Operating since 1966 our experience in providing material handling and rail products and solutions has given us the knowledge to provide support and know-how to satisfy our customers.

HMA Materials Handling is part of the HMA Group and specialises in the design, supply, installation and servicing of material handling and rail equipment in a wide variety of industries.

We are recognised for our innovation and adaptability, working with our customers to come up with a design solution that meet our customer’s needs and then deliver a built product or system.

We also represent principals who are among the leaders in their fields including Mogensen UK, Carman, Conn-Weld and Cascade Coil and combine this with our own in-house engineering, drafting and project management resources enable us to provide an optimum material handling and rail solution to fit our customers’ needs.

Our network of sales and support offices means you are never far away from a HMA representative who can assist you with any of your needs for new or existing equipment. Whether it is the supply of a single screen or rail trolley through to a multi element turnkey project, HMA Materials Handling has the experience and resources to ensure our customers’ goals are met.

HMA MATERIALS HANDLING HAS THE EXPERIENCE AND RESOURCES TO ENSURE OUR CUSTOMERS’ GOALS ARE MET.
HMA Materials Handling has provided solutions in a wide range of Industries including:

- **MINING**
- **PORTS**
- **AGRICULTURE**
- **RAILWAYS**
- **SERVICE PROVIDERS**

Why do business with HMA Materials Handling?

HMA staff excel at solving technical and engineering problems in an innovative way to provide solutions that work. As a customer you are always in a close working relationship with senior HMA engineers and project managers who use an open and hands on approach to all work. We offer a multi disciplinary engineering design team with extensive experience in rail maintenance equipment and materials handling systems.
System Upgrades

We are able to provide solutions to improve the operation of existing loading facilities. Examples of what can be done to improve throughput and/or reliability include:

- Replacement control gates and chutes
- Improved hydraulic power systems
- Loading automation
- Real time weight loading (VILU)

Precision Loading Systems

HMA Materials Handling holds the patent for the Precision Loading System (PLS) in the Australasian region. The PLS uses a single or multi batch approach to the loading of bulk materials in both trains and trucks, weighing the material before it is placed into the wagon ensuring that each load is maximised for improved efficiency.

Truck and Train Loading Systems

Materials such as coal, iron ore, gravel and sand can all be loaded in bulk using our variety of design and operating systems. Loading systems are available to suit applications involving trucks (including oversized and multiple trailers) as well as trains with options including:

- Flood (Volumetric) Loading
- Single or Multiple Batch Weighed Loading
- Automatic or manual operation
- Real time weight loading (VILU)
Feeder Breakers
Feeder breakers in capacities from 500 to 2,500 tph for a range of materials including coal and aggregates. Options for either electric or hydraulic drives with standard designs or designs specific for an application.

In Pit Crushing
Static or mobile In Pit Crushing systems designed to suit your specific needs and able to process up to 1000 tph.

Mobile Equipment
We can supply tracked vehicles such as feeders, conveyors, stackers and reclaimers or work and carry platforms.

Loading, Isolation & Flow Control Gates
We have a range of gate designs to suit a variety of applications such as reject systems, equipment isolation and material flow control or we can design a gate and actuation system to suit a particular need.
- Single, double or multi blade gates
- Clamshells
- Water capture designs

Ship / Barge Loading
We have a range of Jet Slingers and Loading Spouts for accessing and loading the holds of ships or barges. We have supplied units for a range of materials including grain, sugar, coal, wood chip and mineral sands.

Chutes - Telescopic / Transfer / Traversing
From simple in line chutes through to complex transfer tower design, our designs are based around promoting the natural angle of movement of material. All designs feature a full range choice of wear resistant liner options available through HMA Wear Solutions.
Telescopic loading chutes which enable complete flexibility for accessing and loading the holds of ships/barges and for dust control and environmental management on product stockpiles.
Stockpile Reclaim & Conveying

**Drawdown Hopper**
Our range of Carman Drawdown Hopper eliminates outdoor stockpile storage and reclaim problems including coring, bridging, and minimal active reclaim by using vibratory action to transmit energy directly into the stockpile, encouraging sloughing into the flow stream and maximizing active reclaim.

**Chain Feeder / Reclaimer**
Chain Feeders for the reclaim of material from stockpiles or fed via trucks/front end loaders to efficiently move material. Standard sizes with capacities from 500 to 2,500 tph with options for electric or hydraulic drive.

**Jet Slingers**
Proven solution for stockpiling and ship loading applications. Have been used successfully on the following bulk material:
- Coal - washed and raw (Capacity up to 3000 tph)
- Woodchips – hardwood and soft wood (Capacity up to 1500 tph)
- Grains – Wheat, barley, Maize (Capacity up to 1000 tph)
- Sugar (Capacity up to 3000 tph)
- Mineral sands – ilmenite etc (Capacity up to 1000 tph)

**Stackers**
Range of standard and non-standard stackers including features such as luffing, slewing, and telescoping.

**Belt Feeders**
We can supply Belt Feeders up to 2500 mm wide to suit most bulk materials. Low head designs to suit tight spaces with options for drive types and feed conditions.

**Trippers & Ploughs**
We have designs for travelling trippers and belt ploughs to suit a variety of material types and belt configurations or can design a system to suit a particular need.
Screens
We are partnered with leading designers and manufacturers of quality screening equipment including Mogensen and Conn-weld. Equipment includes Banana, Dewatering, Horizontal, Circular Motion Incline, Extreme Duty Scalping Screens, Sizers and Sieves. Our screens service the industries of coal, aggregate, pulp and paper, minerals, corn, fine metals, and many more.

Sampling Systems
We are partnered with one of the leaders in the design and supply of samplers for the coal industry. From simple single stage cross belt samplers through to complex three stage and auger samplers we can supply a system complying with international sampling standards.

Vibratory Equipment
Equipment such as Bin Dischargers, Feeders, Grizzlies, Fluid Bed Processors and conveyors can be engineered to suit each individual application from the world renowned Carman and Mogensen brands.

Divergators
Patented high capacity non-binding and self-cleaning static grizzly. Contains no moving parts and the individual bars are easily replaceable. Sized to suit most applications for separation above 20 mm in widths from 0.5 to 5m. Uses include crusher bypass, belt protection and misplaced material removal.
Overhead Access Equipment

**Telescopic Boom Lift**
Can either be permanently attached, bolted or attached with twist locks to the tray body of the Hi Rail vehicle supplied complete with electrical control systems with single or multiple control stations. A full range of controls are available from the EWP basket.

**Equipment Manipulators**
Specialised designs for making maintenance of and access to overhead equipment safer and easier. Examples include a cradle system to facilitate the transport, removal and installation of fans in underground tunnels, making the task quicker and easier to accomplish.

**Scissor Lift**
Either standalone scissor lifts or attached to truck bodies they can incorporate extension platforms to make work area access easier. Supplied with complete with electrical control systems with single or multiple control stations. A full range of controls are available from the operating platform including: Platform Raise and Lower, Extension Platform (In and Out), Emergency Lower, Emergency Stop, Hi Rail Truck Travel (Forward and Reverse), Braking and Engine Control (Stopping and Starting).

**Boom Lift**
Design and supply a range of Boom Lift Elevating Work Platforms (EWP) for attachment to Hi Rail vehicles. Can either be permanently attached, bolted or attached with twist locks to the tray body of the Hi Rail vehicle.
**Hi Rail Equipment**

**Light & Medium**
Range of Hi Rail kits for light vehicles for use as general fitter gang trucks, track inspection Hi Rail vehicles and weed and vegetation control Hi Rail vehicles. Base vehicles include Land Cruisers, Ivecro and Fuso trucks. Fitted with tray bodies and tool boxes and are supplied complete with electrical and hydraulic control systems for Hi Rail and accessories deployment.

**Heavy**
We can offer tray bodies, toolboxes, pedestrian collision covers, and other Hi Rail attachment kits. Our Hi Rail heavy vehicle range are for road rail conversions of vehicles with a gross vehicle mass (GVM) greater than 7000kg. Suitable for overhead construction and maintenance elevating work platforms (EWP) including Scissor Lifts, Boom Lifts and Telescopic Boom Lifts.

**Excavators and EWPs**
We can supply Hi Rail kits for almost any type and size of excavator or EWP to allow it to access the rail for travel or work. Designs can allow for hydrostatic or traction drive systems as per preference.
Rail Fixing & Resurfacing

**Track Lifter**
Used by various railways authorities to remove condemned sleepers and simultaneously replace them with new ones. The sleeper renewers form part of a “consist” used by flying rail maintenance gangs in remote areas.

**Rail Heaters**
Used to stress and de-stress sections of tracks which have been used for long periods of time. Consists of a tractor to provide traction for a controlled work speed and the gas bottle module mounted on the tractor and the rail heater unit.

**Clippers**
Designed to apply and extract rail clips from both sides of the rail simultaneously with one operator. A hydraulically operated scissor-type rail clamp ensures the machine remains fixed to the track during insertion and extraction. We have designs to suit most clip types including e-clips, Fast clip and Trak-Lok.

**Spot Tamper**
The ‘Vibropak’ is a spot tamping machine designed to consolidate either new, worn or loose ballast under concrete, steel or timber sleepers. Each work head, which can be operated independently, has four tines which are vibrated at high frequency by a rotating eccentric shaft. The machine It is rapidly deployable and incorporates suspension suitable for medium speed travel up to 40 km/h.

**Material Handlers & Trolleys**
Designed to make work easier, we can supply equipment to carry tools, clips, sleepers or personnel – anything required to make the job go faster and safer.

**Ballast Undercutter**
Designed to remove fouled ballast from underneath the railway track so that fresh clean draining ballast can be substituted, the machine is specifically designed to work on points, turnouts and crossings. The major materials handling elements are a horizontal excavating chain, a vertical cell type bucket wheel and three troughed belt conveyors.
**Weighing Systems**

Our designs are based on latest technology load cell modules that are capable of producing accurate and repeatable results in a wide range of applications. These include:

- Bin weighing systems
- In-motion train weighing systems
- Conveyor Belt Scales
- Weigh feeders

**Safety Guarding**

GuardianCoil® works as a protective screen around all types of machinery, including mills, routers, spar mills, lathes, grinders, forges, testing equipment, etc. It is used as a machine guard to protect personnel and property from high-velocity flying debris or shrapnel.

**Belt Tracking & Cleaning**

Belt alignment problems can be resolved using HMA Halley & Mellowes (MHD) supplied Hallitrak and Tru-track belt equipment.

The Hallitrak is a fully assembled idler frame style Belt Tracker that is designed to accept stock rollers making maintenance easy.

The Tru-Track belt tracker is a simple to install yet highly effective in maintaining belt alignment. The unique design is particularly effective as a retrofit into existing conveyor structures.

**Wheel Wash**

A perfect solution to your problem of dirty and contaminated roads no matter what the site conditions. Eight base models with an extensive range of design variations to meet individual customer needs.

**Aluminium Dome**

Aluminium geodesic domes for tank covers. Can be applied to almost any application. Typical examples are:

- Water and waste water tank covers
- Bulk storage facilities
- Petrochemical Tanks
- Stadiums and Architectural designed buildings
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