

Performance You Can Trust

 **MELTECH**  
CRANES PVT LTD

  
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Crane under assembly at our works

**MELTECH CRANES**, is emerging as a leading Engineering company manufacturing wide range of Material handling equipments such as Electric Overhead Traveling Cranes, Grabbing Cranes, Gantry Cranes, Single Girder Crane, Jib Cranes, Transfer cars, Electric hoists, Electric Winches, Grab Buckets etc.

Meltech cranes are designed as per **IS : 3177 / 807** or **IS : 4137** with latest technology comparable to any international standards. Reliability and easy maintainability coupled with dedicated after sales service are the hallmark of the Meltech Crane.

#### **A TRACK RECORD TOWARDS GREAT FUTURE :**

Meltech Cranes is privileged to be associated with some of the most respected names in the Corporate World which are in core sector industries such as Steel, Aluminium, Cement etc, where the cranes are used in production line. More than 100 cranes are designed, manufactured and installed by us throughout the country.

#### **DESIGN CAPABILITIES:**

We have a strong Design & Development Team to undertake any specialised application challenges with a fully computerised design department backed by a well qualified and highly experienced team of engineers in material handling equipments.

Exposure to national and international standards, computer aided crane design software, Computer aided drawings are the company's engineering strength.

#### **MANUFACTURING FACILITIES:**

We got excellent manufacturing facilities with E.O.T cranes installed at our Ambarnath plant, which are capable to handle manufacturing heavy assemblies & long girders.

In addition, we are in the process of building one more manufacturing work near to our present plant for future expansion, which is nearing completion.

A strong vendor base to out source components / parts to meet the delivery requirements of quality products.



## PRODUCTS

Meltech offers cranes for different applications to suit specific lifting & travel needs of the various industries such as Aluminium, Steel, Cement, Powers, Construction, Shipyards etc.



Double Girder E.O.T. Cranes



Gantry Cranes



Aluminum Industry Cranes

125 T Gantry Crane  
Installed at Bharat Bijlee



Grabbing Cranes



Power Plant Cranes



Jib Cranes



Steel Plant Cranes



Coil Handling Cranes



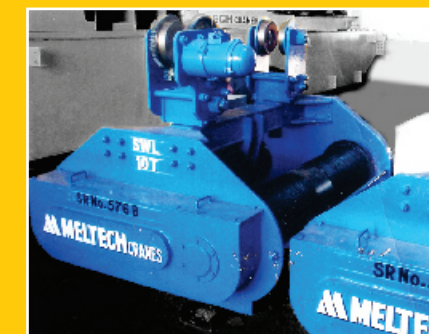
Transfer Cars



Hot Metal Cranes



Single Girder E.O.T Cranes



Electric Wire Rope Hoist

## CRANE CONTROL

We at MELTECH CRANES, keep pace with the technological developments in crane controls & Electrics.

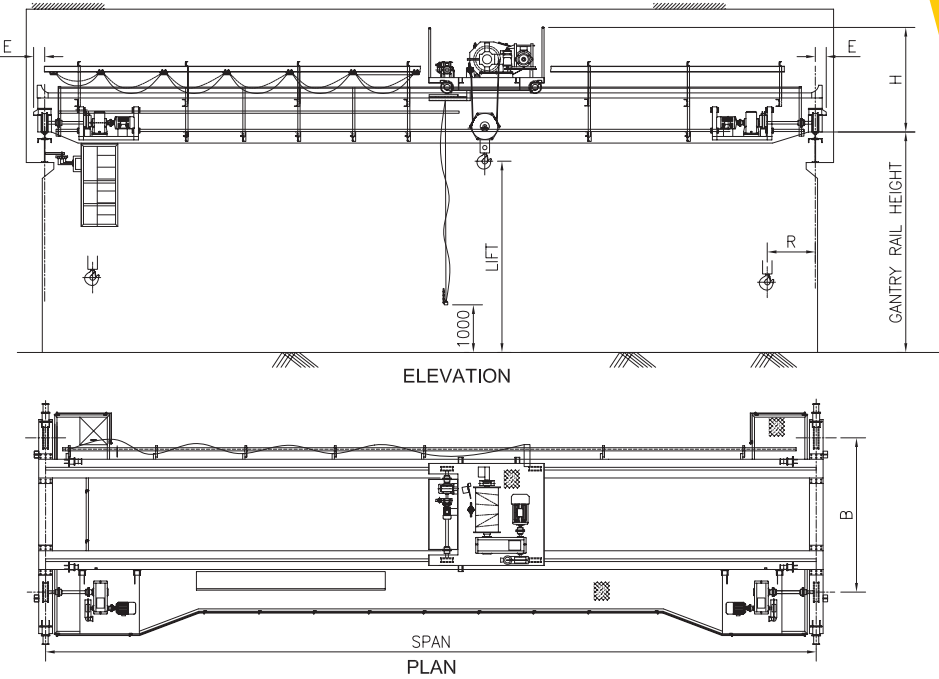
Latest crane controls are one of the main features of MELTECH CRANES.

The combination of modern electronic control systems integrated with the crane control ensures improved safety for Men & Machine. Modern controls such as Variable Speed Drive, Radio Remote Control System, Anti-collision system provides highest levels of safety, productivity and lower maintenance cost.

Special features such as Antisway system and Automation are provided on specific request.



DOUBLE GIRDER EOT DATA



SWL	SPAN	Head Room (m) (H)	Side Clearance (m) (E)	Hook Approaches min (m) (R)	Wheel Base (m) (B)	L.T. Wheel Load (t)	Crane Weight (t)
5t	14m	1.8	0.25	0.8	3.0	5.5	11
	18m	1.8	0.25	0.8	3.6	6.0	13
	22m	2.0	0.25	0.8	4.0	6.7	15
	26m	2.2	0.25	0.8	4.1	7.7	19
	30m	2.2	0.25	0.8	5.0	9.7	26

15t	14m	2.2	0.3	0.95	4	12.5	14
	18m	2.3	0.3	0.95	4	13.5	19
	22m	2.4	0.3	0.95	4.2	15	22
	26m	2.4	0.3	0.95	4.2	16	28
	30m	2.4	0.3	0.95	5	18	34

25/5t	18m	2.5	0.35	1.2	4	20	26
	22m	2.6	0.35	1.2	4.8	23	31
	26m	2.6	0.35	1.2	4.8	25	38
	30m	2.6	0.35	1.2	5	26.5	44

40/5t	18m	3.0	0.35	1.3	4	30	33
	22m	3.0	0.35	1.3	4.8	33	39
	26m	3.2	0.40	1.3	4.8	35	47
	30m	3.2	0.40	1.3	5	38	56

SWL	SPAN	Head Room (m) (H)	Side Clearance (m) (E)	Hook Approaches min (m) (R)	Wheel Base (m) (B)	L.T. Wheel Load (t)	Crane Weight (t)
10t	14m	2.1	0.25	0.85	3.8	8.2	12
	18m	2.2	0.25	0.85	3.8	8.9	15
	22m	2.3	0.25	0.85	4.2	9.8	19
	26m	2.3	0.25	0.85	4.2	12.5	23
	30m	2.3	0.25	0.85	5.0	15	29

20t	14m	2.4	0.3	1.0	4	15	16
	18m	2.4	0.3	1.0	4	17.5	21
	22m	2.6	0.3	1.0	4.7	18.5	24
	26m	2.6	0.3	1.0	4.7	20	31
	30m	2.6	0.3	1.0	5	21.5	37

30/5t	18m	2.8	0.35	1.2	4	24	28
	22m	2.9	0.35	1.2	4.8	26	34
	26m	2.9	0.35	1.2	4.8	28	40
	30m	2.9	0.35	1.2	5	29.5	46

50/5t	18m	3.0	0.40	1.3	4	35	38
	22m	3.0	0.40	1.3	4.8	38	45
	26m	3.2	0.50	1.3	4.8	40	53
	30m	3.2	0.50	1.3	5	45	65

NOTE : ▶ Above details are for Medium Duty(M5) INDOOR. ▶ The data are approximate only. Exact data will be furnished against specific request.  
▶ Due to continuous design improvements, dimensions are subject to change without notice.

Single Girder E.O.T. Crane ▶



SINGLE GIRDER E.O.T CRANE & ELECTRIC WIRE ROPE HOIST

For less wheel load and economical, light and medium duty application  
MELTECH offers single girder crane with Electric Wire Rope Hoist.

Meltech Single Girder cranes are provided with Meltech Wire Rope Electric Hoist which are designed and manufactured as per IS: 3938 open winch type design in modular construction which is suitable for rugged duty applications.

SPECIAL FEATURES OF MELTECH SINGLE GIRDER CRANE & HOIST :

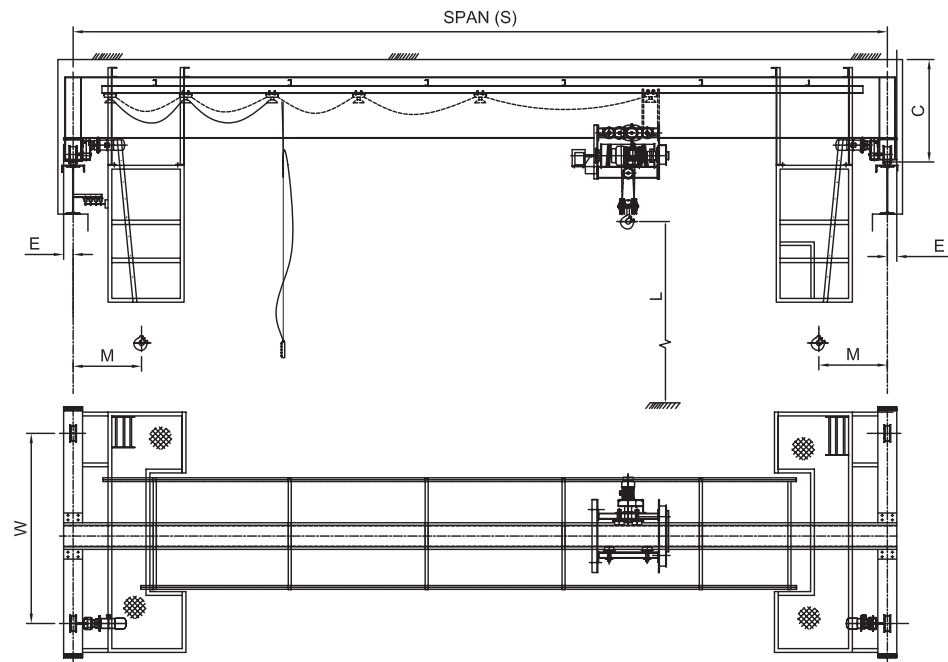
- Ease in maintenance: Separate sub assembly such as gear box, high torque motor, rope drum facilitates easy maintenance of Electric Hoist.
- Plate welded box girders with wide flange for stability & less deflection / vibrations.
- Squirrel cage Crane duty motors in International frame size of S4 duty, class B/F insulation confirming to IS: 325 for frequent start/stop operations.
- Double grooved rope drum (RH/LH) for straight lifting at all heights.
- Rotary and Gravity Limit switches for hoist which eliminates generally used traveling rope guide operated limit switch which is susceptible for breakdown.
- Direct Axle mounted Geared Brake motor for Long Travel Drive.
- Micro speed arrangement thru' VVVF Drive for precision loading.
- Fail safe robust DCEM Disc brake of Bharat Bijlee/ Emco Lenze for all motions.
- Maintenance Platform for regular servicing and maintenance of Electric Hoist and LT Drive.
- Option for Electro Hydraulic Thrustor Brake for Hoist & Long Travel motion.
- Option for custom Built hoist with high hoisting & Travel speeds for special requirement & Height lift.

Electric Wire Rope Hoist





SINGLE GIRDER EOT DATA



Capacity in Tonnes	SPAN Mtrs.	LIFT Mtrs.	Hoist Speed m/min	CT. Speed m/min	Wire Rope dia / No. of Falls	Crane Headroom mm C	Hook Approach mm M	End Clearance mm E	LT Wheel base mm W	LT Wheel load Ton (without impact)	Crane Weight Tonnes
2	6	6-12	6	15	8/4	600	900	160	1800	1.6	2.5
	8					600	900	160	2000	1.7	2.9
	12					800	900	160	2400	1.9	3.8
	15					950	900	160	3000	2.2	4.5
	18					950	900	160	3600	2.3	5.5
	20					1000	900	160	3800	2.5	6.0
3	6	6-12	3	15	8/4	700	1050	175	2000	2.3	3
	8					700	1050	175	2000	2.6	3.6
	12					850	1050	175	2400	2.7	4.6
	15		6			1000	1050	175	3000	2.8	5.2
	18					1000	1050	175	3600	3.1	6.5
	20					1000	1050	175	3800	3.5	7
5	6	6-12	3	15	12/4	700	1100	225	2000	3.2	3.1
	8					800	1100	225	2200	3.3	3.7
	12					950	1100	225	2400	3.5	4.7
	15		6			1100	1100	225	3000	3.8	5.9
	18					1100	1100	225	3600	4.2	7.4
	20					1100	1100	225	3800	5.0	8
7.5	6	6-12	3	15	14/4	800	1150	225	2000	4.9	4.3
	8					1000	1150	225	2200	5.1	5.2
	12					1000	1150	225	2400	5.4	6.3
	15		6			1200	1150	225	3000	5.6	7.4
	18					1200	1150	225	3600	6.0	8
	20					1200	1150	225	3800	6.0	8.7
10	6	6-12	2.5	15	12/8	800	1250	250	2000	6.0	4.7
	8					1000	1250	250	2200	6.2	5.9
	12					1100	1250	250	2400	6.5	6.9
	15		5			1250	1250	250	3000	6.8	8.3
	18					1250	1250	250	3600	7.3	10.2
	20					1250	1250	250	3800	8.3	11

NOTE : ▶ Above specifications are for Class II Duty Crane as per IS 3177/807/ IS 3938 and technical parameters listed.  
▶ Above are as per our design standards. Exact specifications to suit customers requiriemetns can be provided  
▶ Due to continuous design improvements, dimensions are subject to change without notice.



JIB CRANES :

Meltech Jib cranes are ideal solution for loading unloading jobs on work station/ machine tools or for dispatch sections for loading unloading from trucks. Jib Cranes are designed & manufactured as per IS : 15419.

- Capacities ranging from 1t to 5t and jib radius from 3m to 8m.
- Self supporting (Pillar mounted) jib crane with 180° to 300° rotation.
- Column / wall mounted Jib Cranes with 180° rotation.
- Plate welded box type Jib Arm with wide flange for stability & less deflection / vibrations. .
- Mast machined in one setting after fabrication ensuring concentricity and easy slewing.
- Antifriction Roller and Thrust bearing at top and bottom suspension for easy rotation with full load.
- Option for electric chain hoist with motorized trolley of INDEF/ Equivalent make for small loads.
- Option for Motorized slewing arrangement with 300°.

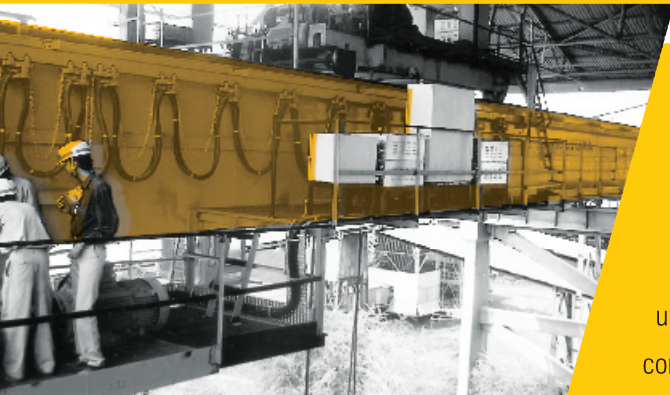
Air Conditioned Cabin

OTHER PRODUCTS

Grab Bucket







### QUALITY ASSURANCE :

No compromise is the cornerstone on which MELTECH builds its image of quality. Meticulous tests at various stages of production by highly qualified technicians equipped with the most advanced testing instruments ensure the strict quality adherence of MELTECH products. Meltech stringent Quality Assurance Plan does not leave anything unchecked from raw material to finished product. ISO 9001-2008 contributes meticulous planning & documentation facilitates smooth execution of any project.

All trial runs are performed inhouse upto final assembly and complete functional

testing is done at our works. Only after these rigorous tests cranes are cleared for dispatch.

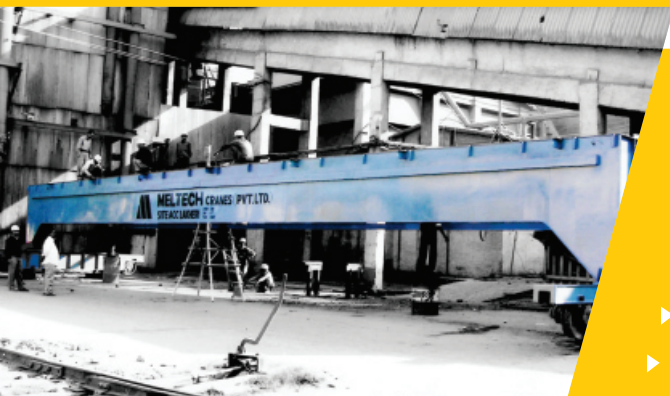
Meltech Cranes is privileged to be associated with some of the renowned consultants / inspection agencies such as A.B.S, I.R.S, B.V.Q.I, M.N.Dastur & S.G.S etc.

### AFTER SALES SERVICES :

Timely After Sales Service is the hallmark of Meltech Cranes.

Detailed Instruction Manuals are provided with the necessary information of correct operation of the crane with necessary preventive maintenance & trouble shooting chart.

Components and Spare Parts made available in short period to reduce the down time of the equipment.



### MODERNISATION SERVICES :

Further to the design, engineering of new equipment, MELTECH offers full modernization services from complete integration of old equipment.

- ▶ Custom engineered solutions for existing cranes :
- ▶ Re-engineering to improve performance
- ▶ Upgradation of capacity
- ▶ Upgrade to latest technological developments
- ▶ Retro fitting and re-location of cranes
- ▶ Replacement with new crane spares
- ▶ Refurbishment of imported cranes.

### OUR MAJOR CLIENTS



### CONSULTANTS ASSOCIATION



M. N. DASTUR & COMPANY (P) LTD  
Consulting Engineers

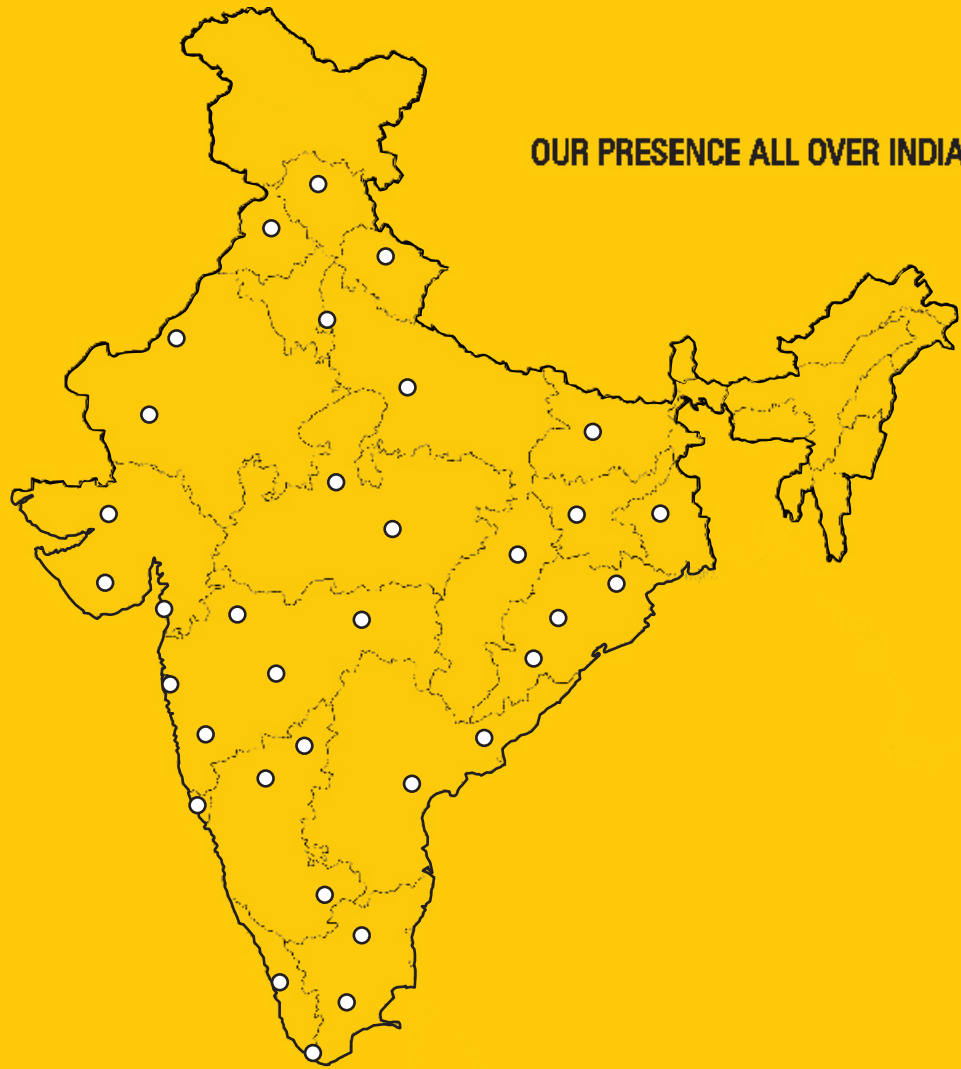


Development Consultants Private Limited  
An ISO 9001:2008 Company



ABS Consulting  
AN ABS GROUP COMPANY





**OUR PRESENCE ALL OVER INDIA**

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**Web:** [www.meltechcrane.com](http://www.meltechcrane.com)

### **Works:**

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Tel.: 0251-2620734 Telefax: 0251-2620410

**(Unit II)** F-24/1, MIDC, Anand Nagar, Addl. Ambernath - 421 506

### **Regional Sales & Service Centers:**

Kolkata, Jamshedpur, Bhuwaneshwar, Chennai & Cochin

