

MMTE **M.M.TECHNO** **ENGINEERING**

**MFG.: HOIST, E.O.T. & H.O.T. CRANE, GOODS LIFT
& MATERIAL HANDLING EQUIPMENTS &
PRE ENGINEERED BUILDING**



- » Hoist (Wire rope type)
- » Cranes E.O.T. & H.O.T.
- » Goods Lift
- » Jib crane
- » Winch Machine
- » Semi goliath crane



CERTIFIED ISO 9001 : 2015 COMPANY



CHHAMPAKLAL MAGANLAL PATEL
C.E.O

COMPANY PROFILE

M. M. TECHNO ENGINEERING ESTABLISHED IN 1995 IS A RESULT OF THE FORESIGHT OF MR. CHHAMPAK PATEL, HAVING VAST PRACTICAL AND FIELD EXPERIENCE IN ENGINEERING FIELD.

THE COMPANY HAS ITS PLANT AT SURVEY NO .455, DESAI FALIYA PARIYA, TAL: PARDI, DIST: VALSAD, GUJARAT-396 145 AND PLOT NO. C1-2706/1, 3RD PHASE, G.I.D.C., VAPI, DIST: VALSAD (GUJARAT).

THE COMPANY IS SPECIALIZED IN THE DESIGN, FABRICATION AND SUPPLY OF HOIST (WIRE ROPE TYPE) GOODS LIFT, E.O.T. & H.O.T. CRANE, JIB CRANE, GOLIATH CRANE.

OVER THE YEARS THIS ORGANIZATION HAS DEVELOPED A COMPREHENSIVE INFRASTRUCTURE TO DESIGN & FABRICATE THE BEST-NEEDED MATERIAL HANDLING EQUIPMENTS. IT IS NOW IN A POSITION TO TAILOR MAKE THE BEST EQUIPMENTS AS PER THE REQUIREMENTS OF ANY PLANT.

MISSION

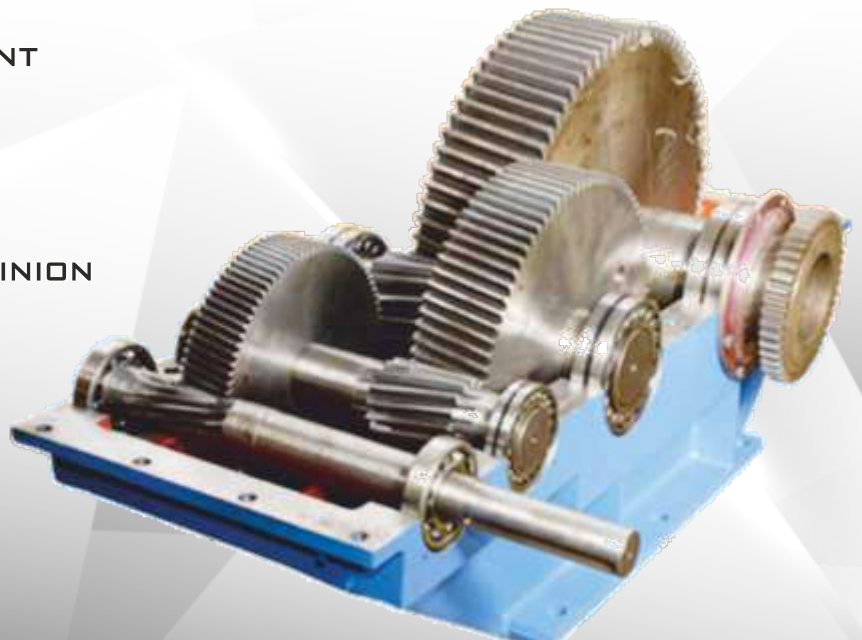
MMTE IS COMMITTED TO PROVIDE THE HIGHEST QUALITY PRODUCT POSSIBLE THROUGH NEW TECHNOLOGIES AND WITH OUR HIGHLY SKILLED AND DEDICATED EMPLOYEES, TO PURSUE AN AGGRESSIVE RESEARCH AND DEVELOPMENT PROGRAM THUS INSURING ITS FUTURE AS A LEADER IN MATERIAL HANDLING EQUIPMENT INDUSTRIES. WE WILL DEMONSTRATE THE HIGHEST STANDARD OF SERVICES ACROSS THE GLOBE THROUGH HIGHLY TRAINED REPRESENTATIVES.

GEAR BOX

WE MANUFACTURE OUR OWN GEAR BOXES, WHICH ARE DESCRIBED FURTHER HERE. ALL THE GEAR BOXES WHICH ARE USED IN HOISTING, L.T. AND C.T. ARE HORIZONTAL SHAFT HELICAL GEAR TYPE WITH ROBUST AND STURDY M.S. FABRICATED HOUSING. THE ENTIRE GEAR ASSEMBLY IS RUNNING ON ANTI-FRICTION BEARING. THE PINIONS WHICH ARE USED IN THE GEARBOX ARE INTEGRAL AND SOLID ONE PIECE PINION. THE GEAR BOX HOUSINGS ARE DULY STRESS RELIEVED AFTER THE FABRICATION. THE GEARBOX BEARING SIZES ARE MACHINED ON HORIZONTAL BORING MACHINE TO ENSURE PROPER ACCURACY. ALL GEARS AND PINIONS ARE DULY HARDENED TO WITHSTAND THE HEAVY LOADS FOR THE LIFE SPAN DEPENDING UPON THE CLASS OF APPLICATION. PROVISION IS KEPT FOR FILLING THE LUBRICATING OIL WITH LEVEL INDICATOR.

BENEFITS OF OUR GEAR BOXES

- ▶ IN HOUSE MANUFACTURING PROCESS MAKES AFTER SALES AND SERVICE EASY.
- ▶ BETTER STRENGTH AND SILENT RUNNING
- ▶ LONGER LIFE, NO MISALIGNMENT
- ▶ MINIMUM WEAR
- ▶ PROPERLY HARDENED
- ▶ PROFILE GROUND GEAR AND PINION
- ▶ AS AND WHEN REQUIRED



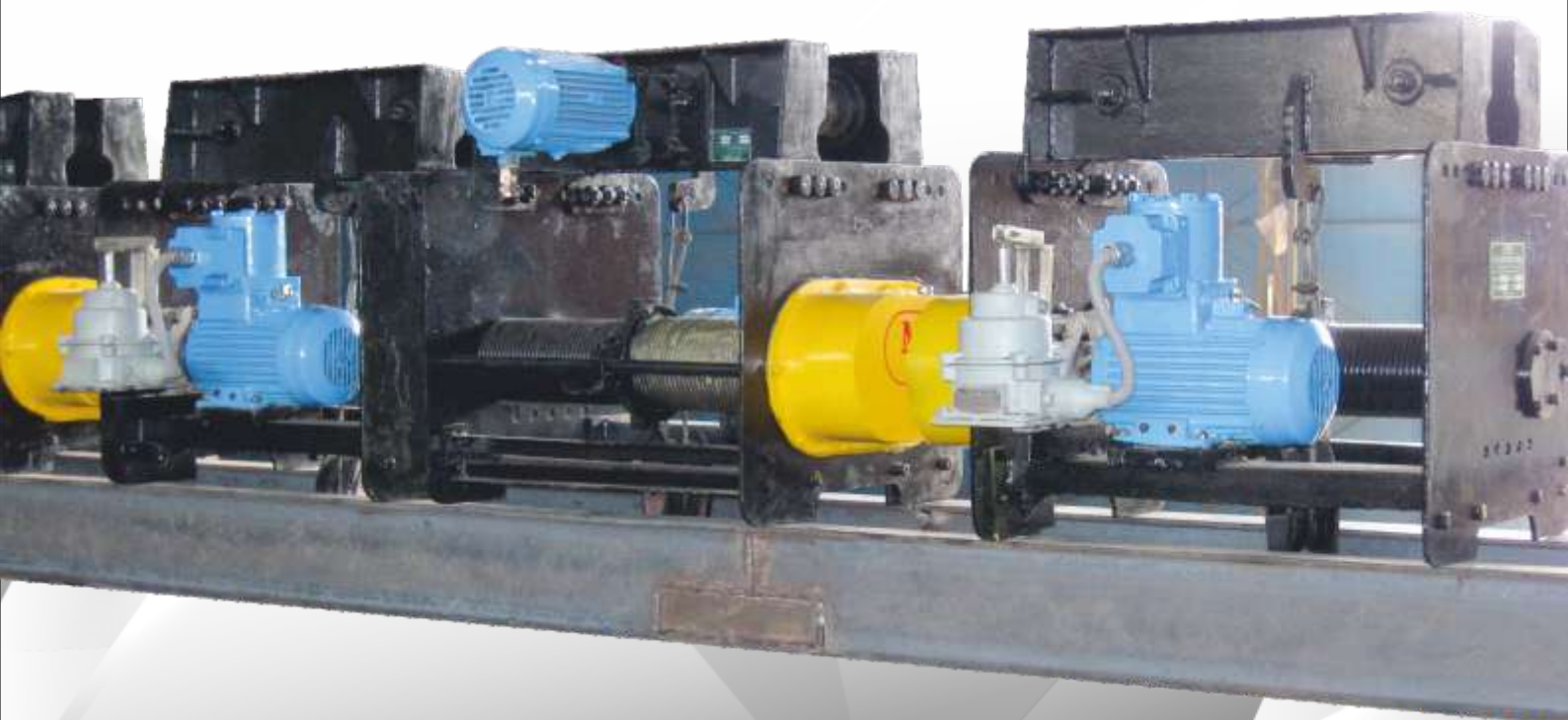
SINGLE GIRDER HOIST



CRAB HOIST



FLAMEPROOF HOIST



DETAILS OF MANUFACTURING FACILITIES

SOLID WORKS FOR DESIGN ANALYSIS & NEW DESIGNING.

AUTOCAD FOR DRAWINGS.

STRENGTH CALCULATION OF GEARS ARE PERFORMED BY SOFTWARE.

AT M. M. TECHNO ENGINEERING WE ARE HAVING THE FOLLOWING
MANUFACTURING FACILITIES.

DETAILS OF FACTORY	:10000 +24600 + 11530 = 46130 Sq. Ft.
SHED	:10000 +150000 = 160000 Sq. Ft.
PLOT AREA	: E.O.T. CRANE 25 MT - 1 No
LIFTING ARRANGEMENT	: E.O.T. CRANE 10 MT - 1 No
	: E.O.T. CRANE 5 MT - 3 No
	: E.O.T. CRANE 1 MT - 1 No

DETAILS OF MACHINERY

1.RECTIFIER MACHINE	-5 No's.
2.WELDING MACHINE	-12 No's.
3.PORTABLE TOOLS:	
A)ANGLE GRINDERS	-8 No's.
B)HAND GRINDERS	-14 No's.
C)PISTOL DRILL	-6 No's.
D)HAND DRILL	-4 No.
E)MAGNET DRILL	-3 No.
4.FLEXIBLE SHAFT GRINDER	-3 No.
5.DOUBLE ENDED BENCH GRINDERS	-3 No's.
6.AIR COMPRESSOR	-2 No.
7.PILLAR DRILL MACHINES	-3 No's.
8.RADIAL DRILL MACHINE	-3 No's.
9.LATHE MACHINES	-15 No's.
10.HYDROLIC SHEET SHEARING	-2 No.
11.SHAPING MACHINE	-2 No.
12.HYDRAULIC HACKSAW MACHINE	-2 No.

DETAILS OF MACHINERY (CONTD.)

13.LOAD TESTING EQUIPMENT	-1 No.
14.PLATE BENDING M/C	-1 No.
15.MILLING M/C	-1 No.
16.HYDRAULIC PRESS	-2 No.
17.SLOTING MACHINE	-1 No.
18.HOBGING MACHINE	-1 No.
19.BORING MACHINE	-2 No.
20.PLANO MILLER	-1 No.
21.CNC TURNING MACHINE	-1 No.
22.CNC VMC	-1 No.

WE HAVE ALL ACCESSORIES TO HANDLE HEAVY FABRICATION & SITE FABRICATION. THE COMPANY HAS IN HOUSE QUALITY CONTROL & SYSTEMIC QUALITY ASSURANCE PROCEDURES TO ENSURE A CONSISTENTLY HIGH DEGREE OF ACCURACY & PERFECTION IN MANUFACTURING. THE TESTING FACILITIES FOR THE PRODUCT MANUFACTURED IN THE FACTORY ARE AVAILABLE IN THE IMMEDIATE VICINITY, THUS ENABLING AN INTEGRATION OF OPERATIONAL ACTIVITIES WITHIN A REASONABLE GEOGRAPHIC PROXIMITY.

SHOP FLOOR

- MMTE HAS TWO DIFFERENT MANUFACTURING UNITS:
 - UNIT - 1 HAS 800 SQUARE METERS AREA.
 - UNIT - 2 HAS 10000 SQUARE METERS AREA.
-
- SOME OF OUR IN HOUSE MACHINERY ARE:
 - RECTIFIER WELDING MACHINE
 - HYDRAULIC MACHINE
 - BANDSAW MACHINE FOR CUTTING
 - WELDING MACHINES
 - PORTABLE CNC CUTTING MACHINE



LATEST TECHNOLOGY



OUR PRODUCTS

1. OVER HEAD CRANES

SINGLE GIRDER E.O.T CRANE

DOUBLE GIRDER E.O.T CRANE

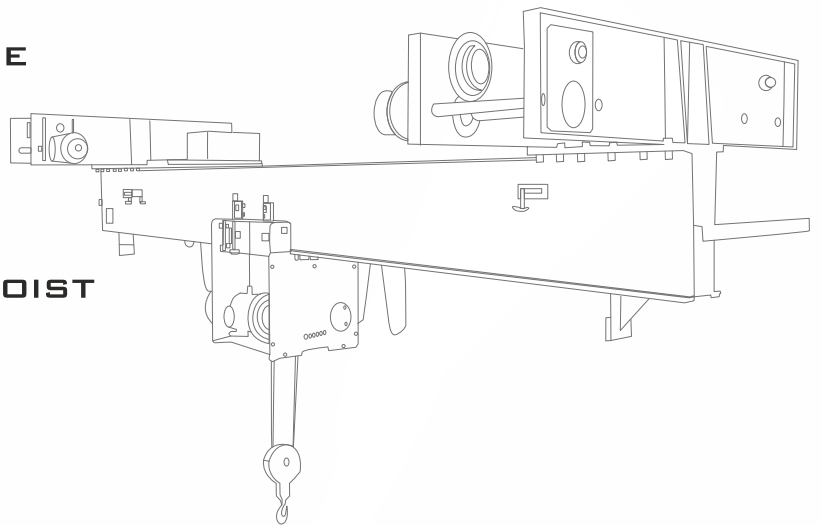
GOLIATH / GANTRY E.O.T CRANE

UNDER SLUNG E.O.T CRANE

SEMI GANTRY E.O.T CRANE

SINGLE GIRDER H.O.T CRANE

DOUBLE GIRDER H.O.T CRANE



2 HOIST

POWER TRAVEL WIRE ROPE HOIST

FLAME PROOF HOIST

BASE MOUNTED HOIST

DOUBLE RAIL TYPE HOIST

CRAB TYPE HOIST

FLAXIBLE TROLLY HOIST

FIXED HOIST

3. JIB CRANES

PILLAR MOUNTED JIB CRANE

COLUMN MOUNTED JIB CRANE

WALL MOUNTED JIB CRANE

SELF SUPPORTED JIB CRANE

4 GOODS LIFT

SINGLE DRUM TYPE GOODS LIFT

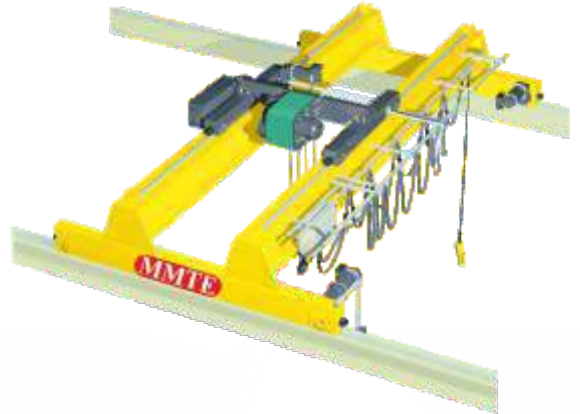
TWIN DRUM TYPE GOODS LIFT

SINGLE GIRDER E.O.T CRANE



THE CRANES WHICH ARE HAVING ONE MAIN BRIDGE GIRDER ARE KNOWN AS SINGLE GIRDER CRANES. MAIN FEATURE OF THIS CRANE ARE MAIN BRIDGE GIRDER, END CARRIAGES AND HOISTING UNIT EITHER ELECTRICALLY OPERATED HOIST OR MANUAL OPERATED CHAIN PULLEY BLOCK AS THE CASE MAY BE. BEING LIGHT IN STRUCTURE, IT IS MOST IDEALLY SUITED FOR LIGHT INDUSTRIAL APPLICATION. FOR HIGHER CAPACITY, NORMALLY INDUSTRIES PREFER USE OF SINGLE GIRDER CRANES. BEING COST-EFFECTIVE, SINGLE GIRDER CRANE IS MOST FAVORITE IN SMALL AND MEDIUM SCALE INDUSTRIES.

DOUBLE GIRDER E.O.T CRANE



PRODUCT HIGHLIGHTS

- LONGER LIFE
- LESS MAINTENANCE
- STURDY IN DESIGN
- FAVORITE FOR SPECIAL APPLICATIONS
- WIDER SPAN

APPLICATIONS

- WIRE MILL
- MOLD HANDLING
- METAL STORAGE
- FABRICATION
- STAMPING
- HANDLING COILS

THE OVERHEAD CRANE HAVING TWO MAIN BRIDGE GIRDERS IS KNOWN AS DOUBLE GIRDER EOT/HOT CRANES. BY VIRTUE OF ITS STRUCTURAL DESIGN IT IS STURDY AND ROBUST IN CONSTRUCTION. DOUBLE GIRDER CONSTRUCTION OFFERS AESTHETIC LOOK AND ALSO GIVES FEEL OF SAFETY WHILE HANDLING HEAVY LOADS. NORMALLY IT IS USED TO HANDLE HEAVY LOAD OR HEAVY DUTY (CONTINUOUS) APPLICATIONS IN FOUNDRY AND STEEL PLANTS. THE DOUBLE GIRDER OVERHEAD CRANES ARE MANUFACTURED LOW MEDIUM AND HIGH CAPACITY RANGING FROM 2/3 T TO 250 T CAPACITY DEPENDING ON TYPE OF APPLICATION.

OTHER PRODUCTS WE SALE

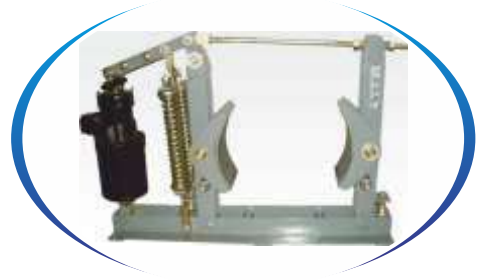
FESTOON SYSTEM



FLAMEPROOF ELEMENT



HYDRAULIC THRUSTER BRAKE



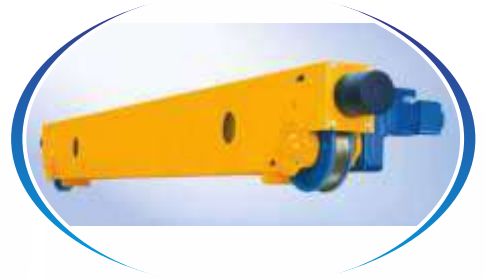
DISC BRAKE



WIRE ROPE



END CARRIAGE



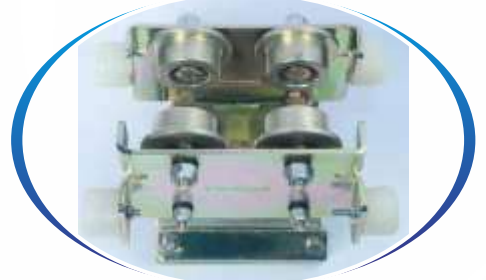
PVC CABLE TROLLEY



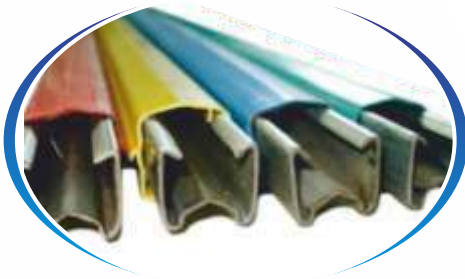
HOOK ASSEMBLY



MS CABLE TROLLEY



DSL SYSTEM



WIRELESS REMOTE SYSTEM



HOISTING GEAR BOX



POWER COLLECTOR



FLOOR CUT LIMIT SWITCH



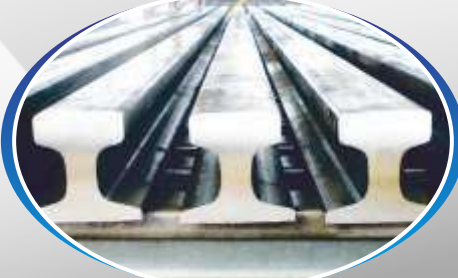
ROTARY LIMIT SWITCH



GRAVITY-LIMIT-SWITCH



RAIL



RAIL-CLAMPS



GOLIATH / GANTRY E.O.T CRANE



PRODUCT HIGHLIGHTS

- SUITABLE FOR OPEN AREAS
- EXTENSIVE COVER OF THE FLOOR AREA
- MASTER CONTROLLER/REMOTE/PENDANT
- CABLE REELING DRUM
- FAVORITE IN MARBLE INDUSTRIES

APPLICATIONS

- SHIP YARD
- OPEN YARD STORAGE
- STEEL YARD
- PIPE INDUSTRIES
- GRANITE & MARBLE INDUSTRIES

GANTRY CRANE OR GOLIATH CRANE OR PORTAL CRANE, NAME BY WHICH IT IS GENERALLY KNOWN, IS THE MOST IDEAL MATERIAL HANDLING EQUIPMENT TO HANDLE HEAVY LOADS IN OPEN YARDS. IT IS GENERALLY DESIRED FOR OUTDOOR APPLICATION. THE NAME GOLIATH INDICATES ITS HUGE LOAD CAPACITY AND GIANT STRUCTURAL BUILT UP. HOWEVER, IT SOMETIMES FINDS ITS PLACE IN ASSEMBLY SHOP OF ENGINEERING UNIT SPECIFICALLY IN AUTOMOBILE UNIT.

SEMI GANTRY E.O.T CRANE

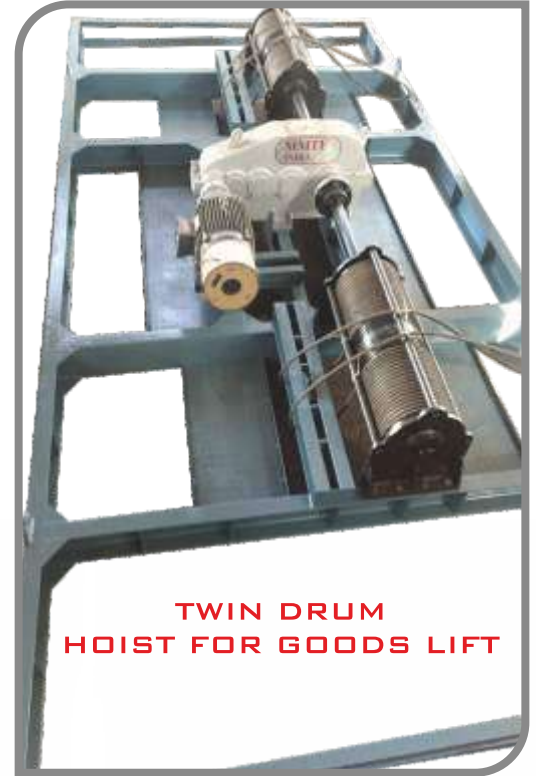
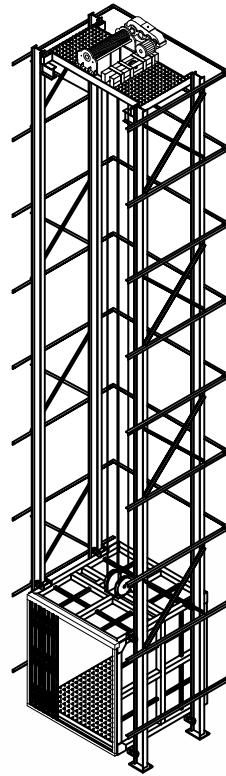


SEMI-GANTRY CRANES ARE A COST-EFFECTIVE ALTERNATIVE WHEREVER THE INSTALLATION OF BRIDGE CRANES IS IMPRACTICAL DUE TO A NEED FOR A RAISED RUNWAY STRUCTURE. THEY ARE ALSO AN IDEAL SUPPLEMENT TO BRIDGE CRANES AT THE WORKSTATION LEVEL. THIS CRANE CAN BE USED FOR INDOOR OR OUTDOOR APPLICATION. SINGLE GIRDER SEMI GANTRY CRANES GENERALLY USED FOR LOAD UP TO 15 TON AND DOUBLE GIRDER SEMI GANTRY CRANES CAN BE USED FOR LOAD UP TO 50 TON CAPACITY CRANES. THIS CRANE CAN BE CONTROLLED BY PENDENT TRAVELING STATIONS OR RADIO REMOTE CONTROLS.

GOODS LIFT



**SINGLE DRUM
HOIST FOR GOODS LIFT**



**TWIN DRUM
HOIST FOR GOODS LIFT**

WE ARE ENGAGED IN PRESENTING A WIDE ARRAY OF FREIGHT ELEVATORS THAT HELP IN TRANSFERRING OF LOADS FROM ONE LEVEL TO ANOTHER. THESE GOODS ELEVATOR ARE EXTENSIVELY USED IN FACTORIES AND STORAGE FACILITIES FOR THE MOVEMENT OF GOODS BETWEEN FLOORS, THESE ELEVATORS ARE KNOWN FOR THEIR HIGH SPEED AND SMOOTH OPERATIONS. DESIGNED AS PER THE SET INDUSTRY STANDARDS

LOAD :	500KG, 1,000KG AND 1,500KG. 2000KG, 3000KG, 5000KG, 10000KG.
CAR :	CONSTRUCTED FROM MILD STEEL SHEETING, ISMC, SQUARE PIPE FINISHED IN A SMOKE GREY ENAMEL WITH HEAVY DUTY CHEQUERED PLATE COVERED FLOOR ON BASE FRAME.
LANDING ENTRANCES :	CAR ENTRANCE PROTECTION : A COLLAPSIBLE GATE IS FITTED TO THE LIFT CAR ENTRANCE (S) AS STANDARD.
MOUNTING :	THE GOODS LIFT IS SUPPLIED IN A STRUCTURE SUPPORTED FRAME. A SOLID BASE AND SUPPORT AT EACH FLOOR IS ALL THAT IS NEEDED FROM YOUR BUILDING.
FLOORS SERVED :	UP TO 5 STOPS OR CUSTOMER REQUIREMENT
SPEED :	2.5 MTR /MIN TO 10MTR /MIN.
TRAVEL :	UP TO 21 METRES OF TRAVEL.
ENTRY CHOICE :	UP TO TWO ENTRANCES CAN BE FITTED ON EACH FLOOR. SINGLE OR THROUGH CAR AVAILABLE.
CONTROL :	FULLY AUTOMATIC PUSH BUTTON CONTROL WITH CALL AND DESPATCH FACILITIES AT EACH LANDING ENTRANCE. ALL CONTROL BUTTON PROVIDE OUT SIDE OF THE CAGE, WE ARE NOT PROVIDE ANY CONTROL SWITCH IN THE CAGE
INDICATORS ON PANNEL :	CAR GATE OPEN, FLOOR GATE OPEN, EMERGENCY SWITCH
EFFICIENT AND QUIET IN OPERATION.	
ELECTRIC SUPPLY :	380/415 VOLT - 50HZ - 3 PHASE. 24 VOLT CONTROL VOLTAGE
SAFETY :	ONCE INSTALLED, TESTED, COMMISSIONED AND ALL THE BUILDING WORK IS COMPLETE, THE GOODS LIFT WILL COMPLY WITH THE ESSENTIAL SAFETY
HOIST :	WE SUPPLY SINGLE DRUM HOIST WITH 3000MM CAGE, IF CAR SIZE IS MORE THAN 3500 WE SUGGEST TWIN DRUM HOIST FOR BALANCING LOAD

JIB CRANES



PRODUCT HIGHLIGHTS

- LIGHTER IN WEIGHT
- LESS MAINTENANCE
- SUITABLE FOR CRITICAL SHIFTING
- ROTATION UP TO 360° DEGREE
- EASY MOBILITY

APPLICATIONS

- UNLOADERS
- BUILDING CONSTRUCTION
- REPAIR SHOP
- STOCK YARD
- TOOL ROOMS

A JIB CRANE IS A TYPE OF CRANE WHERE A HORIZONTAL MEMBER (JIB OR BOOM), SUPPORTING MOVEABLE HOIST, IS FIXED TO A WALL OR TO A FLOOR-MOUNTED PILLAR. JIB CRANES ARE USED IN INDUSTRIAL PREMISES. THE JIB MAY SWING THROUGH AN ARC, TO GIVE ADDITIONAL LATERAL MOVEMENT OR BE FIXED. JIB CRANES ARE DESIGNED AND MANUFACTURED FOR SPECIFIC APPLICATIONS, THOUGH IT HAS LIMITATION OF WORKING AREA FOR PARTICULAR APPLICATIONS. IT PROVES MOST USEFUL IN ASSEMBLY AREA OF SMALL SIZE MACHINES LIKE PUMPS, ELECTRIC MOTOR, VEHICLE ASSEMBLY ETC. FOR EXAMPLE LOADING AND UNLOADING FACILITY FOR MATERIAL IN OPEN YARD FIR LOADING AND UNLOADING OF SPECIAL PURPOSE MACHINE ON MATERIAL HANDLING UNIT FOR C.N.C. MACHINE KEPT IN CLEAN ROOM.

UNDER SLUNG E.O.T CRANE

PRODUCT HIGHLIGHTS

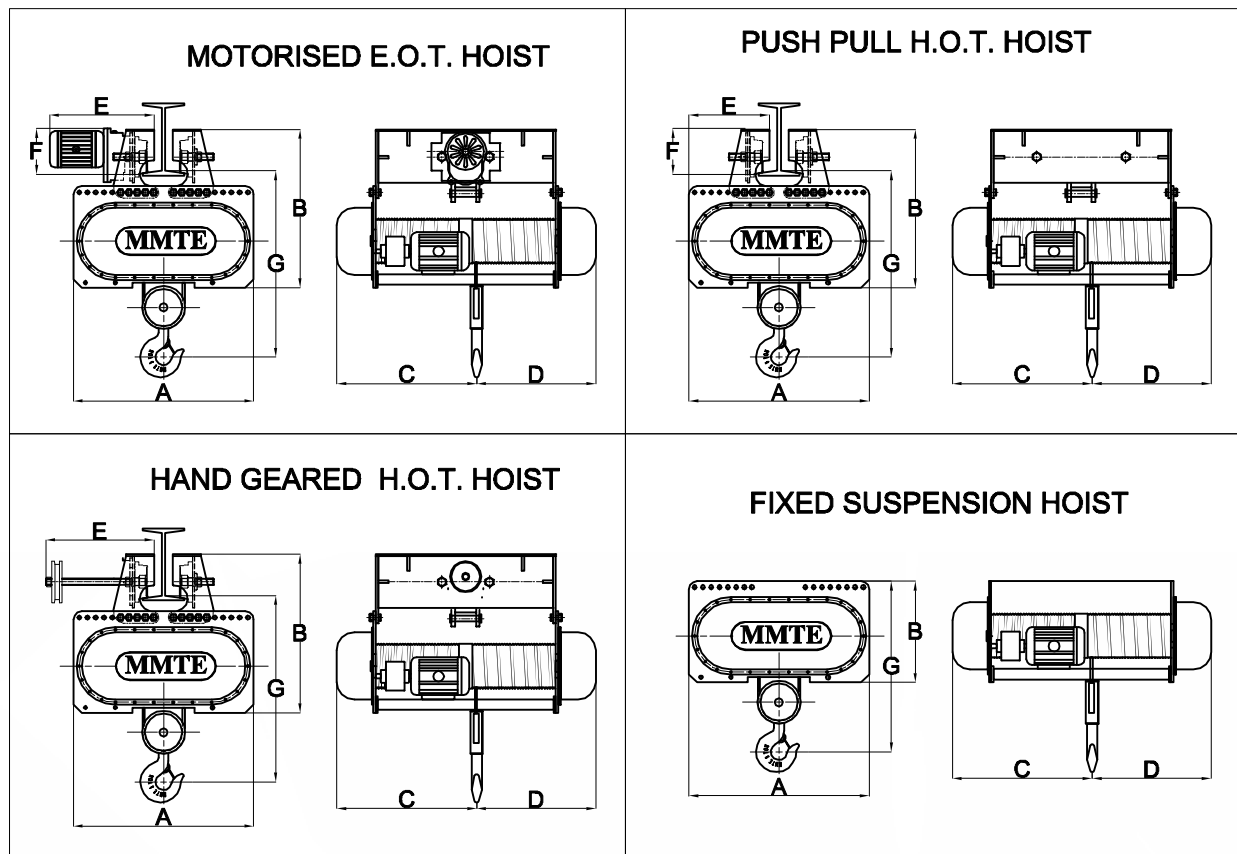
- SPECIAL FOR STORE APPLICATION
- WHERE HEIGHT OF SHOP IS LESS
- LESS MAINTENANCE
- COST EFFECTIVE
- EFFECTIVE IN REACH BEYOND SPAN

APPLICATIONS

- PUMP HOUSE MAINTENANCE
- STOCK YARD
- FABRICATION SHOP
- SMALL FACTORY UNITS
- BUILDING CONSTRUCTION



THE MAIN FEATURES OF THIS CRANE ARE MAIN BRIDGE GIRDER, END CARRIAGES AND HOISTING UNIT EITHER ELECTRICALLY OPERATED HOIST OR MANUAL OPERATED CHAIN PULLEY BLOCK, AS THE CASE MAY BE. BEING LIGHT IN STRUCTURE, IT IS MOST IDEALLY SUITED FOR LIGHT INDUSTRIAL APPLICATION. UNDER SLUNG CRANES ARE HAVING SINGLE FLANGE WHEEL FOR LONG TRAVEL DRIVE, WHEREAS OVER HEAD CRANES WILL HAVE DOUBLE FLANGE WHEELS. REST OF THE FEATURES ARE SAME. GENERALLY, UNDER SLUNG CRANES ARE MORE USEFUL FOR ASSEMBLY LINE FOR SHIFTING OF STAGE-WISE ASSEMBLY OF THE EQUIPMENT.



TECHNICAL DATA

RANGE :

MODEL CODE :	MM-1	MM-2
CAPACITY IN M.T.	0.5 TO 5	7.5 TO 50
LIFT IN MTRS :	6M	6M

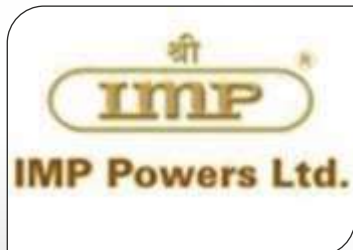
Model code.	Capacity in tons.	Lift (mtrs.)	Lifting Speed (m.p.m.)	Travel Speed (m.p.m.)	Hoist Motor (HP)	C.T. Motor (HP)	Falls of Rope Driven	Flange Width for Traveling	Dimensions (mm)						
									A	B	C	D	E	F	G
MM-1A	0.5	6	4.8	9.5	0.5	0.25	1/2	90 - 100	550	470	470	470	350	140	675
MM-1B	1.0	6	3.8	9.5	1.0	0.25	1/2	90 - 125	550	470	470	470	350	140	700
MM-1C	1.5	6	3.8	9.5	1.5	0.25	1/2	90 - 140	550	470	470	470	350	140	730
MM-1D	2.0	6	4.4	12	2.0	0.5	1/2	100 - 140	700	740	550	550	470	180	800
MM-1DD	2.0	6	4.4	12	2.0	0.5	2/4	100 - 140	700	740	550	550	470	180	830
MM-1E	3.0	6	4.5	12	3.0	0.75	1/2	140 - 210	870	750	590	590	480	210	900
MM-1EE	3.0	6	3.0	12	3.0	0.75	2/4	140 - 210	870	750	590	590	480	210	900
MM-1F	5.0	6	3.0	12	5.0	1.0	2/4	140 - 400	870	750	640	640	500	220	950
MM-2A	7.5	6	3.0	12	7.5	1.5	2/4	140 - 400	870	750	650	650	520	240	1000
MM-2B	10	6	2.5	12	10	2.0	2/4	140 - 450	1100	900	675	675	550	250	1100

NOTE : HOIST SPECIFICATION ABOVE 10 TONES ON REUEST. IN ACCORDANCE WITH OUR POLICY OF PROGRESSIVE IMPROVEMENT THE RIGHT IS RESERVED TO ALTER ANY DETAIL MOF PRICE, SPECIFCATION AND DIMENSIONS WITHOUT ANY NOTICE.

* ECONOMIC HOIST MODEL WITH SPUR GEARBOX DESIGN.

* CUSTOMBUILT HOIST * SUITABLE FOR CLASS I LIGHT DUTY TO CLASS IV HEAVY DUTY, * FIXED SUSPENSION TYPE, * FOOT MOUNTED HOIST, * DUAL SPEED HOIST, * HIGH SPEED HOIST, * HIGH LIFT HOIST, * MICRO SPEED HOIST, * HOIST WITH EXTENDED TROLLEY, * HOIST WITH OPERATOR CABIN, * FLAME PROOF HOIST. * CARBE HOIST.

PRESTIGIOUS CLIENT LIST



M. M. TECHNO ENGINEERING

CORRESPONDENCE OFFICE :
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G.I.D.C. VAPI, DIST - VALSAD,
GUJARAT - 396195.
PHONE : 0260 - 2426618.

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