



# Rail / Transportation Overview



## Handling Specialty & Whiting: Reliability the Rail Industry Depends on

Specialty designs and manufactures custom material handling equipment including lifts, work platforms, tilters, transporters and rotators. Incorporated in 1963, Handling Specialty is located in Grimsby, Ontario, Canada and is a division of Whiting Equipment Canada Inc., (a subsidiary of Whiting Corporation in Monee, Illinois).

For over 50 years, Handling Specialty has developed an excellent reputation for successfully delivering engineered-to-order lifting solutions across a myriad of industries, including aerospace and defense, rail, automotive, advanced manufacturing, factory automation, entertainment and more. In nearly every case, the equipment has been designed to handle extremes of environment, usage, weight and longevity.

For many years, Whiting has designed and manufactured rail industry equipment and systems to assist in the efficient and cost-effective maintenance of locomotive and rail vehicles.

The company's combined customers include internationally-known organizations such as Via Rail, Canadian Pacific, Canadian National, Bombardier, Siemens, and Amtrak.

The engineering team at Handling Specialty and Whiting offer design and layout services to suit the customer's requirements. From lifting, lowering, supporting, transferring or rotating, and all the equipment needed for railcar and locomotive handling in any situation, are all available from a single source — our team.

A PARTNERSHIP THAT SUPPORTS THE RAIL INDUSTRY WITH RUGGED, RELIABLE, TIME TESTED SOLUTIONS

Due to the nature of our projects, we also project manage every step, from engineering to manufacturing to installation and training, providing true turn-key capabilities, while backed by reliable service capabilities.

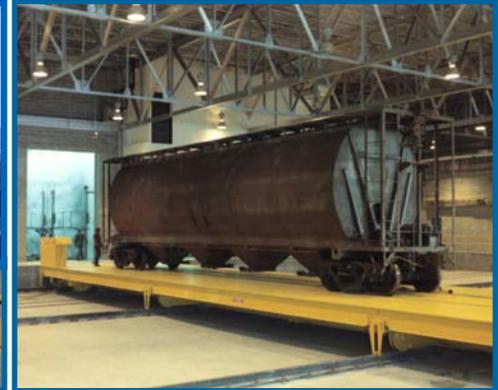
Handling Specialty is a member of the Canadian Association of Railway Suppliers (CARS) and the Canadian Urban Transit Association (CUTA).



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OVER 900 INSTALLATIONS WORLDWIDE

RUGGED, DURABLE EASY TO OPERATE

CUSTOM CAPACITY, LENGTH AND DEPTH

**Drop Tables** - Whiting drop tables are the industry standard. Drop tables assist in the removal of full trucks, traction motors or wheelsets from rail vehicles.

**Customer Options:**

- Twenty to 125 ton capacities
- Ergonomically - designed service tops
- Bascule release tops ensure uninterrupted traffic flow
- Body supports designed for multiple vehicle designs
- Traction motor dollies supplied with hydraulic pump units
- Locking pockets supplied with jacking supports

**Turntables** - Whiting turntables are used to rotate rail vehicles and trucks for movement through a rail facility.

**Customer Options:**

- Large diameter turntables
- Capacities up to 250 tons
- Redundancy features reduce rail vehicle out of service time
- Smaller diameter turntables
- Fully decked
- Manually or electrically operated
- Designed using a center slewing bearing (additional pit track for support wheel not needed)

**Transfer Tables** - Transfer tables help maintain rail vehicle traffic flow between multiple rail lines.

**Customer Options:**

- Capacities to handle all rail vehicles
- Lengths for all rail vehicles
- Depths (pit or non pit design)
- For indoor or outdoor use
- Covered or uncovered
- Manual, semi-automatic or fully automatic operation
- Movement of vehicles on and off the table can also be done by using a car progression system

**Car Progression Systems** - (not pictured) These systems are used for moving/indexing one or more rail vehicles. Whiting's double drum cable system is a time-tested industry standard.

**Customer Options:**

- In-track robot arm system (whether cable or chain driven) can be designed to push (or pull) against multiple positions on a rail vehicle
- Often incorporated with a transfer table

## Handling Specialty Manufacturing Ltd. Rail Equipment—Custom Solutions Built Tough to Last

**Custom Engineered Rail Equipment Projects** - In our 50-plus years serving the rail and transportation industry, Handling Specialty has engineered, designed, manufactured and installed material handling solutions including personnel lifts (including explosion proof designs), split rail systems, self-propelling gantries and railcar nose cleaning tables, wheel-set carriages and dollies, etc. As an engineered-to-order solution provider, we consider the entire scope of the project to ensure the product solution fits the purpose.

Some examples of projects requiring a high level of engineering and manufacturing expertise include: drop tables, split rail system, shim table, self-propelled personnel lifts, paint booth personnel lifts maintenance personnel platforms, gantry lifts for air conditioner maintenance, and nose cone maintenance lifts.



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DEPENDABLE, MAINTENANCE FREE DESIGN



SAFE, SECURE, TIME-TESTED



MANUALLY GUIDED VEHICLES

**Portable Electric Jacks** - Whiting's portable electric jacks are used to lift and hold rail vehicles during the maintenance process.

**Customer Options:**

- 25, 35, 50, 60 ton models available
- Easily modified to suit special applications
- Lighter capacity jacks (five to 20 ton) designed by Handling Specialty, based on Whiting design
- Jacks operate in synchronization, or separately
- Lifting brackets can be modified to any configuration

**Car Hoists** — These systems are used for raising multiple transit vehicles to above floor working height. With body supports, transit vehicle trucks are easily removed and replaced.

**Customer Options:**

- Regular and shallow pit systems
- Standard straight lift system or pass throughs
- Capacities from 10 to 40 tons
- Two or four synchronized screw designs
- Car hoists can also be sized to lift trucks for maintenance

**MGVs and AGV's** - We build heavy-duty manual and automated vehicles for material handling needs.

**Customer Options:**

- Manually guided or automatically guided
- Wireless remote control
- Safety standards
- Zero-radius turning
- Heavy capacity
- Embedded scissor lifts
- Floating table tops
- Custom tooling
- Ergonomic designs
- IIoT monitoring

**Body Hoists/Supports** - Used to raise transit vehicles by their set jacking points.

**Customer Options:**

- Designs are available to meet all customer requirements. All body hoists operate in synchronization to ensure level lifting of your vehicles.
- Capacities ranging from five to 15 tons
- Rip Jacks (heavy duty body hoists) lift capacities up to 150 tons



CUSTOM ENGINEERED SPLIT-RAILS

PAINT BOOTH LIFT

OVERHEAD GANTRY

MOBILE DROP-TABLE

STENCIL BOOTH

NOSE CONE LIFT



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## Accreditations & Memberships

Behind our products stand a very special team of people. A team that thrives on innovation while maintaining high standards of excellence and integrity in their areas of professional expertise. In our recruiting process, we seek out individuals who not only have the necessary technical skills but who also demonstrate these very important character traits.

Client focus, commitment to quality, pride in workmanship, and attention to detail are integral elements in our design and manufacturing process. The company's management team brings together diverse backgrounds — engineering, production, information technology, project management and sales/marketing — to create a balanced and totally integrated manufacturing approach. One that ensures that we deliver engineered-to-order solutions that meet or exceed our clients' expectations.

### Our Quality Policy

Our company is dedicated to achieving customer satisfaction through our commitment to providing reliable, maintainable and durable product on time; and continually striving to improve our product quality and quality system. The quality objectives Handling Specialty measures and strives to continuously improve include:

Customer satisfaction  
 Product quality (including statutory and regulatory requirements)

- Product reliability
- Product maintainability
- Product durability
- On-time delivery

To satisfy the unique requirements and expectations of our customers, the Quality Management System encourages the following:

- constant dialogue with customers, suppliers and employees
- continuous development and refinement of new designs, products and applications
- continuous research for alternative and superior materials
- continuous development of management and technical expertise
- acquisition and development of new technology
- enhancement of technical specifications and support services



The Canadian Association of Railway Suppliers



Association Canadienne des Fournisseurs de Chemins de Fer



CANADIAN WELDING BUREAU



Professional Engineers Ontario



CSA INTERNATIONAL