

A detailed technical drawing of a COGITOO MH material handling system. The drawing shows a long, narrow structure with various components, including a central motorized unit, end assemblies, and a series of rollers or supports. Labels include 'WHEEL BASE' at the top right, 'SPAN' in the middle, 'END CLEARANCE' at the bottom left, 'HAL' with a flame symbol at the bottom left, 'HAR' with a flame symbol at the bottom right, and 'HEAD ROOM' at the bottom right. The drawing is rendered in a light gray color on a dark blue background.

COGITOO MH

MATERIAL HANDLING SOLUTIONS

COGITOO MH

MATERIAL HANDLING SOLUTIONS

Our Vision:

To be the most trusted name in Material Handling, setting gold standards for Crane Engineering and Industrial Efficiency across India and beyond.

Our Mission:

Empowering industries with high performance handling solutions that maximize productivity, prioritize operator safety, and deliver long term value through engineering excellence.

Our Values:

- We don't just sell cranes, we solve problems alongside our clients
- Our equipment is the backbone of your operations, we ensure it never fails
- Responding quickly to the evolving needs of the modern manufacturing landscape

COGITOO MH

MATERIAL HANDLING SOLUTIONS

INTRODUCTION

At Cogitoo MH we believe that a crane is more than just a piece of machinery – it is the pulse of your production line. Based in the Eastern and Southern parts of India, we specialize in designing and manufacturing high performance material handling solutions tailored to the rigors of modern industry.

Our approach is built on two simple pillars: undisputed strength and flawless engineering. Every system we build is a result of meticulous planning and a deep understanding of the stresses of material handling. We don't just move loads, we move businesses forward by providing equipment that operate with absolute precision, shift after shift.

From initial design to final destination, Cogitoo MH is committed to delivering safety, durability, and a level of reliability that only true engineering expertise can provide. When the success of your operation depends on how efficiently you can lift, you need a partner who understands the weight of that responsibility.

TEAM LEADS



SANTANU DAS - Director

With a distinguished career spanning over 30 years in manufacturing and 15 years specialized in crane building, Santanu Das is a veteran of the material handling industry. His foundational experience includes working in association with well established companies like Demag Cranes, where he honed a deep-seated commitment to precision engineering and international safety standards. A visionary entrepreneur, Santanu co-founded Cogitoo Cranes before establishing Cogitoo MH to provide a truly comprehensive 360-degree approach to material handling.



PINTU MAJI - Director

Pintu Maji is a cornerstone of the leadership team at Cogitoo MH, bringing a sharp technical edge to the company's operations. A qualified professional in Mechanical Engineering, Pintu has dedicated the last 12 years to mastering the intricacies of crane service and sales. His deep understanding of mechanical and Electrical systems allows him to bridge the gap between complex engineering requirements and client-focused solutions. His expertise is vital in maintaining the high service standards that Cogitoo MH clients across Kolkata have come to depend on.

SOME OF OUR ESTEEMED CLIENTS

- Ellenbarrie Industrial Gases Ltd
- **Anglo India Jute & Textile Industries Pvt Ltd**
- **Ashirvad Pipes Pvt.Ltd**
- Automotive Axles Limited
- **Budge Budge Company Limited**
- Cde Asia Ltd.
- **Dalhousie Jute Company**
- Exide Industries Ltd
- **Fort Gloster Industries Ltd**
- Giridhan Metals Pvt. Ltd

- **HINDUSTHAN ENGINEERING INDUSTRIES Ltd.**
- IFB Industries Limited
- **Jagdambay Polypet**
- Kamarhatty Co. Ltd.
- **RDB TEXTILES**
- Special Engineering Services Ltd .
- **SAIL RITES BENGAL WAGON INDUSTRY PV. LTD**
- Tega Industries limited
- **Vedanta Ltd**

COGITOO MH

MATERIAL HANDLING SOLUTIONS

Cogitoo MH has a manufacturing facility in Kolkata the image of which is attached below



Manufacturing Facility: 6000 SQ. FT SHADED FLORED AREA 10000 SQ. FT OPEN FLORED AREA.



Standard Overhead Cranes

Our flagship overhead crane systems represent decades of engineering excellence. Designed for maximum reliability and operational efficiency, these heavy-duty cranes are built to handle the most demanding industrial applications with precision and safety.

Robust Construction

Heavy-gauge steel steel box girders engineered for maximum load capacity and minimal deflection

Precise Control

Advanced hoist systems with variable speed controls for accurate load positioning

Safety First

Comprehensive safety features including overload protection and emergency stop systems

Semi-Gantry Cranes

Our semi-gantry cranes combine the benefits of overhead and gantry designs, ideal for facilities with structural limitations or where runway support is available on only one side. Perfect for outdoor-indoor transitions and warehouses with existing building support.

Versatile Installation

One side runs on elevated runway, the other on floor-level rails—maximizing facility space utilization while working within structural constraints.

Key Applications

- Loading docks and shipping areas
- Facilities with asymmetric layouts
- Outdoor-indoor material transfer zones
- Warehouses with partial overhead support





Jib Cranes

Maximize workspace efficiency with our versatile jib crane systems. These compact, high-performance cranes deliver exceptional lifting capability in a small footprint, perfect for workstation lifting, machine tending, and localized material handling operations.



360° Rotation

Full rotation capability for maximum coverage area and operational flexibility



Multiple Mounting

Wall, floor, or column-mounted configurations to suit your facility layout



Space Efficient

Minimal footprint design maximizes valuable floor space in your operation



Light Cranes Systems

Our light-capacity crane range delivers reliable performance for lighter industrial applications. Engineered with the same precision as our heavy-duty systems, these cranes offer excellent value for operations with modest lifting requirements.

Cost-Effective

Economical solution for light to medium-duty applications without compromising on quality or safety standards

Quick Installation

Streamlined design allows for faster installation and minimal disruption to your operations

Low Maintenance

Simplified mechanical systems reduce maintenance requirements and operational costs over the equipment lifecycle

Special Projects: Low Headroom Cranes

When vertical space is at a premium, our low headroom crane designs deliver full lifting capacity within constrained ceiling heights. These specialized cranes are engineered to maximize hook height while minimizing the overall crane profile.



Benefits

Maximize building utilization, retrofit existing facilities, and gain lifting capability where traditional cranes won't fit.

Engineering Innovation

Compact hoist design and optimized structural configuration provide maximum lifting height in facilities with limited overhead clearance.

Special Projects: Underslung Cranes

Our underslung crane systems suspend from the bottom flange of building beams or overhead runways, providing an efficient lifting solution that doesn't require dedicated crane support structures. Perfect for maximizing existing building infrastructure.

Utilizes Existing Structure

Mounts directly to building beams, eliminating need for separate runway columns

Preserves Floor Space

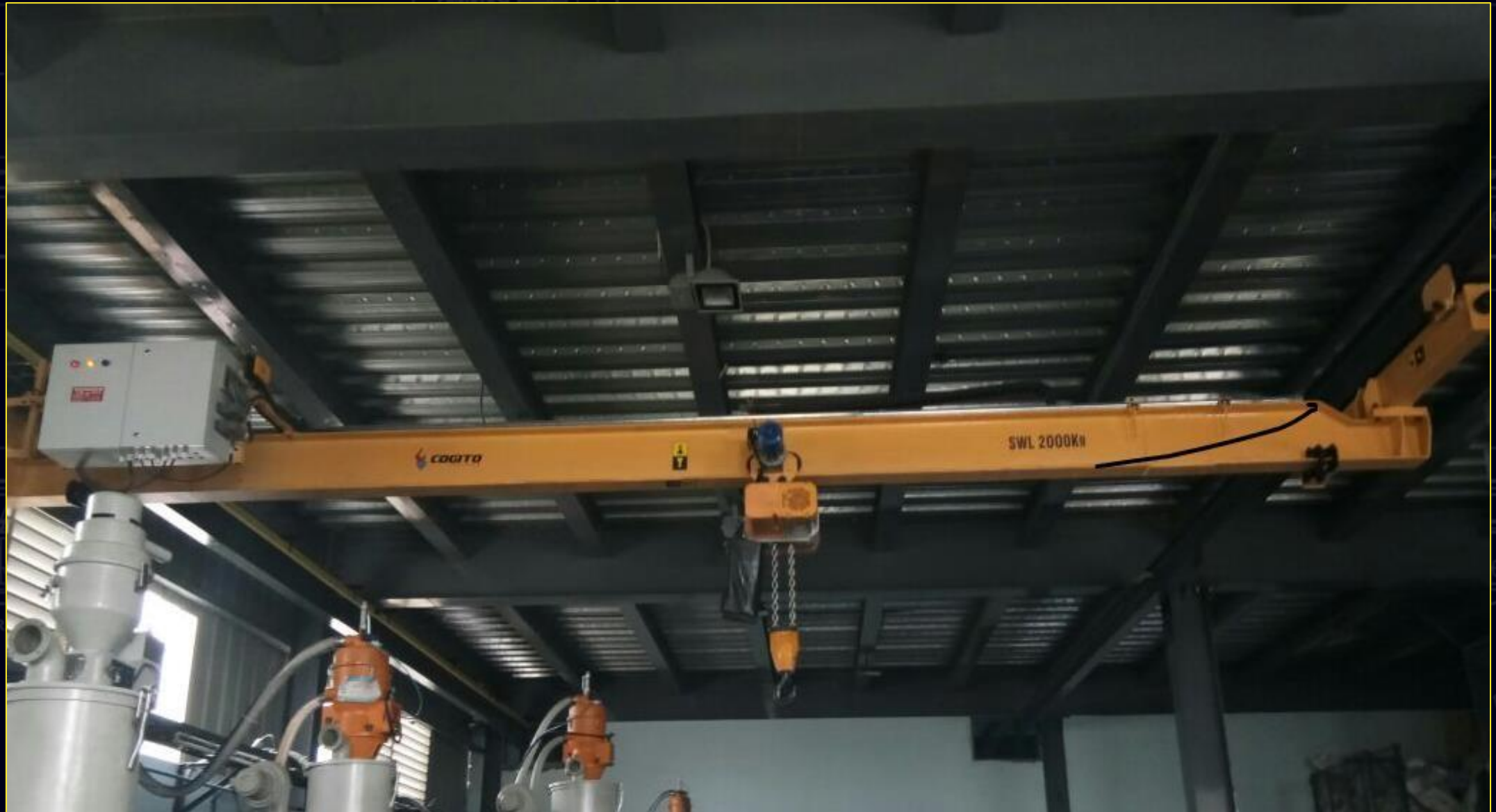
No floor-mounted supports means maximum usable workspace below the crane

Cost Savings

Reduced structural requirements translate to lower installation and building modification costs

These specialized crane systems demonstrate our capability to engineer custom solutions for unique operational challenges. operational challenges. Contact our technical team to discuss your specific requirements.

Special Projects: Underslung Cranes



Special Projects: Knuckle Jib



Engineered solutions for demanding industrial applications. Our custom jib crane systems deliver precision handling and exceptional reliability for specialized material movement challenges.

Special Projects: Semi Gantry Cranes



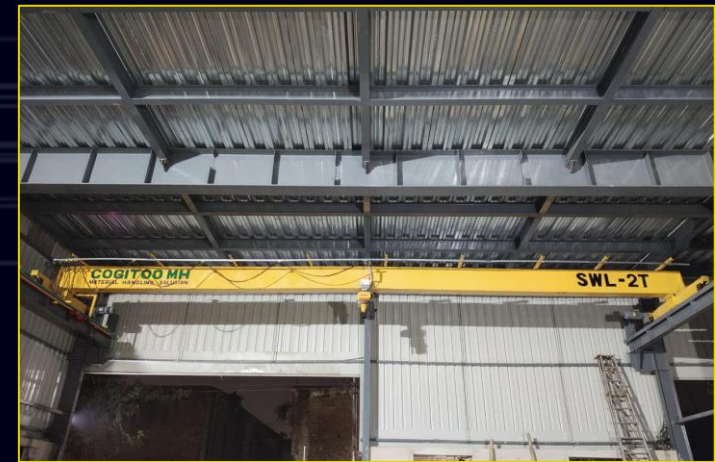
Innovative semi gantry configurations optimize floor space utilization while maintaining heavy-duty lifting capacity. Ideal for facilities requiring flexible material handling without complete overhead infrastructure investment.

Special Projects: Wall Mounted Jib



Space-efficient lifting solutions that maximize your operational footprint. Our wall mounted jib cranes provide robust performance while eliminating the need for floor-mounted support structures, perfect for constrained industrial environments.

Special Projects: SGEOT Crane with Demag Hoist



Special Projects: Low Headroom DGEOT Crane

Key Features

- **Compact Design:** The crab (trolley) is engineered to sit lower between the two girders, significantly reducing the "dead space" between the hook and the ceiling.
- **Double Girder Stability:** Unlike single girder units, the double girder structure offers superior stability, making it ideal for spans over 18-20 meters and capacities exceeding 10 tons.
- **Maximized Lift Height:** It provides the highest possible hook approach, ensuring you can stack goods higher or clear tall machinery even in "tight" sheds.
- **Precision Control:** Usually equipped with Variable Frequency Drives (VFDs) for smooth starting and stopping, which is critical when operating in low-clearance areas to avoid swaying.



Special Projects: Low Headroom DG Gantry Crane



Special Projects: Monorail Crane

When your industrial workflow requires moving materials consistently between specific points, a **Monorail Crane** is the most efficient choice. Unlike larger bridge cranes, monorails operate on a single stationary beam, making them ideal for assembly lines, paint booths, and transport within narrow workshops.



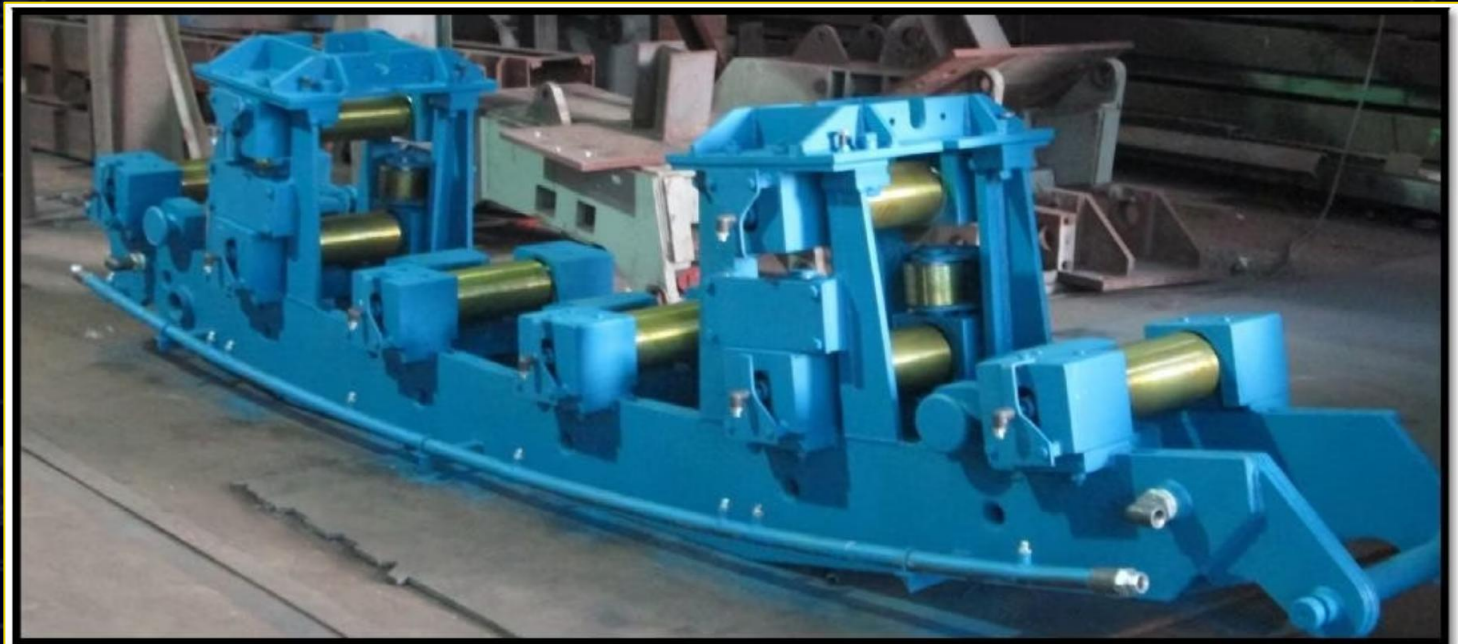
Special Projects: Low Headroom Crane with Self Supported Structure



Specialized Equipment Manufacturing

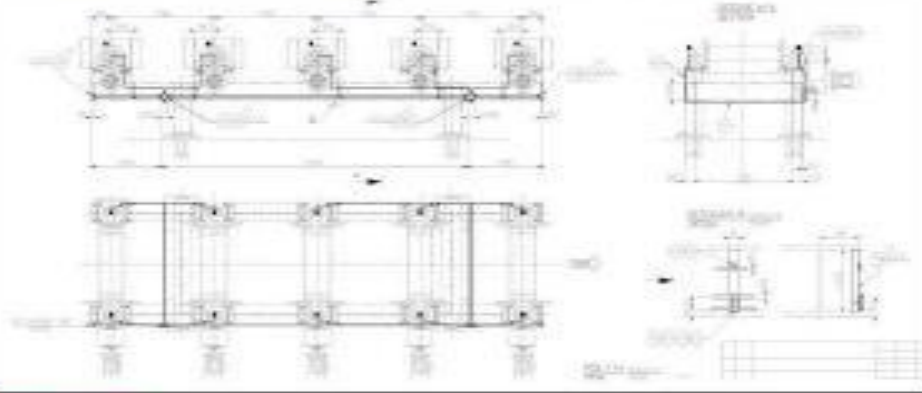
State-of-the-Art Production Facility

Our Kolkata unit specializes in custom-engineered material handling solutions for complex industrial requirements. Advanced fabrication capabilities enable us to deliver precision equipment across diverse sectors.

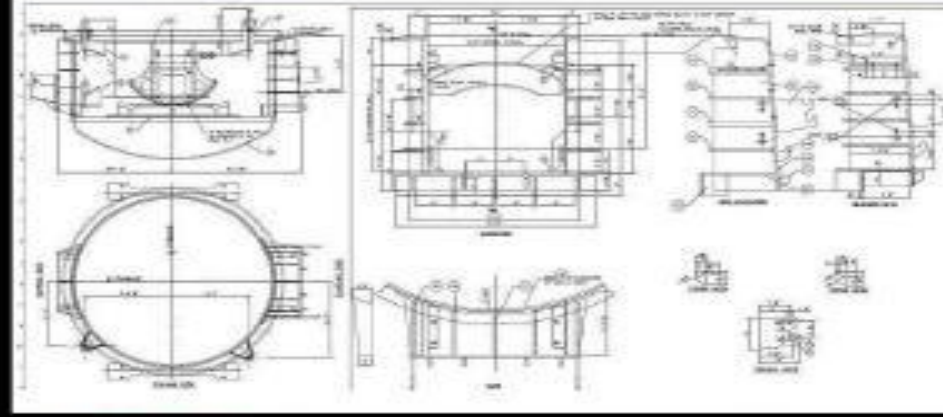


PRODUCT: FIXED BENDING SEGMENT, CONTINUOUS CASTING MACHINE
CLIENT: CONCAST INDIA LIMITED

Specialized Equipment Manufacturing



PRODUCT: BAY TRANSFER ROLLER TABLE
CLIENT: GILLANDERS ARBUTHNOT & CO. LTD.
END USER: RINL, VIZAC STEEL PLANT



PRODUCT: FURNACE SHELL MODEL 8
CLIENT: CHILLMEK ENGG. LTD.
END USER: KSRM STEEL PLANT, BANGLADESH

Specialized Equipment Manufacturing



Transfer Car

Specialized Equipment Manufacturing



PRODUCT: LADLE SEQUENCING CAR
CLIENT: CHILLMEK ENGINEERING LIMITED
END USER: ABUL KHAIR STEELS, BANGLADESH

COGITOO MH

MATERIAL HANDLING SOLUTIONS

Trade Name	Cogitoo MH LLP
Office Address	13A/45B, ARIFF ROAD, KOLKATA - 700067
Workshop Address	Village: Eksara, PO: Chamrail, PS: Liluah, Howrah- 711114 Near, Kona Highroad
Primary Contact	Pintu Maji 9748948071 pintu.cogitoo@gmail.com
Alternative Contact	Sayan Das 9073381434 sayan.cogitoo@gmail.com
GSTIN	19AAUFC9410C1ZB
LLPIN	ACM-7550
UDYAM AADHAR	UDYAM-WB-10-0153551