



# UNICORN



**Manufacturing Reliable Crane  
Systems for Industrial  
Applications.**

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## About UNICORN

UNICORN is the flagship industrial brand of Tanwar Fabrication Works, specializing in Crane Control Systems, Lifting Equipment, and Industrial Motion Control Accessories. Backed by strong engineering capability and precision fabrication infrastructure, UNICORN delivers reliable, safe, and performance-driven solutions trusted by OEMs, fabrication houses, process industries, EPC contractors, material handling firms, workshops, and government organizations.

Driven by a disciplined quality management system and a culture of continuous innovation, UNICORN ensures that every product meets stringent standards of performance, durability, lifecycle value, and operator safety.

## **Core Purpose**

UNICORN's core purpose is to empower industrial operations by delivering safe, reliable, and high-performance lifting and motion control solutions that enhance productivity, minimize downtime, and ensure long-term operational efficiency. Through engineering precision, customization capability, and disciplined manufacturing practices, UNICORN is committed to creating solutions that add measurable value across the entire lifecycle of industrial equipment.

## **Core Values**

UNICORN operates on a foundation of customer commitment, engineering integrity, and uncompromising quality. We believe in transparent business practices, responsible manufacturing, and continuous innovation driven by real-world industrial challenges. Every product we deliver reflects our respect for safety, performance, and long-term partnerships, ensuring trust, reliability, and consistency in every engagement.

# Our Certifications



GOVERNMENT OF RAJASTHAN  
State Emblem  
Department of Statistics  
Directorate of Economics & Statistics  
Rajasthan, Jaipur

**Sanstha Aadhaar Number (SAN)**

Name of Institution: TANWAR FABRICATION WORKS

Address: 195 TO 198 201 202, HANUMAN NAGAR VILLAGE-JAISALYA ROAD NO 17 V.K. AREA, GREATER JAIPUR, RAJASTHAN 302013

Major Activity: Manufacture of other machinery for mining, quarrying and construction n.e.c (2824)

Registration in Act: Factories Act, 1948

Applicant Name: MOHAMMAD RAFIQ, PROPRIETOR

Registration Date: 22 Dec 2025

**SAN : 8006540013001399**

Note: Sanstha Aadhaar Number (SAN) is meant to provide a Unique ID to all Institutions / Firms / Establishment / Autonomous Bodies / Government Offices / MDCs. SAN does not authenticate business activities, ownership, address, and name, functions and validity of institution. It does not provide any kind of right or access to any of its functions.

Maintained by: Additional District Sanstha Aadhaar Registrar, JAIPUR  
Software Courtesy: National Informatic Centre (NIC), Rajasthan  
SAN can be tracked on [san.rajasthan.gov.in](http://san.rajasthan.gov.in)

This is a computer generated certificate and does not require a signature.  
"Meri Sanstha Ki Pechchan, Mera SAN"

**Form-4  
(Prescribed under rule-5)  
Government of Rajasthan**



**REGISTRATION & LICENCE TO WORK A FACTORY**

Registration No.: RJ/37353 Fees Rs.: 2700/- per year  
Application No.: R-82756/CFB/2025

Licence is hereby granted to MOHAMMAD RAFIQ, valid only for the premises described below for use as factory employing not more than 20 persons on any day during the year and using motive power not exceeding 58 HP subject to the provisions of the Factories Act, 1948 and the rule made there under.

This licence shall remain in force till the 31st day of March 2027

Date: 16/01/2026  
  
Chief Inspector of Factories and Boilers  
Rajasthan, Jaipur

**Description of the licensed premises**

M/S TANWAR FABRICATION WORKS  
The licensed premises shown on Plan No. P-2811/CFB/2025, Date 09/01/2026 are situated in 195 TO 198, 201, 202, HANUMAN NAGAR VILLAGE-JAISALYA ROAD NO. 17 V.K. AREA, JAIPUR, JAIPUR and consist of MFG. OF EOT CRANE AND PORTABLE CABINE...

**Date of Renewal** 16/01/2026 **Date of Expiry** 31/03/2027 **Signature of Licensing Authority**  
  
Chief Inspector of Factories and Boilers  
Rajasthan, Jaipur

This is a computer generated certificate and bears scanned signature. No physical signature is required on this licence. You can verify this licence by visiting [www.rajsthan.gov.in](http://www.rajsthan.gov.in) and entering Application No./ID after clicking the link for verification on the page.



Government of India  
Form GST REG-06  
(See Rule 19(1))

**Registration Certificate**

Registration Number: 08ABDRPT3258M1ZM

1. Legal Name	MOHAMMAD RAFIQ	
2. Trade Name, if any	TANWAR FABRICATION WORKS	
3. Constitution of Business	Proprietary	
4. Address of Principal Place of Business	Plot No. 195, Hanuman Nagar, Gram Jodha, Road No 17, V. K. 1 Area, JAIPUR, Jaipur, Rajasthan, 302013	
5. Date of Liability	15/01/2018	
6. Date of Validity	From	21/05/2018
7. Type of Registration	Regular	
8. Particulars of Approving Authority		

Signature  
Name: Rajesh Kumar Yadav  
Designation: Superintendent  
Headquarters Office  
9. Date of issue of Certificate: 28/08/2018  
Note: The registration certificate is intended to be prominently displayed at all places of Business/Office in the State.

This is a system generated digitally signed Registration/Certificate issued based on the approval of application granted on

9/27/25, 2:39 PM  
Print - Udyam Registration Certificate

**UDYAM REGISTRATION CERTIFICATE**

**UDYAM REGISTRATION NUMBER** UDYAM-RJ-17-0040783

**NAME OF ENTERPRISE** TANWAR FABRICATION WORKS

**TYPE OF ENTERPRISE \***

S.No.	Classification Year	Enterprise Type	Classification Date
1	2025-26	Micro	01/04/2025
2	2024-25	Micro	27/04/2024
3	2023-24	Micro	09/05/2023
4	2022-23	Micro	26/06/2022

**MAJOR ACTIVITY** MANUFACTURING

**SOCIAL CATEGORY OF ENTREPRENEUR** OBC

**NAME OF UNIT(S)**

S.No.	Edging Andhra	Unit(s) Name
1	Memorandum	TANWAR FABRICATION WORKS
2	40174699121	TANWAR FABRICATION

**OFFICIAL ADDRESS OF ENTERPRISE**

Flat/Door/Block No.: 195 TO 202 Plot No.: 195 TO 202 Name of Previous Building: HANUMAN NAGAR  
Village/Town: JASALYA Block: -  
Road/Street/Lane: ROAD NO. City: Jaipur  
State: RAJASTHAN District: JAIPUR, Pin 302013  
Mobile: 9829777888 Email: [TANWARRAFIQ@YAHOO.COM](mailto:TANWARRAFIQ@YAHOO.COM)

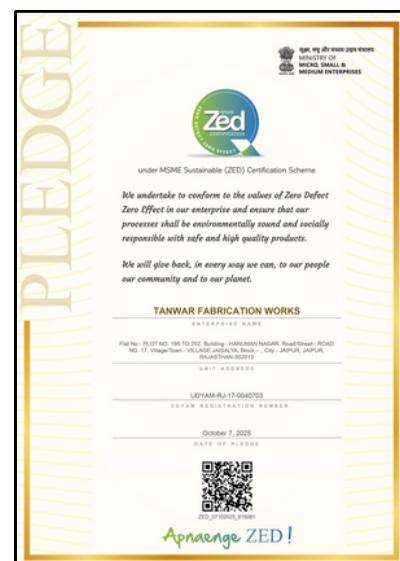
**DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE** 01/01/2002

**DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS** 01/01/2002

**NATIONAL INDUSTRY CLASSIFICATION CODE(S)**

S.No.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	20 - Manufacture of machinery and equipment n.e.c.	2014 - Manufacture of handling and lifting equipment, except parts thereof	20142 - Manufacture of handling and lifting equipment, except parts thereof	Manufacturing
2	31 - Manufacture of furniture	3100 - Manufacture of furniture	31002 - Manufacture of furniture, primarily of metal	Manufacturing

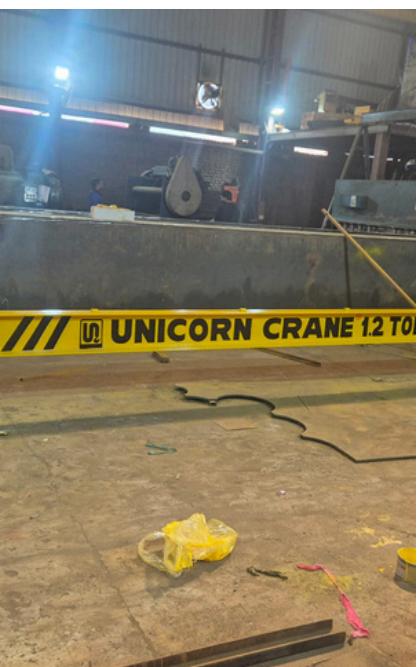
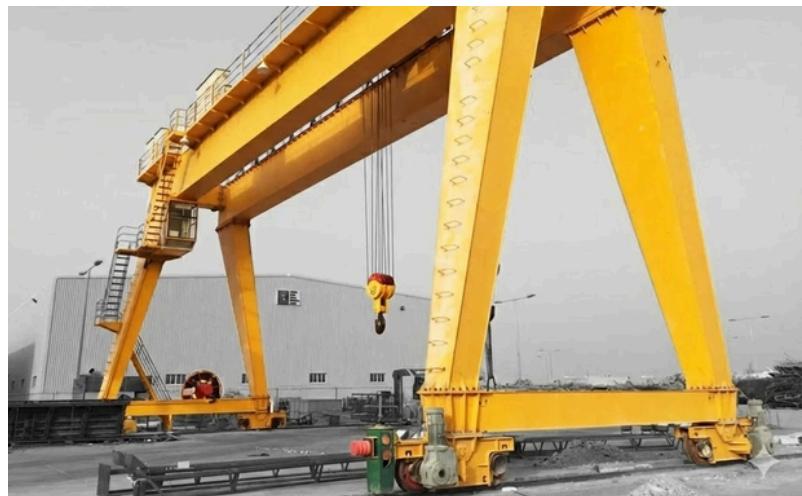
[https://udyamregistration.gov.in/Udyam\\_Users/Udyam\\_FrontApplication.aspx](https://udyamregistration.gov.in/Udyam_Users/Udyam_FrontApplication.aspx)



## Product Portfolio Overview

UNICORN designs, manufactures, and supplies a comprehensive range of crane and material handling solutions, including:

- EOT Cranes
- Electric Wire Rope Hoists
- Crane Limit Switches
- Crane Brakes
- Shrouded Busbar (DSL) Systems
- C-Rail Festoon Systems
- Resistance Boxes
- Control Stations & Master Controllers
- Radio Remote Control Systems
- Brake Drums & Couplings
- Cable Reeling Drums
- Crane Anti-Collision Devices
- Cable Carriers & Trolleys
- Industrial Cables and Crane Accessories



Jaipur to Guwahati





## **EOT Cranes**

UNICORN offers a complete range of material handling and lifting cranes engineered for demanding industrial environments. Designed for high reliability, low maintenance, and long service life, UNICORN EOT Cranes are widely deployed across rail workshops, shipyards, foundries, steel fabrication units, construction sites, and warehousing facilities.

### Available Configurations

- Single Girder EOT Cranes, Double Girder EOT Cranes, Heavy-Duty EOT Cranes with Main & Auxiliary Hoists, Gantry Cranes / Semi-Gantry Cranes, Jib Cranes, Crane End Carriages, Crab Units & Gear Assemblies, Rope Drum & Rope Guide Assemblies

Fabricated using premium-grade structural steel and precision machining, these cranes deliver smooth motion, safe operation, and optimized load distribution.

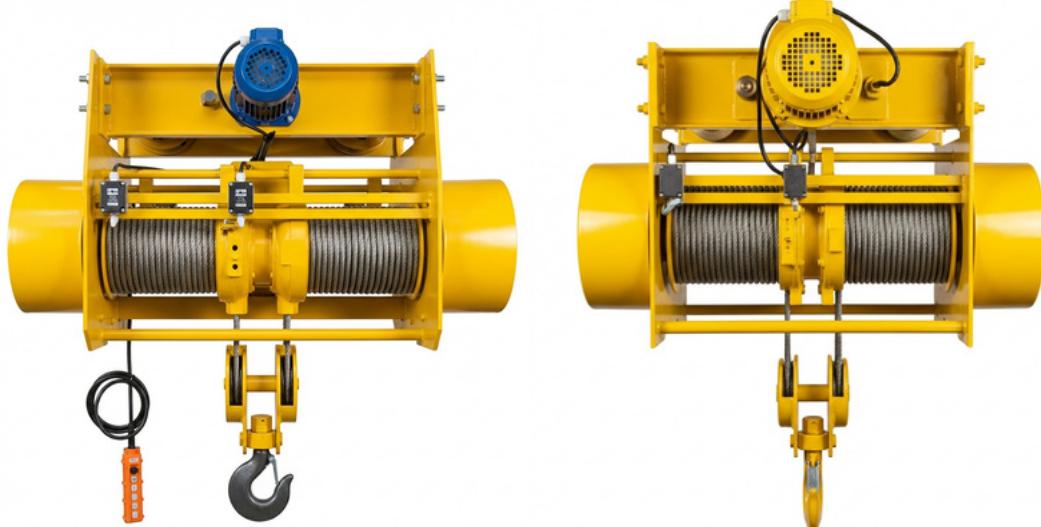
## Electric Wire Rope Hoists

UNICORN hoists are engineered for smooth lifting cycles, high duty performance, and minimal maintenance. Advanced mechanical design combined with reliable safety control systems ensures consistent operation in continuous-duty industrial environments.

**Capacity Range:** 500 kg to 10 Ton

### Key Features

- Heavy-duty steel fabrication
- Precision rope drum and rope guide mechanism
- Efficient braking and control system
- Compact, rugged, and service-friendly design



## Trolley



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## End Carriages

UNICORN end carriages are modular drive units designed for crane long travel motion and directly mounted to the main girder.

- Box girder construction
- Integrated motor, gearbox, and wheel assemblies
- Available in Open Reduction and L-Block configurations



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## Rotary Geared Limit Switch (GRLS)



Used for motion control in hoists, winches, rolling mills, and reversing drives.

- Steel Sheet Body — IP41
- Aluminium Body — IP54

## Weight Operated Limit Switch (CWLS)



Designed to stop upward motion during overload or top hook position.

- Steel Sheet — IP41
- Aluminium — IP54
- Current Ratings: 10A & 40A

## Lever Type Limit Switch (LLS)



Stops hoisting motion when the lever contacts a fixed mechanical point.

- Rated up to 500V / 40A continuous

## Worm Drive Limit Switch (FG Series)



High-precision worm-gear driven limit switches with low-wear thermoplastic internals.

Models:

FG12.5P2, FG25P2, FG50P2, FG100P2, FG200P2, FG400P2, FG50P4, FG100P4

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## Electro-Hydraulic Thruster Brakes



- Voltage: 400 / 440V AC, 3-Phase
- Drum Diameter: 100–400 mm
- Braking Torque: 6–190 Kg-m
- Reverse action available
- Self-adjusting lining wear

## AC Solenoid Brakes



- Voltage: 400–440V AC
- Drum Diameter: 100–180 mm
- Class F insulation
- Low spring pressure for extended lining life
- Models: SSB 4, SSB 5.5, SSB 7

## Electro-Magnetic Disc Brakes



Fail-safe braking system mounted on motor shaft.

Model Series:

EP-130, EP-140, EP-150, EP-150X, EP-190, EP-190X, EP-235, EP-290, EP-290X, EP-290XX

## CRANE BRAKE PARTS



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## Shrouded Busbar (DSL) Systems



Used for safe and efficient power transmission in EOT cranes, conveyors, and mobile equipment.

- Touch-proof design
- Single-pole insulated conductors
- Current rating up to 1200 Amps
- Indoor and outdoor suitability
- Straight and curved track support
- No expansion joints required up to 150 meters
- Available in GI, Aluminium, and Copper

## C-Rail Festoon Systems



Designed for organized management of electrical cables, hoses, and signal lines.

- Supports electrical, pneumatic, and hydraulic lines
- Corrosion-resistant, acid-proof, and seawater-resistant options
- Suitable for harsh industrial environments
- Standard sizes: 30×32 mm, 40×40 mm

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## Resistance Boxes



UNICORN manufactures resistors for AC & DC motor control in cranes, winches, conveyors, power plants, and rolling mills.

### Air-Cooled Punched Steel Grid Resistors

- Nickel-chromium alloy grid plates
- Shock and vibration resistant
- Steel mill duty design

### Stainless Steel Grid Resistors

- High corrosion resistance
- Continuous current rating: 7A to 400A

## Master Controllers



Cam-type master controllers for remote operation of heavy-duty electrical equipment.

- Steel Sheet Body — IP41
- Aluminium Body — IP54

## Crane Anti-Collision Safety Devices



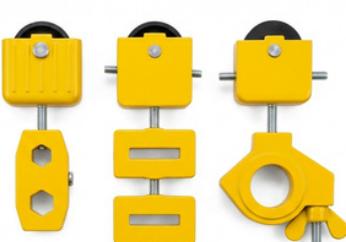
Designed to prevent crane-to-crane collision on shared runways.

- Supply: 110V AC / 220V AC
- Adjustable sensing range: 0-10 meters
- Laser alignment tool included
- Potential-free relay output (5A max)

## Cable Trolleys



## Cable Carriers



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## BRAKE DRUMS



Gear Coupling



Plain Brake Drum



Brake Drum With Flexible Geared Coupling



Gear Brake Drum Couple

## CABLE REELING DRUMS



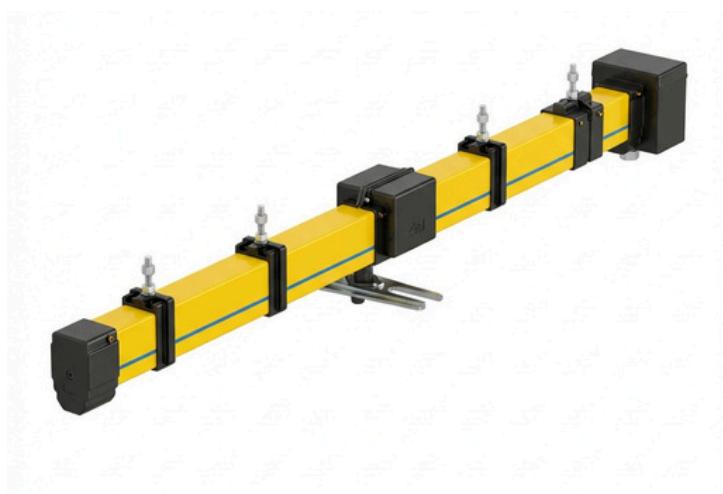
Motorised CRD



Spring Operated CRD



## ENCLOSED CONDUCTOR BAR



Enclosed Conductor Bar System is a modern, safe, and highly reliable solution designed for efficient power, control signal, and data transmission in moving industrial equipment.

This enclosed conductor system ensures continuous electrical contact, enhanced operator safety, and long service life, making it ideal for demanding industrial environments.

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## Pendant Push Button Stations

- 2 to 14 button configurations
- Rugged industrial construction



## Wireless Radio Remote Control Systems

- Designed for EOT and tower cranes
- Operating range up to 100 meters
- High interference resistance
- Nylon fiber receiver housing
- Lightweight and corrosion-free design



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# Our Clients



THE INDIAN HUME PIPE COMPANY LIMITED

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MUNICIPAL SOLUTIONS

  
**MANGAL**  
Electrical Industries Limited  
Promoting Higher Values

  
**SHYAM STEEL**  
SHYAM TMT REBAR  


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MARBLES (P) LTD.

  
**Deepak**  
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POWER



**SOLAR 91**  
ENERGIZING INDIA



  
**SHRI KRISHNA**  
TATA MOTORS

  
**LeelMax**  
A complete solar and battery solution

  
**SRIJITA**  
STEEL

  
**kanha**  
multi cuisine restaurant & sweets

  
**CROSSLAND**

  
**BALWAAN**  
KRISHI<sup>®</sup>

  
**GeM**  
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**Sai**  
Trading Company

  
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TOGETHER WE SHINE  
Insolation Green  
Energy Pvt. Ltd.

  
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INDUSTRIES

Manufacturer and Exporter of Dyestuff

**BALAJI AGRICULTURE WORKS**

**normet**

  
**ROSHAN**  
GROUP



# Protect Your Facility with **EXPERT EOT CRANE SOLUTIONS**

Ensure your industry's productivity with reliable EOT Cranes: high-performance lifting, precision engineering, and long-lasting durability.

- EOT Crane Manufacturing
- AMC & Crane Maintenance Services
- Crane Installation & Commissioning
- Crane Modernization & Upgradation

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