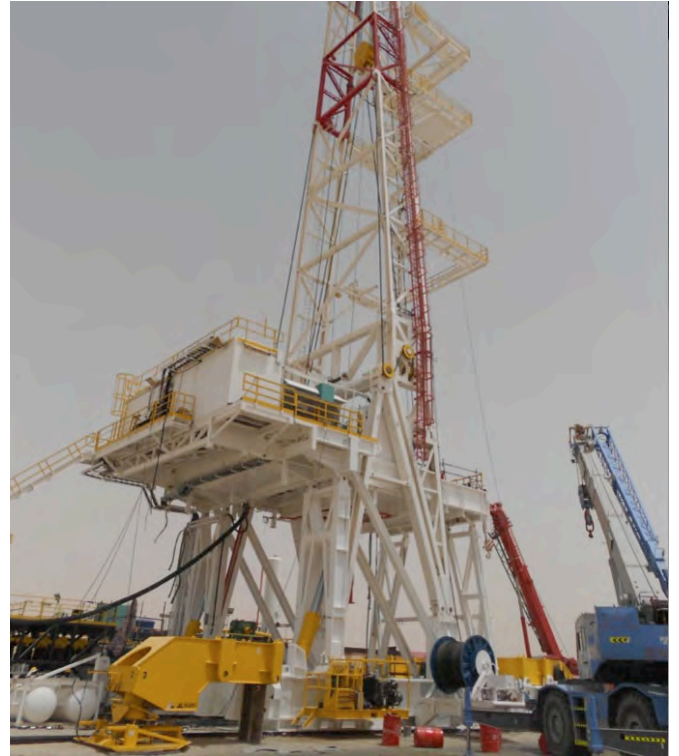


COLUMBIA

Rig Walking,
Wheeled Systems
and
Oilfield Solutions



COLUMBIA
INDUSTRIES



OVER 40 YEARS

For over 40 years, Columbia Industries has specialized in the design and fabrication of heavy equipment used in the oilfield and transportation industries. Our foundation has been built on a reputation for excellence in everything that we do. We take pride in our commitment to our customers, our products and services, and our team of outstanding employees.

We revolutionized trailer unloading technology with the Columbia Trailer Tipper, and continue to provide custom solutions to customers all over the world. Oilfield equipment includes rig walking systems, fast moving and self-propelled wheeled systems, module and camp trailers, pipe handling equipment, and hydraulic power units. Transportation equipment includes heavy duty off-road axles and suspensions, and trailer tippers for unloading of solid waste, biomass and bulk materials.

Why Choose Columbia?

Columbia Industries has provided custom solutions to our customers all over the world. Since the company's start in 1977, we have revolutionized transportation solutions and technology, setting the stage in the oilfield, trailer, landfill management and transportation industries. When you choose to work with Columbia Industries, you can be sure of our reliable, safe and innovative dedication to your project. Since we design and build our products in house, our products are turn key.

Columbia has delivered solutions for many customers all around the world, including China, UAE, Australia, Canada, South America and the USA.

01 Global Presence



Columbia has continued to pave the way for transportation solutions in many industries. Our innovative team is always developing new concepts.

02 Revolutionary



Columbia's top priority is the safety of its employees and customers. When you buy a product from us, you can be sure its safety measures are beyond standard.

03 Safe



Columbia ensures our customers are receiving reliable equipment. Our warranty program ensures our machines are working according to our high standard.

04 Reliable



All of our equipment is designed, engineered and manufactured in house; providing turnkey solutions for our customers.

05 Turnkey



The Columbia Mission

Creating Incredible Solutions to Transform Industries

SOLUTIONS

We are problem solvers to some of industry's most difficult issues



INCREDIBLE

We create solutions that are astounding, and make people say, 'that's incredible'



TRANSFORM

This word applies to our product, our people and when we deliver incredible solutions it will apply to our customers



CREATING

We create from ideas born in a culture of engineering innovation



INDUSTRIES

This word ties us to our strength and keeps us in our lane, so that we are not distracted by other markets



THE COLUMBIA MISSION





PARTS SUPPORT

Columbia Industries is here to support you and provide expert advice on any part you may need with certified OEM parts.



START UP

Columbia offers the support of our FSR team for the proper set-up, functionality and training for your new tipper. One of our Field Service Representatives (FSR) will come to the location of your new tipper and ensure it is functioning properly.



REFURBISHMENT & INSPECTION PROGRAM

Columbia offers an equipment refurbishment program that restores the functionality of your tipper back to factory specifications. Every refurbishment starts with a detailed FSR inspection report, so you know exactly what to expect when making a decision about the life of your equipment. Refurbishments are a cost effective way to extend the life of your equipment and help manage the usefulness of your capital equipment.

CREATING INCREDIBLE SOLUTION THAT TRANSFORM INDUSTRIES



SOLID WASTE AND BIOMASS INDUSTRIES



METAL & SCRAP RECYCLING INDUSTRY



AEROSPACE INDUSTRY



OIL & GAS INDUSTRY

AUTOMATION



PIN-ON WALKING SYSTEMS



SUBSTRUCTURE WALKING SYSTEMS



WHEELED MOVING SYSTEMS



PIPE HANDLERS



HEAVY OFF-ROAD AXLES



CUSTOM DESIGN AND BUILD



CUSTOM CONTROLS



INNOVATIVE WALKING SYSTEMS

Power Walker 360°

(PW360°)

ANY DIRECTION - ANY TIME!

Columbia's newest technology in oilfield equipment is the **Power Walker 360°** using Slew Drive Technology. Utilizing remote powered steering (RPS) and a full range of motion. The system maneuvers heavy equipment with extreme precision; allowing you to **move your rig any direction, any time!**

Range of motion and capabilities include:

- Longitudinal
- Lateral
- Angular travel
- Spin Modes,
- Increased torque during the steering.
- Self-contained drive gear
- More rugged and reliable in the harshest of conditions than previous systems
- Maintenance free steering sytem
- Redundant controls (manual override at valve) allow for manual system operation

Capacity: Scalable capacity from 1,000,000 lbs. to well over 12,000,000 lbs.

Cycle Time: Approximately 30 inches of travel in 90 seconds and allows for precise positioning of the entire structure within 1/4".

Steering: Automated steering system allows for precise steering angle changes through use of the handheld remote. Steering options included straight, lateral, crab and spin.



Our wireless remote option allows you to move your rig from a distance with ease!

Sprinter Walking System (SWS)

SUBSTRUCTURE WALKING SYSTEM

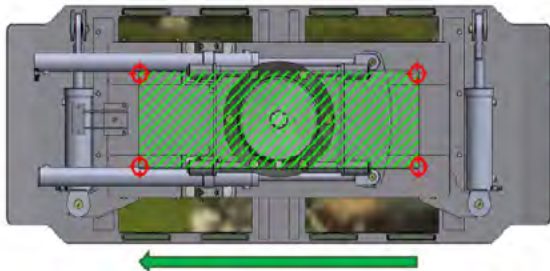
REACH THE WELLHEAD IN LESS TIME



WHEN SPEED AND ACCURACY MATTER

True Translation

Reach all four corners and anywhere in between!



Extended Travel Longitudinal

Why does "True Translation" matter?

- Instantly switch directions during a move in a 1800 square inch area without setting the rig down to reset the foot
- Reach the wellhead in less time than any other system in the world
- Worry free operation, you are always able to shift fully to the side anywhere along the travel stroke, manual or automatic operation
- No fuzzy math needed to operate manually, straight XY movement
- System capable of integrating within main rails of a lower substructure, giving operator a much larger longitudinal stroke than standard insub walking systems

Capacity: Scalable capacity from 1,000,000 lbs. to well over 12,000,000 lbs.

Cycle Time: Approximately 48 inches of longitudinal travel and 16 inches of lateral travel every 2 minutes for precise positioning of the entire structure within 1/4".

Steering: Automated steering system allows for precise steering angle changes through use of the provided handheld remote. Steering options included straight, lateral, crab and spin.

KODIAK CUB

PIN-ON WALKING SYSTEM

The Columbia **Kodiak Cub Rig Walking System** is designed to move drilling rig substructures. This system can be engineered to fit and attach (pin on) your rig.

Additional system features include:

- Scalable to meet any lifting requirement
- Safe, low pressure hydraulic lift and roll system
- Accurate and easily-adjustable steering
- Can be retrofitted to existing rig substructures
- Easily moved in trailer-sized loads
- Various methods of operation including main console, wired pendant or wireless remote

-Capacity

Capacities from 500,000 lbs. up to 4,000,000 lbs. are available.

-Cycle Time

Approximately 90 seconds to travel 30 inches allows for precise positioning of the entire structure within 1/16".



LITTLEFOOT

SUBSTRUCTURE WALKING SYSTEM

-Scalable Capacity and Custom Design

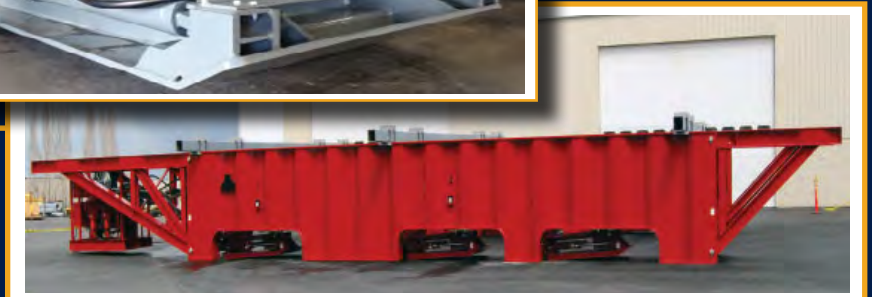
Standard beam lengths from 20' to 70'. Beams can be pinned together for increased lengths and capacities. Scalable capacity to 12,000,000 lbs. or more.

-Cycle Time

The standard configuration will move up to 30 inches per stroke with a cycle time of 90 seconds.

The Columbia **Littlefoot Substructure Walking System** is a scalable-capacity drilling substructure and backyard moving system designed to safely and efficiently move heavy structures remotely.

- Controlled remotely by a wireless pendant
- Our signature jack assemblies allow steering the load on tight pads, including transverse, crab and even spin mode
- Safe and efficient system, capable of working in the harshest environments including sub-zero temperatures and desert environments
- Easy and efficient transport and set up makes it possible for a small crew to set up with basic equipment
- The design concepts employed by Columbia Industries in this design are customizable and scalable
- Optional Remote Operated Steering System (ROSS) automates steering and improves cycle time
- The oversized walker bearing area is designed to keep ground bearing pressures at a minimum



BIGFOOT

PLANK STYLE SUBSTRUCTURE WALKING SYSTEM

FOR LONG, LINEAR MOVES

The **Bigfoot Plank Style Walking System** is a substructure moving solution controlled either by a hard-wired or wireless pendant.

- Utilizes rollers paired with lift cylinders and a safe low-pressure hydraulic system to lift the main walking beams that carry the rig weight
- Scalable capacity from 2,000,000 lbs. to well over 12,000,000 lbs, with an approximate cycle time of 6 feet every two minutes, within 1/4" accuracy.
- Efficient system and capability of working in sub-zero temperatures and desert environments.
- Easy and efficient transport and set up makes it possible for a small crew to set up with basic equipment.
- The design concepts employed by Columbia Industries in this design are customizable and scalable.
- Center plank design allows for greatly reduced bearing pressure.
- Straight, simple, complimentary, crab and spin steering moves

-Capacity

Scalable capacity from 2,000,000 lbs. to well over 12,000,000 lbs.

-Cycle Time

Approximately 6 feet every two minutes allows for precise positioning of the entire structure within 1/4".



PIPE HANDLING EQUIPMENT

Columbia offers standard and customized pipe handling equipment designed to meet your exacting requirements



HEAVY DUTY OFFROAD WHEEL & AXLE SOLUTIONS

Columbia's engineered axle and wheeled solutions can transport your heaviest application in the toughest environment



CUSTOM DESIGN

Columbia Industries continues to lead the way in customization for specialized transport systems. From simple steel wheeled dollies and camp mobility solutions, to a mobile mast systems designed to dock the worlds largest airships, Columbia has the ability to solve your application through modern innovation and quality manufacturing.



CERTIFIED MANUFACTURING TO API AUDITED STANDARDS.



1-681

CUSTOM HYDRAULIC POWER UNITS & MAST DOLLIES

HYDRAULIC POWER UNITS



MAST DOLLIES





COLUMBIA

INDUSTRIES

CUSTOM DESIGN & BUILD



RIG WALKING SYSTEMS



HANDLERS & HYDRAULICS



MATERIAL TIPPING SOLUTIONS



WHEELED MOVING SYSTEMS



HEAVY DUTY AXLE SOLUTIONS



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