



SMACO

Sharing Handling Solutions

ISO 9001 - 2008 Certified



Process Cranes
Industrial Cranes
Standard Cranes
Construction Cranes
Port Cranes

**25 Years Experience in
Development & Manufacture of Material Handling Equipments**



SMACO and team are committed to manufacture best quality lifting and material handling products as per application demand. Our vision is to provide most suitable material handling solutions that will add value to your business.

SMACO is one of the India's leading manufacturer of cranes for industries such as POWER, STEEL, CONSTRUCTION, RAILWAYS, REFINERIES, CEMENT, PORT, MINING, SHIPYARD, IRRIGATION SCHEMES, NUCLEAR POWER PLANTS & GENERAL MANUFACTURING.

SMACO has delivered over 1000 cranes and we have decades of experience in making sure they work efficiently and reliably in mills and other production facilities.

SMACO has been accredited with ISO 9001:2000 by B.M.TRADA, meeting third party International Inspection Standards.

Explore and experience the bigger avenue in the world of cranes at www.smacocranes.com

SMACO

A Progressive Indian Crane Supplier

By using Smaco's products you are assured of:

- Quality
- Reliability
- On Time Delivery
- 24/7 Sales & Service Support

Product Profile

Overhead Traveling Cranes Standard / Explosion Proof / Spark Proof (Double Girder)	UPTO 250TONS For Gas Group IIA/ IIB/ IIC
Overhead Traveling Cranes Standard / Explosion Proof / Spark Proof (Single Girder)	UPTO 20 TONS For Gas Group IIA/ IIB/ IIC
Gantry Cranes	UPTO 100 TONS
Jib Cranes	UPTO 10 TONS
Electric Wire Rope Hoist Standard / Explosion Proof / Spark Proof. For Gas Group IIA/ IIB/ IIC	UPTO 20 TONS
Shielding Doors	UPTO 200 TONS
Transfer Trolleys	UPTO 300 TONS

EOT Cranes



We are engaged in offering EOT Crane that is known for optimum tolerance capacity and robustness. Our EOT Cranes are manufactured using high-grade material and technologically advanced machinery. These products are manufactured using excellent quality raw material by employing latest machines and tools.

Specification:

- **High Efficiency:**

- (1) SMACO Equipments are designed for High Speed operation to give increased productivity.
- (2) Precision workmanship of all components minimizes losses and increases efficiency.

- **Smooth operation:**

- (1) Gears having precision hobbled teeth which are heat-treated.
- (2) Antifriction bearings on all high speed rotating parts.

- **Remote control EOT Cranes:**

Radio Remote control operation is offered with 50 to 100 mtrs. range and upto 200 mtrs. as optional features

- **Flame - Proof:**

Flame-Proof Crane upto 250 TON capacity for Gas group IIA, IIB & IIC are manufactured by us in accordance with IS standards. Such equipments are supplied to

M/s P.D.O.- Oman, HOMS Refinery- Syria, ONGC- India & ARAMCO- Saudi Arabia.

Features:

- Box type construction for Bridge Girders.
 - A tapered plate design is incorporated for Joining of end-carriages to the Girders there by ensuring smooth flow of stresses.
 - The end carriages are incorporated with L.T. wheels machined out of EN-8 forged blanks and mounted on 'L' type bearing housings with anti-friction bearings.
 - **Ease of maintenance:**
 - (1) All parts requiring maintenance are made easily accessible.
 - (2) Number of parts requiring frequent maintenance is kept to minimum.
 - (3) Single & Double roller / self aligned type bearings are used for wheels.
 - (4) Thrust bearings are used for Hook Swivelling
 - (5) Shrouded type bus bar system with spring loaded current collectors are used for uninterrupted power supply
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Single Girder EOT Crane



We offer an outstanding range of Single Girder EOT Crane which are widely used for safe and heavy material load shifting especially in factories, workshops and warehouses. These provide easy access in all the directions including cross travel, vertical movements and long travel. Our machines ensure optimal performance even in adverse conditions.

Features:

- Optimal performance
- Safe and heavy material load shifting
- Outstanding load bearing capacity

Specification:

- Capacity: 0.5 to 20 Ton

Double Girder EOT Crane



We are among the prominent organizations engaged in manufacturing and supplying superior quality Double Girder EOT Crane. These cranes are used for material handling and are best suited for both medium and heavy duty operations. These kind of Cranes are generally used when heavy loads and wide spans are needed. These double girder EOT cranes are widely used in all types of industries.

Features:

- Excellent performance
- Rugged construction
- Easy to operate

Specification:

- Capacity: 1-250 Ton

Special Features Offered for EOT Cranes:

- Radio Remote control operation is offered with 50 to 100 mtrs. range and upto 200 mtrs. as optional features.
- VVVF Drive Control for Hoisting / CT & LT Motions is offered for smooth operation.

HOT Cranes

We offered excellent quality hand operated cranes from 1 ton to 20 tons with INDEF make chain pulley blocks. These cranes are generally used where there is electricity shortage and low of cost.

Features:

- High Quality
- Durable
- High Performance
- Alloy Steel Grade Chains
- Zero Maintenance

Specification:

- Capacity: 1-20 Ton



Gantry Crane

Gantry Crane Single Girder



We offer a unique range of Gantry Crane Single Girder which is ideal material handling equipment for various industries. These Gantry Cranes are available in single girder type. Manufactured using quality material, these indoor Industrial Gantry Cranes & outdoor Industrial Gantry Cranes are appreciated for their durability and optimum performance.

Specification:

- Capacity: 0.5 to 15 Ton

Gantry Crane Double Girder



We offer a unique range of Gantry Cranes Double Girder which is an ideal material handling equipment for various industries. These Gantry Cranes are available in double girder type. Manufactured using quality material, these indoor Industrial Gantry Cranes & outdoor Industrial Gantry Cranes are appreciated for their durability and optimum performance.

Specification:

- SMACO Equipments are designed for High Speed operation to give increased productivity.
- Precision workmanship of all components minimizes losses and increases efficiency.
- Gears having precision hobbled teeth which are heat treated.
- Raw materials are subjected to ultrasonic testing while important weldments are radiographed.
- Rigid Inspection procedures at all stages of manufacturing to ensure unfailing dependability.
- **Capacity:** 5-100 Ton

Features:

- Box type construction for Bridge Girders.
- A tapered plate design is incorporated for Joining the end carriages to the Girders thereby ensuring smooth flow of stresses.
- The end carriages are incorporated with L.T. wheels machined out of EN-8 forged blanks and
- Mounted on 'L' type bearing housings with anti-friction bearings.
- Robust construction
- Low maintenance cost
- All parts requiring maintenance are made easily accessible. Number of parts requiring frequent maintenance is kept to minimum. Wearing part can be easily removed and replaced thus reducing down time.
- Radio Remote control operation is offered with 50 to 100 mtrs. range and upto 200 mtrs. as optional features.
- VVVF Drive Control for Hoisting / CT & LT Motions is offered for smooth operation.

Jib Crane



We are instrumental in providing extensive range of Jib Crane which are highly reliable and efficient in operations. Developed after extensive research, these are highly acknowledged for their outstanding attributes, such as smooth, easy rotation and longer service life.

Specification:

- **Bearings:** Double roller self aligned type bearing with Thrust & Roller Bearing to take care of horizontal and vertical loading as well as radial thrust.
- **Swivelling:** Through chain at the end of the Jib arm and / or hand cranking for easy manual swivel, alternately electrically operated swivelling upto 360 degree are offered on request.
- **Rotation:** 360 degree- Manual / Electrical.

Capacity: 0.5 to 10 Ton

Electric Wire Rope Hoist

Flameproof Electrical Wire Rope Hoist



Flameproof Wire Rope Electric Hoists are generally used in oil & gas industries, chemical industries or in hazardous areas where explosion is possible due to mechanical/electrical sparking; for gas groups IIA/IIB & IIC.

To avoid the explosion, electrical components are used with flameproof enclosures to defuse the sparking. These enclosures are certified by CMRS/PESO.

In case of gas group IIC area, cladded wheels are used to avoid mechanical sparking due to friction.

Festoon type of trailing cable system is used for electrical supply to avoid electrical sparking. Double compressed flameproof cable glands are used in SMACO Flameproof Hoists.

Flameproof Components:

- Control Panel
- Hoist Motor
- Cross Travel Motor
- Brake
- Limit Switches
- Pendant Push Button
- Cable Glands

Standard Electric Wire Rope Hoist



We are one of the leading manufacturers of a wide range of Electric Wire Rope Hoist made in accordance with international standards. Designed in accordance with the industrial standards, its components are easily accessible for service and maintenance. All our products have excellent hosting speed, which saves the time of user and enhance productivity.

Specification: ■ Bearings life: 9000 hrs ■ Capacity Range : 0.5 MT - 20 MT ■ Hoist Type : Power Operated

Features:

- Design: SMACO Hoists are designed as per IS: 3938 for Class- II & Class III duty operations.
- Rope Drum: Rope drum is manufactured from seamless pipe machined and grooved on working surface. The drum is supported on two deep groove ball/roller bearings.
- Bearings: Ball/Roller- Anti-friction Bearing of reputed make i. e. SKF/FAG or equivalent are used, rated life of bearings is not less than 9000 hrs
- Flame-Proof Hoists: (1) Flame - Proof Hoists upto 15 TON capacity for Gas group IIA, IIB & IIC are manufactured by us in accordance with IS standards. For such equipments we are approved by P.D.O -Oman. (2) Variable voltage and variable frequency drives are also fitted in the HOISTS on request.
- The trolley can be customized for a curved path
- Height of the lift can be customized as per requirement
- Speed of hoisting and cross travel can be customized

Model No.	SM-0.5	SM-1	SM-1.5	SM-2	SM-3	SM-5	SM-7.5	SM-10	SM-15
Safe Working Load	500	1000	1500	2000	3000	5000	7500	10000	15000
No. of Falls	2	2	2	4	4	4	4	4	4
Height of Lift (mtrs)	6	6	6	6	6	6	6	6	6
Hoisting Motors (hp)	1	2	3	3	5	7.5	7.5	10	15
Travel Motors (hp)	0.25	0.25	0.25	0.5	0.75	1	1	1.5	2
Travel Speed (mtrs/min)	15-20	15-20	15-20	15-20	15-20	15-20	15-20	15-20	15-20
Minimum size of ISMB	150	150	200	250	250	300	450	500	600
Minimum Radius	1500	2000	2000	2000	2500	2500	2500	2500	3000
Approx. Net Wt	150	250	300	350	450	900	1000	1100	1400

Transfer Trolley



We are a well established manufacturer and exporter of Transfer Trolley. Our products are manufactured using standard quality materials and advance techniques. The offered range of Material Transfer Trolley are available in varied sizes to cater to the diverse requirements of our esteemed clients. Apart from lifting transformer, it can move transformers from one place to another. This model does not incorporate any pallet.

Specification:

- Capacity: 10 to 300 Ton
- Material: Steel

Features:

- Quality tested
- Easy to operate
- Durable
- Heavy load bearing capacity

Customer Service

Customer Service is one of the key aspects that drive our major attention. At SMACO, we understand that business objectives and growth rely on the smooth operational and manufacturing processes. We offers specialized maintenance and modernization services for all types of cranes and material handling equipment. These services can be applied to a single piece of equipment or across your entire operation, boosting the productivity and safety of material handling processes. A commitment to excellent, proactive, and real-time service is one of SMACO' strategic priorities.

Crane Maintenance:

- Preventive Maintenance
- Upgrades & Retrofits
- Crane Reliability Survey
- Critical Components Assessment
- Inspections
- Crane Parts / Repairs
- Wire Rope Inspection
- Maintenance Assessment Plan

Training:

- Maintenance Training
- Operator Training

Spare Parts:

- Advanced Parts Services
- Spare Parts Contacts
- Prescription Parts
- Reverse Engineering
- Original Equipment Rebuilds
- Parts Modernizations

Crane Modernizations:

- Crane Relocation
- Crane & Hoist Modernizations



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Smaco Engineering Pvt Ltd.

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