tonnes	Available
Number of Layers	4 + 1	4 + 1	4 + 1	4 + 1	Available
Single / Double Sided	Single	Double	Double	Double	Available
Total Load Capacity	15 tonnes	15 tonnes	25 tonnes	25 tonnes	Available
Arm Length	550 mm	600 mm	800 mm	800 mm	Available
Distance Between Layers	600 mm	600 mm	800 mm	800 mm	Available
Operation System	PLC frequency conversion control				Available

Sizes shown are the builds we supply most, not the limits. Length, number of layers, arm length, load rating and bin size are all made to the material you carry.

Automatic Profile Storage Warehouse

Loading and Unloading Gantry



The **three-dimensional profile storage warehouse** is a high-density, automated solution designed for long materials such as pipes, tubes, and structural profiles.

Key Features

- **Double-tower configuration** for maximum storage efficiency
- **Customisable bin dimensions** (height, depth, width) to match profile sizes
- **High load capacity:** 3000–5000 kg per layer
- **Heavy-duty construction** for both single and bundled profiles
- **Fully automated loading/unloading gantry system** for safe and efficient handling
- **Configurable layers and capacities** to meet site requirements

Standard Inclusions

- Automated loading/unloading gantry
- Profile racks, material frames, and guide rails
- Heavy-duty structure engineered for long service life

Storage Length	6000 / 9000 / 12000 / 18000 mm (customisable)
Number of Layers	4 / 5 / 6 (customisable)
Load Capacity per Layer	3000–5000 kg (customisable)
Movement Type	Linear guide rail + chain
Transmission Method	Chain drive
Vertical Lifting Speed	9 m/min
Inlet/Outlet Speed	12 m/min
Bin Size (L × W)	600 × 500 mm (customisable)
Number of Storage Units	Based on customer requirements

Sizes shown are the builds we supply most, not the limits. Length, number of layers, arm length, load rating and bin size are all made to the material you carry.