

Industrial Machinery



工業用機器作業情況相關資料

At Work...



戰車型移動滾輪

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At Work...

移動工業機器

... moving Industrial Machinery

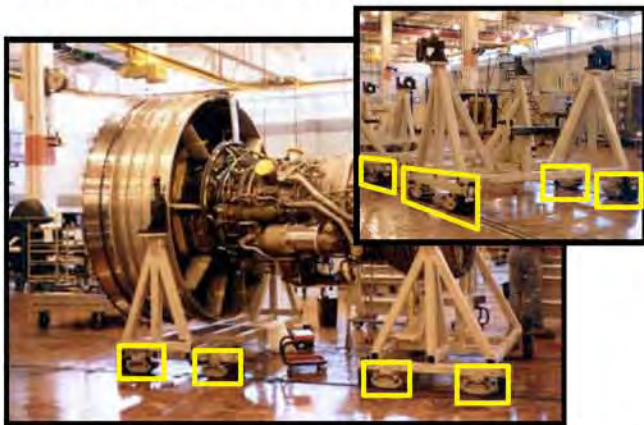
For moving, installing and relocating heavy machinery and bulky equipment, **ROLLERS** provide an easy, safe and cost-effective solution to a multitude of heavy material handling problems. Maintenance personnel and industrial users throughout the years have found **ROLLERS** to be "ready to roll" when needed.

Low friction, low profile **ROLLERS** move from 500 lbs. to over 500 tons! **ROLLERS** are available individually or in complete moving kits and in many capacities and styles. They are perfect for any busy factory or maintenance department with routine or emergency equipment moving applications.

Whether they are for permanent mounting or temporary moves, used to install just one new machine, a whole machine shop or to continuously aid in heavy assembly line transfers, **ROLLERS** are **At Work** in industrial moving and material handling applications. For ideas on other areas where **ROLLERS** work hard, take a look at the other titles in our "**ROLLERS At Work**" Series.

- Oil & Gas Exploration, Marine and Shipbuilding
- Bridge Construction
- Heavy Construction & Rigging - Pipe and Tunneling
- Power Generation - Nuclear Facilities
- Research Equipment
- Manufactured Home Production and Roll-On
- OEM, Production & Automation, Quick Die Changing

ON THE COVER... 組合移動 "ASSEMBLY" MOVE



Aircraft engine assembly carts are designed to be used in pairs to accommodate engines of different sizes and weights. Rolling through the assembly line on tracks embedded in the floor, the carts operate with four Swivel Locking **ROLLERS** permanently mounted to each cart.

FREIGHT HANDLING 貨運站處理 CONVEYOR SYSTEM 輸送系統



A series of standard 5-OT style **ROLLERS** were used to install a new freight terminal conveyor system. Tracks for the rollers were created with I-beams positioned on their sides to form a channel.



ROPE REEL CART 纜繩運送車



The transport cart holds the coil stock reel, weighing several tons, securely while it is easily moved on four **ROLLERS** with Swivel Locking Smooth top plates. The rollers are permanently mounted and allow the cart to be easily moved over concrete floors. Hilman Steering Handles turn the rollers so that the reel can be positioned as needed.



HUBBLE TELESCOPE 小凸起部份 伸縮



ROLLERS with Standard Swivel Locking Diamond Tops were used to load the canister onto the transporter for the Hubble Space Telescope prior to its initial launch.



AIR TRANSPORT LOADING

航空運輸裝貨



The 100 ton pressure vessel is secured in the cargo bay and ready for transport. The vessel was winched into the interior of the aircraft on (10) 20-OT style

ROLLERS riding on the aircraft's extended cargo ramps.



PRODUCT DEMONSTRATIONS

產品展示



When heavy, bulky machinery is required for product demonstrations or at trade shows, **ROLLERS** are often called into service. Here standard steel chain **ROLLERS** are used to position this machine needed for a demonstration. Floor protective nylon chain rollers are also available. Nylon Rollers are often used for moving heavy equipment on delicate showroom floors.

MACHINERY MODULAR SLIDE



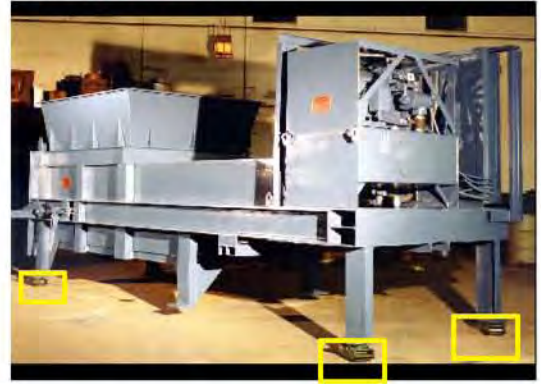
整組機件滑動

The modified **ROLLERS** act as sliding devices on the modular components of this corrugated rotary die cutter. The rollers allow each module to slide out for assembly into various configurations or for servicing.



WASTE COMPACTOR 廢棄物壓縮機

This 35 ton waste compactor is easily shuttled into place on four 15 ton **ROLLERS**.



STEEL COILER 鋼捲捲取機調整 ADJUSTMENT BEARING 支撐點



This machine is used to bend and coil steel. Because of the highly repetitive nature of the moves this equipment makes, the

ROLLERS feature a keyway chain and are built into the machinery to act as a high capacity sliding device.

SAN FRANCISCO TROLLEY RESTORATION

舊金山滑車再儲存



ROLLERS were used to create the transfer system utilized by San Francisco Municipal in the major restoration of their famous trolley cars. As the cars were brought off line, they were rolled down a ramp and transferred onto a mobile cart. The cart used (6) modified **ROLLERS** with an Accu-Roll Guidance System to ride on a flat bar track and was used to roll the trolley to the various refurbishing stations.



移動式製造廠

MOBILE MANUFACTURING



In this application, **ROLLERS** provided a method of quickly relocating the production cells within this facility to accommodate assembly of different sized hard disk drives. Production cells in the assembly lines are located in a "clean environment" so N.5-SP Nyton Rollers are used to protect the floor. Rollers in this application allow the manufacturer complete flexibility in relocating the assembly cells to any part of the manufacturing area.

AIRCRAFT PAINT BOOTH



航運噴漆室

With only 6" of clearance, the normal method of towing could not be used to move Boeing 737 aircraft in and out of the paint hanger. Three special carts equipped with **ROLLERS**, one under each landing gear, provided the solution. The nose wheel cart is equipped with (4) 20-NT style rollers and a flanged wheel that runs on rail and provides precise unidirectional steering. Each of the other two carts are equipped with (5) 20-NT style rollers.



移動荷重物

MOVING HEAVY LOADS

Maintenance personnel can easily move and install bulky, heavy machinery using low profile:

- **ROLLERS Kits**
- **ROLLERS Tri-Glide System**
- **ROLLERS Toe Jacks**

