



Emco Dynatorq Pvt.Ltd.

(Formerly Emco Lenze Pvt.Ltd.)

SINCE 1975

CONTACTS

REGISTERED OFFICE & MARKETING DEPT.

- **Address** : 1st floor, Sita Mauli,
Above Bank of Maharashtra,
Madanlal Dhingra Road,
Panch Pakhadi, Thane (W), 400 602, INDIA
- **Telephone no.** : +91(0) 22 25405490/ 25452244/
25415913 / 14 / 25405488
- **Fax No.** : +91(0) 22 25452233
- **E-mail** : mktg@emco-dynatorq.in
- **Website** : www.emco-dynatorq.in



CONTACTS

MANUFACTURING UNITS

UNIT-I

Shivam Industrial Estate, Bldg.No.3,
Gala no.12A & 12B,
Tungareshwar Phata Road,
Sativali, Vasai (E)-401 208,
MAHARASHTRA, INDIA.
Phone:0250-2480489/2481256
Fax: 0250-2481086

UNIT-II

1003, GIDC, Waghodia,
Dist. Baroda-391 760, Gujarat, INDIA.
Phone : 02268-263086/262189
Fax : 02268-262180

UNIT-III

Gala no.6A & 8, Kedarnath Bldg.
Tungareshwar Indl. Estate,
Sativali, Vasai (E) -401 208,
MAHARASHTRA, INDIA.
Phone:0250-2480178/2480921

UNIT-IV

1426, GIDC, Waghodia ,
Dist. Baroda-391 760, Gujarat, INDIA.
Phone : 02268-290761



PROFILE

MILE STONES

- **1962 ESTABLISHED AS EMCO ELECTRICALS PVT. LTD.**
- **1975 JOINED HANDS FOR TECHNICAL COLLABORATION WITH LENZE & CO GmbH, GERMANY.**
- **1991 EMCO DYNATORQ PVT.LTD - THE NAME INCORPORATED.**
- **1993 ENTERED INTO FINANCIAL PARTICIPATION WITH LENZE THUS KNOWN AS EMCO LENZE PVT. LTD.**
- **2000 TECHNICAL COLLABORATION CONSUMMATES WITH LENZE.**
- **2006 FINANCIAL PARTICIPATION ENDS WITH LENZE AND WE ARE ADDRESSED AS EMCO DYNATORQ PVT.LTD.**
- **2008 COLLABORATION WITH THE CARLSONS COMPANY Inc. USA SIGNED.**



PROFILE

MANUFACTURING CAPABILITIES

- **38 Years of manufacturing experience.**
- **4 Manufacturing Units (plants).**
- **Total Plants area – 55,000 Sq. ft.**
- **Employing about 120 personnel.**
- **Team of more than 25 qualified Engineers.**
- **About 15 experienced supervisor.**
- **Production – Around 60000 units of Industrial brakes & clutches per year.**
- **Production – Around 35000 nos. of Precise sheet-metal/machined components/assemblies per year.**
- **We run double shifts in 2 units and single shifts in 2 units.**
- **Turnover 5 Million USD.**



PROFILE

CERTIFICATIONS & APPROVALS

- **CE Compliance, Certified by TUV SUD South Asia certifying body.**
- **QMS as per ISO: 9001:2008, certified by JAS-ANZ.**
- **UL approved products.**
- **Central Mine and Fuel Research Institute certified products.**
- **Approved vendor of MECON Ltd.(Govt. of India Ent.)**
- **ERDA certified products.**
- **DGFASLI approval.**



BRAKES



PRODUCT

TORQUE UPTO 4000 Nm

WE OFFER ELECTROMECHANICAL BRAKES

WITH MANY VARIANTS LIKE

- MARINE DUTY IP66 BRAKE
- FLAMEPROOF BRAKE
- CCV BRAKE
- DOUBLE BRAKE SYSTEM
- POWER SAVING BRAKE
- MULTIPOLE BRAKE

BRAKES & CLUTCHES



TORQUE UPTO 2500 Nm

Various Mounting Options.

Use Of German Prestressed Spring.



PRODUCT

TORQUE UPTO 2500 Nm

We offer variety of combination units which comprises of an electromagnetic clutch and brake, which can be used for continuous start stop function in any drive transmission arrangement of any machine or mechanism.

TORQUE UPTO 3650 Nm

We also offer Pneumatic and Hydraulic Brakes and Clutches in collaboration with The Carlsons Company Inc. USA.



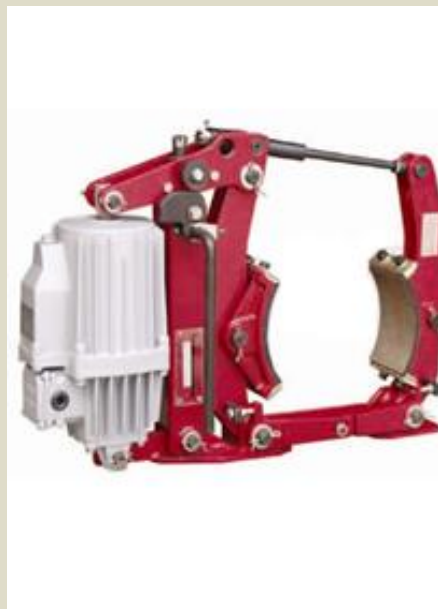
CLUTCH BRAKE COMBINATIONS



PNEUMATIC BRAKE



ELECTRO-HYDRAULIC THRUSTER BRAKE



PRODUCT

TORQUE UPTO 20,000 Nm

We have recently launched Electro Hydraulic Thruster Brakes in collaboration with The Carlsons Company Inc. USA.



ELEVATOR BRAKE



PRODUCT

TORQUE UPTO 2x750 Nm

We have recently developed Elevator Brakes, Powerful and featuring multi coil technology, EB.464 & 14.464 dual circuit spring applied brakes are ideally suited for use in passenger lifts.

The required redundancy is achieved by splitting the armature plate, if power is switched off, or on power failure, Emergency stoppage of brake ensures reliable and secure stop in any position. Safe operations are also guaranteed, both brake circuits are monitored with micro-switch.

Are available in following range:
2x90NM ,2x225NM, 2x450NM,
2x600NM,2x750NM



PRECISION SHEET-METAL / MACHINED COMPONENTS



PRODUCT

Having world class technologies and facilities like Trumpf(German make) CNC Laser cutting machine, Bystronic (Swiss make) CNC Bending machine and in machining side, Mazak integrex (Japanese make)Twin spindle/turret-12 axis CNC machine, 6 Axis CNC hobbing machine along with many more CNC Grinding and machining /turning centers , We also offer very precise sheet-metal and/or machined components as per customer drawing/requirements.

We do OEM supplies to MNCs' and 100% export oriented units more than 3000nos of components per month.



INFRASTRUCTURE



FACILITIES

4 Manufacturing Units (plants).

Almost all the manufacturing processes in-house which controls quantity-quality requirements.

Infrastructure doesn't matter for expansion any how.



INFRASTRUCTURE



FACILITIES

Department wise air-conditioned offices for officials.



INFRASTRUCTURE



FACILITIES

Air-conditioned Conference & Training Rooms.

Equipped with projectors for training & business meetings/presentation purposes.

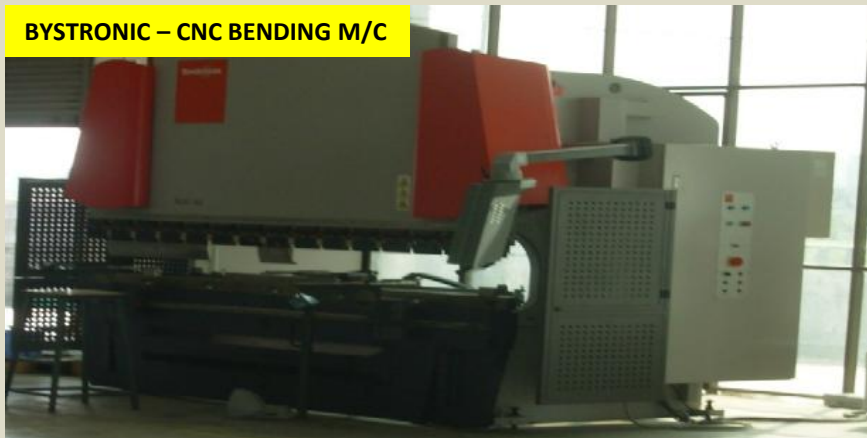


PRODUCTION FACILITIES

TRUMPF - LASER CUTTING M/C



BYSTRONIC – CNC BENDING M/C



CNC LASER WELDING M/C



FACILITIES

In the sheet metal segment world class facilities available like.....

Trumpf (German make) CNC Laser cutting machine can cut steel up to 20mm with 0.1mm accuracy.

Bystronic (Swiss make) CNC Bending machine with 3 meter span and various tools to fulfill every requirement of bending.

Laser welding machine having U.K. technology, laser beam can be adjusted in microns with zoom in through in-built camera for very precise welding need.

MIG welding m/c.



PRODUCTION FACILITIES

MAZAK INTEGREX



MAZAK INTEGREX I



FACILITIES

State of the art Mazak (Japanese Make) multi tasking machines are installed like.....

Mazak Integrex and Integrex-I, both machines are with two spindle and two turret -12 axis can perform turning, milling, drilling, tapping, threading in single set-up at both side of the job simultaneously with synchronization between spindles.



PRODUCTION FACILITIES

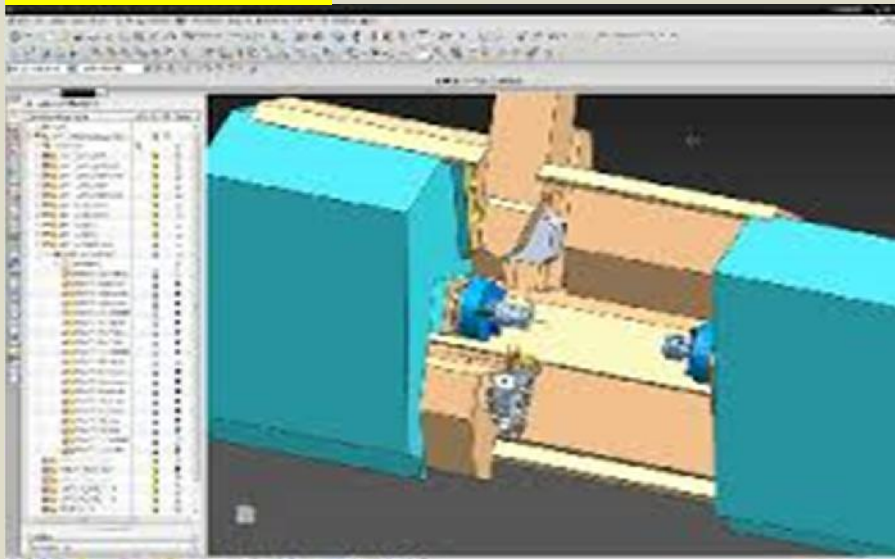
MAZAK HMC



FACILITIES

Mazak HMC with 60 tool magazine and pallet changer 12000 RPM spindle speed with 70 bar through coolant capacity can perform almost all machining operations in multiple jobs at single set-up.

PROGRAMMING ON CAM

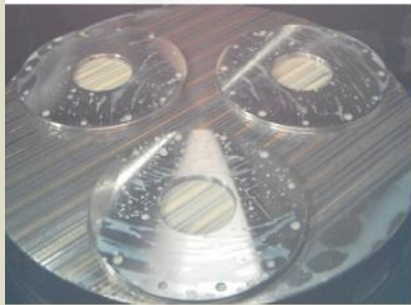


We also have license version of floating user NX CAM for fast & perfect programming of CNC machines for any critical machining operations.



PRODUCTION FACILITIES

WEDNT CNC GRINDING M/C



UCAM CNC GRINDING M/C



FACILITIES

CNC grinding machines which include WEDNT (Germany) make horizontal rotary surface grinding machines with a 400kg load carrying capacity of rotary table and swing over diameter up to 600mm.

Mobile portable surface tester to match the exact surface finish requirement.



PRODUCTION FACILITIES

FACILITIES

NITRIDING FURNACE



Nitriding furnace with automatic programmable cycle gives results up to 50 HRC with case depth of 0.015mm on armature plates & mounting flanges which results into negligible wearing and years of trouble free operations.

ULTRASONIC CLEANING M/C



Ultrasonic cleaning machines used for rotors to get thoroughly cleaned surface before bonding with friction liners which only gives proper bonding that never failed in any high torque application.



PRODUCTION FACILITIES

STRESS RELIEVING FURNACE



SALT SPRAY TEST M/C



FACILITIES

Stress relieving furnace with automatic programmable cycle gives protection against any thermal distortions after processes laser cutting, welding etc. to sustain the mechanical properties of material.

Salt spray test machine used for checking every lot after Nitriding to ensure anti corrosive property requirements.



PRODUCTION FACILITIES

CNC HOBBING MACHINES



FACILITIES

CNC 6-axis Hobbing machines with multiple spline modules to produce high quality precise gears (hubs) which can transmit radial force jerk/vibration free with minimum noise.



PRODUCTION FACILITIES



FACILITIES

There are numbers of CNC Vertical machining centers (VMCs') and CNC turning centers (TCs') are available to fulfill the various machining needs with in adequate quantity with consistency in quality.



PRODUCTION FACILITIES



FACILITIES

There are multiple set-ups for powder coating & encapsulation of stator which includes.....

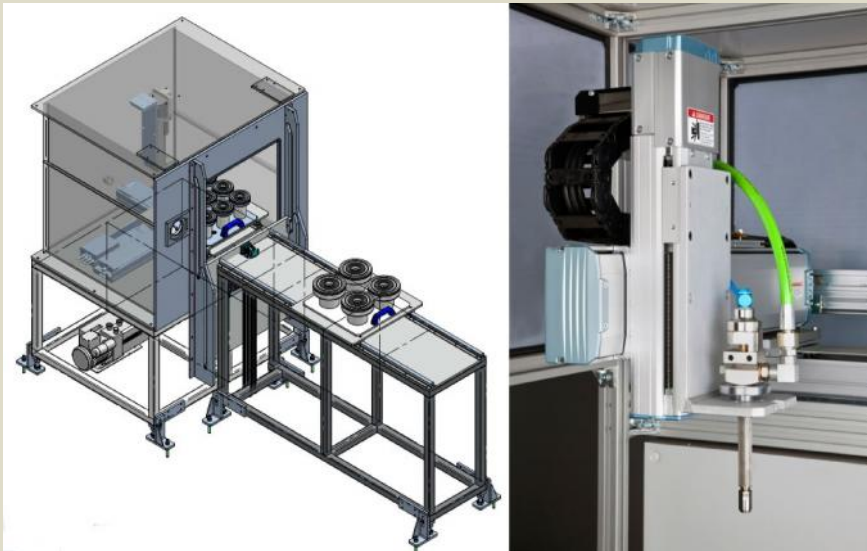
Electric Ovens & trolleys with guide rails for baking the lot of stator housing after coating.

Powder Spray booths & Guns with control panels to adjust flow to get the uniform layer of coating.

Coating thickness measurement device to control the process.



PRODUCTION FACILITIES



FACILITIES

There are advance technologies are adopted for coil winding & encapsulation of stator which includes.....

CNC Coil winding Machine (Ruff-Germany make) for high precision linear winding applications. The speed up to 12.000 rpm is one of the high lights.

Meter mix dispensing machine under vacuum with 3-Axis robotic dispenser to encapsulate coil without trapped air or moisture to increase winding life. Also with pallet changer for high productivity.



PRODUCTION FACILITIES



FACILITIES

There are multiple assembly lines to assemble & routine test for numbers of operational trials of the final product which includes.....

Separate assembling tables equipped with pneumatic guns with torque adjustments and all required kit of spanners & gauges.

Number of test set-us with test panels, electric motors.

Wrenches for torque measurement & Digital force measurement instruments to check hand release operation.



INSPECTION & TESTING FACILITIES



There are final inspection & testing batches available after every assembling lines, which includes.....

Testing of electrical parameters of the product like Coil connectivity with H.V. Tester, Coil Resistance measurement with Micro ohm tester.

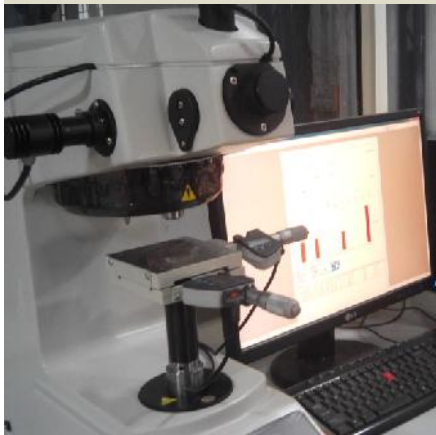
Rotor Face along with hub run out inspection.

Hub bore diameter inspection.

We do 100% inspection & testing of every batch as aforesaid.



INSPECTION & TESTING FACILITIES

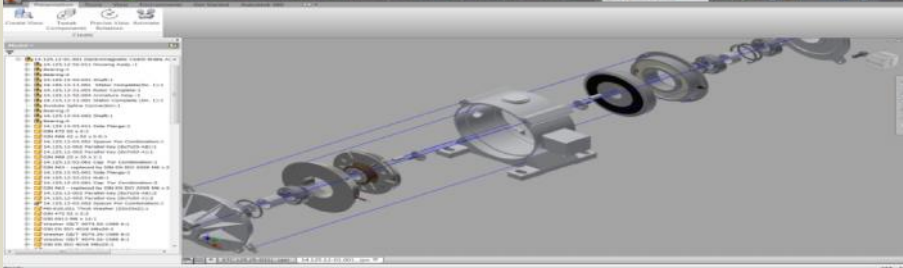
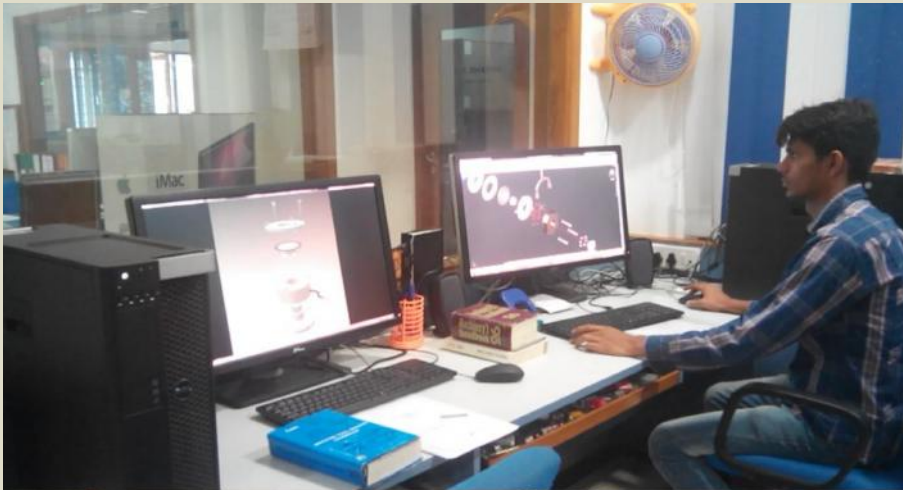


Our standard room, Production & Q.C. departments are well equipped with numbers of mechanical/electrical measuring & testing instruments / equipments. Few of them are as listed.

- Co-ordinate measuring machine CMM
- Mitutoyo Micro hardness tester
- Mitutoyo Surface roughness testers
- Rotor Face Run Out testing by Laser
- Spring/Magnetic Force Testing Machines
- Time Measurement with oscilloscope
- Brake Testing With Load Condition – Test Set-ups
- H.V. testers & Micro Ohm testers
- Numbers of digital/dial calipers & micrometers.



DESIGN & DEVELOPMENT FACILITIES



FACILITIES

We have two dedicated team for design & development.

D&D department facilitated with Design room, standard room and test labs equipped world class measuring & testing instruments / equipments.

We're having license version of multi user Auto CAD Design PC Suit Ultimate.



STORAGE & MATERIAL MANAGEMENT FACILITIES



FACILITIES

We're having adequate facilities for storage & preservation of materials.

There are strong rooms for expensive materials, bonded rooms for finished goods, Racks with numbers of bins for brought out items and heavy duty racks with pallets for raw material.

Flameproof cabinets & Refrigerators are also there for proper storage of material as per preservation guidelines.

For Material management multiuser ERP system established & to get visual control, KANBAN system adopted.



MATERIAL HANDLING FACILITIES



FACILITIES

We're having adequate facilities for lifting and handling of material as described below.

Toyota make Forklift of 1 ton capacity.

EOT crane of 2 ton capacity. – 5nos. And rails are extended to cover all required areas.

Hydraulic Jack 10 ton capacity – 2nos.

Movable trolley 20 ton capacity – 1 set.

Pallet Truck 1 ton capacity – 4 nos.



APPLICATION



Cranes & Hoists



Machine Tools



Packaging Machines



Textile Machines



Construction Machinery



Windmills



Conveyors



Printing Machines



Elevators



Pallet Truck Drives

You do not see us here, but we are there.



CUSTOMER BASE

FEW OF OUR ESTEEMED CUSTOMERS

SIEMENS LIMITED

MRF LIMITED

TATA POWER LIMITED

LARSEN & TOUBRO LIMITED

CEAT LIMITED

BHABHA ATOMIC RESEARCH CENTRE

HINDUSTAN MOTOR MFG. CO.

MARATHON ELECTRIC MOTORS (INDIA) LTD.

PRAGATI AUTOMATION PVT.LTD.

HERCULES HOISTS LTD.

REVA INDUSTRIES LIMITED

LAXMI HYDRAULICS PVT. LTD.

INDUSTRIAL CLUTCH

LAKSHMI MACHINE WORKS LTD

INTERNATIONAL COMBUSTION (INDIA) LTD

NUCLEAR POWER CORPORATION OF INDIA LTD

STEEL AUTHORITY OF INDIA LIMITED

INDIAN SPACE RESEARCH ORGANIZATION (ISRO)

BHARAT BIJLEE LTD.

NORD DRIVESYSTEMS PVT. LTD.

**COLOMBUS MCKINNON INDUSTRIAL
PRODUCTS**

LINKS INDUSTRIAL SUPPLIES

TELECO FRENI

JACOB MULLER PVT. LTD.

KIRLOSKAR TOYOTA

TORQUE TECHNOLOGIES

ALLTORQ LTD

LADEN (CHINA) TECHNOLOGY COMPANY

REMI ELECTROTECHNIK LTD.

SHREE KRISHNA SALES

GUNNEBO INDIA PVT. LTD.

KAIZEN SWITCHGEAR PRODUCTS



EXPORTS

WE ARE EXPORTING TO THESE COUNTRIES



GERMANY



THAILAND



USA



SOUTH AFRICA



CHINA



EGYPT



NETHARLANDS



ITALY



NORWAY



AUSTRALIA



MALAYSIA



U.K.



MOTTO

As the leading manufacturer of Industrial Brakes and Clutches from India, our customers are our most important asset. We are committed to creating products that will help you succeed, while being able to remain flexible, productive and profitable.



MISSION

Our engineers are dedicated in building world class solutions that enable you to offer your clients services that help them to be successful. As part of the Emco Dynatorq family, we are committed to ongoing investments in technological innovations that can enhance our product offerings to better serve you and your business now and in the future.



COMMITMENT

We firmly believe that partnering with a service or product provider you can trust, is important.

At Emco Dynatorq you will receive the right product - right support, at the right price – at all times.



OFFER

All of us at Emco Dynatorq look forward to partnering with you to make sure that you get the very best to become the very best in your own industry.





EMCO[®] & EMCO-Simplatroll[®]

making machines friendly

The brands emco & emco-simplatroll stand for uncompromised quality in products as well the services. Products that are safe & reliable and service that makes our products and your machines perform efficiently.

Thank You!

