

Sheet Racks

Key Benefits – IMS Roll-Out Sheet Metal Racks

- 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
Lod 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 Layers	5+1 (additional layers customisable)			
Height Between Layers	220 mm			
Width When Door Is Open	3515 mm			4015 mm
Dimensions (LxHxW) mm	3505x2280x2000	4505x2280x2000	4505x2280x2000	6505x2280x2000
Drawer Movement Method	Integrated pull-out type			

Options



Hybrid Sheet Rack



Depalletiser

Electric / Motorised Drawer-Type Sheet Metal Shelving

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



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Sheet Metal Storage Racking – Forklift Compatible



Our 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	2010	2513	3015
Lod Single Layer	2T		
Plate Size	2000 x 1000 mm	2500 x 1300 mm	3200 x 1500 mm
Number Of Layers	10		
Height Between Layers	50-200		
Dimensions (LxHxW) mm	3165x1320x3500	3165x1820x3500	3665x1820x3500
Drawer Movement Method	Forklift		

Vertical Roll-Out Sheet Racks

IMS 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








- Full visibility for quick and easy selection
- 100% roll-out sliding units
- Load capacity up to **700 kg** per roll-out unit
- Easy single-person operation to save time and labour
- 3° slant prevents slipping and protects valuable material
- Saves space, keeps the workshop clean and orderly
- Available in **front-back** or **left-right**

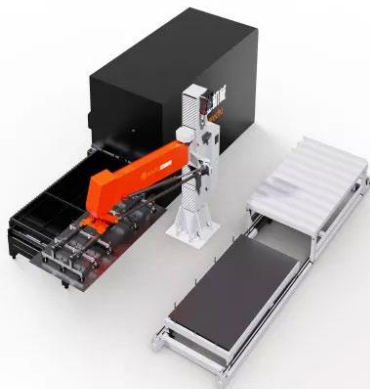


Storage Sheet Size	2440*1220mm	3000*1500mm
Loading per slot	700kgs	500kgs
Number of Drawer	10	8
Distance between two layers	150mm	180mm
Operation System	Mechanical	Mechanical

Loading Arm / Manipulator Range

At **IMS Loading Arm Solutions**, we provide practical, high-performance handling solutions designed to improve productivity, safety, and workflow efficiency. Our range of loading arms and manipulators are built to suit operations of all sizes, from space-saving manual systems to fully automated, high-speed robotic solutions.

Description	Model	Sheet Size	Weight
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 		1250x1250 mm 2450x1250 mm 3000x1500 mm	300 kg 500 kg 1000 kg
Servo Swing 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 		3000x1500 mm 4000x2000 mm	500 kg 750 kg 1000 kg
Compound Servo Swing 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 		3000x1500 mm 4000x2000 mm	500 kg 750 kg 1000 kg



Connect With Laser Machine

Gantry Loading & Unloading Manipulator

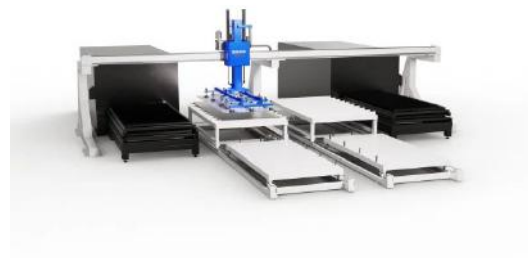
The IMS **Servo Swing Arm Handling Manipulator** is a compact, high-performance system for automating sheet metal loading and unloading. Precision servo control and a robust swing arm deliver smooth, accurate handling — boosting productivity, reducing manual work, and cutting costs.



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.

Specification	3015/4015/4020/6015/6020/6025mm
Maximum load	300KG-1000KG
Air consumption	1.5m ³ /min
Air source	0.6-0.7Mpa



Automatic Sheet Storage Towers

IMS Storage & Racking 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



Two Towers

Feature / Model	Automatic Plate Storage Warehouse				
Model	3015	4015	4020	6015	6020
Sheet Size (mm)	3000x1500	4000x1500	4000x2000	6000x1500	6000x2000
Number Of Floors	8-13				
Load Per Layer	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				

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



Introduction

IMS Storage & Racking 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
- Automatic warehousing, picking, splitting, feeding, cutting, and unloading
- High-speed bilateral gantry truss movement
- Precision composite truss manipulators for loading/unloading
- Finished goods trolley for organised handling
- PLC + touchscreen control for safe, efficient operation

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.

Multiple Configurations – Fully Customisable

