

AN ISO 9001:2008 COMPANY



Customised Fasteners for a Demanding Environment



CORPORATE PROFILE

Industrial Engineering Corporation is on a 1,55,000 sq. ft. site in the Vasai suburbs of Thane, Maharashtra. The plant converts 8000 metric tons of steel per year into millions of fasteners.

Fasteners manufactured as per required standards have long been the product that IEC has been proudest to put its head mark on. IEC represents a benchmark in fastener quality and is considered the prime source of innovation and technology in India.

As world markets continue to change and issue new challenges to India's manufacturing, so IEC evolves to meet those challenges and ensure that the brand maintains the highest levels of quality and satisfaction to its customers.

IEC has over 4 decades of experience in fastener manufacture. The lessons learnt over this time now go into ensuring even the most complex fasteners are forged strictly in accordance with the specifications. One advantage is that the entire fastener – including the tool design, forging, heat treatment and plating is done under one roof. It is this level of scrutiny that results in high quality product.

IEC is manufacturing and exporting wide range of fasteners such as Bolts, Nuts, Washers, Studs, Foundation bolts, Threaded bars, Sag rods, Tie rods, Clamps and other items conforming to rigid international standards such as DIN, ASTM, BS, ANSI, JIS, IS, AS and ISO.

The company's products are used in building Automobiles, Railway wagons, Ships, Agricultural Pump sets, Electronic equipments, Setting up Steel, Cement, Paper, Petroleum, Fertilizer plants and construction of Hydel, Thermal, Atomic power stations.



MATERIALS

IEC have many years experience in the manufacture of fasteners in a wide range of materials. Our range of strategic bar stock gives us the ability to offer a rapid delivery response time in order to meet customer requirements.

Our scope of supply includes, but is not limited to, the grades listed below.

Grades for Bolts / Studs	
IS / ISO / DIN :	Grade 4.6, 4.8, 5.6, 5.8, 6.8, 8.8, 9.8, 10.9, 12.9
ASTM A 193 :	Grade B6, B7, B7M, B16, B8, B8M, B8T
ASTM A 307 :	Grade A and B
ASTM A 320 :	Grade L7, L7M, L43
ASTM A 325 / A 490 :	Type 1

Grades for Nuts	
IS / ISO / DIN :	Grade 4, 5, 6, 8, 10, 12
ASTM A 194 :	Grade 2H, 2HM, 6, 7, 7M, 8, 8M, 8T
ASTM A 563 :	Grade A, B, C, D and DH

Stainless Steel		Exotic Alloy, Duplex & Super Duplex
304	304L	Monel 400 / K500
310	316	Hastelloy B3, C22, C276,
316L	321	Inconel 600, 601, 625, 718
410	420	UNS S32750 UNS S32760

SURFACE COATING

IEC are also able to supply products with additional processes such as Surface Coatings depending upon your requirements.

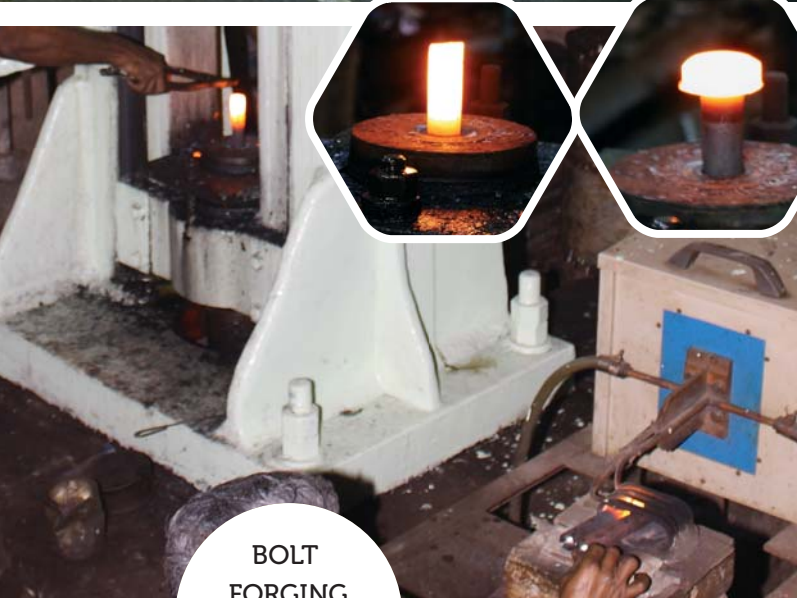
Xylan / PTFE	Zinc Plated
Hot Dipped Galvanised	Phosphated
Molycoated	Silver Plated
Ni-Cad Plated	Nickel Plated



MANUFACTURING FACILITIES



PLANT VIEW



BOLT FORGING



MACHINING



GRINDING



THREAD ROLLING



NUT FORGING



NUT MACHINING



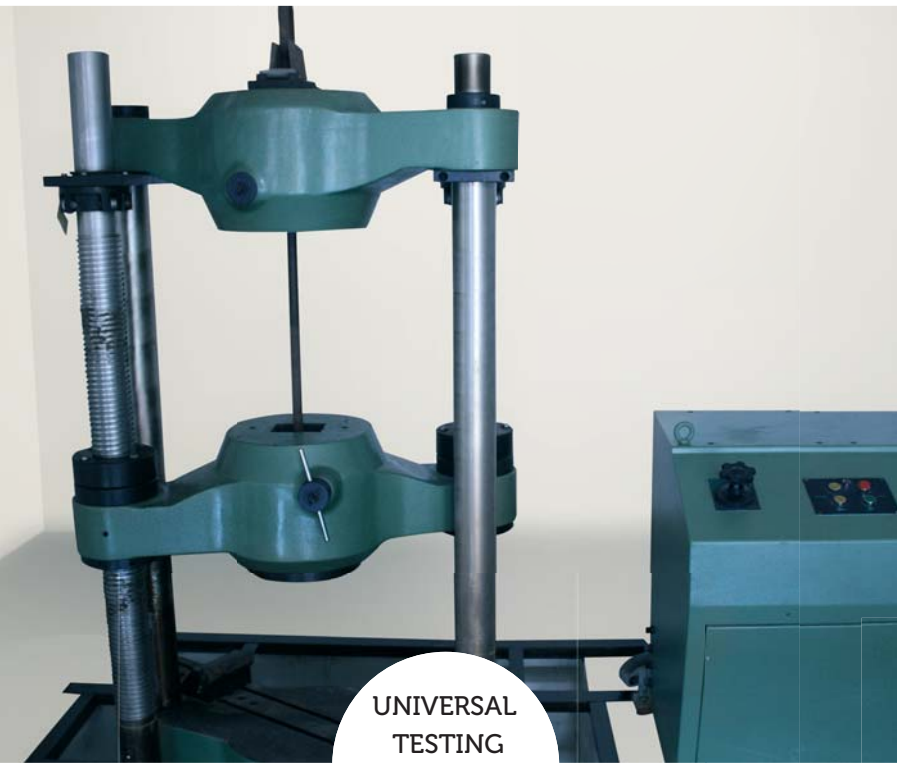
NUT TAPPING



HEAT TREATMENT FURNACE



LABORATORY & TESTING FACILITIES



UNIVERSAL TESTING



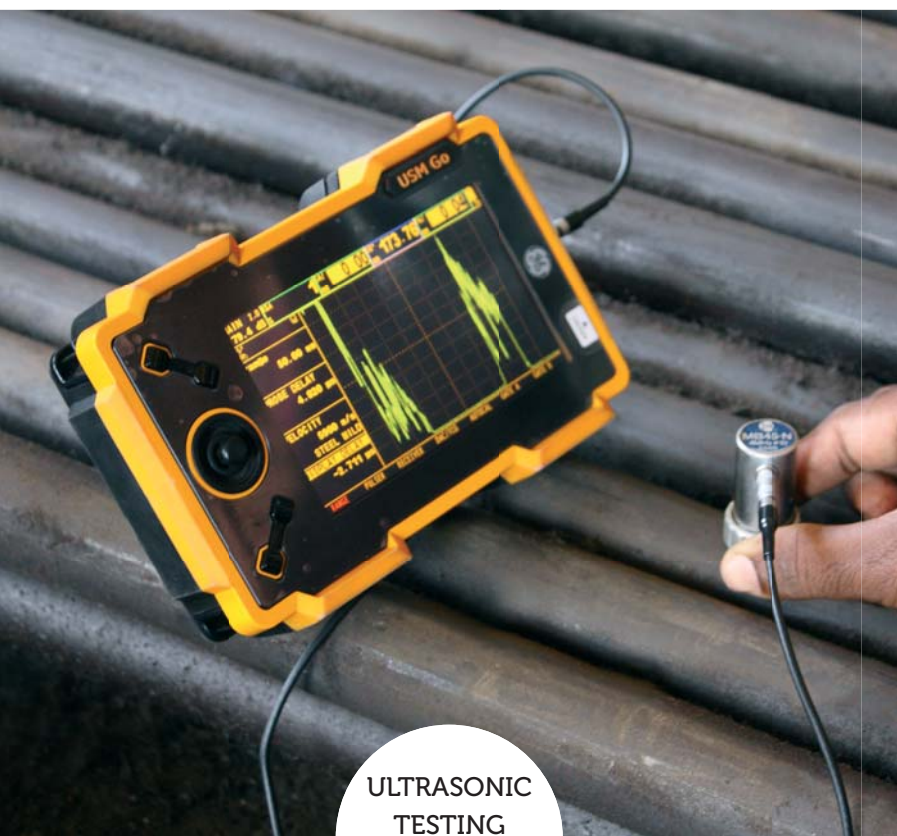
PMI



HARDNESS TESTING



HEAT TREATMENT CHART RECORDER



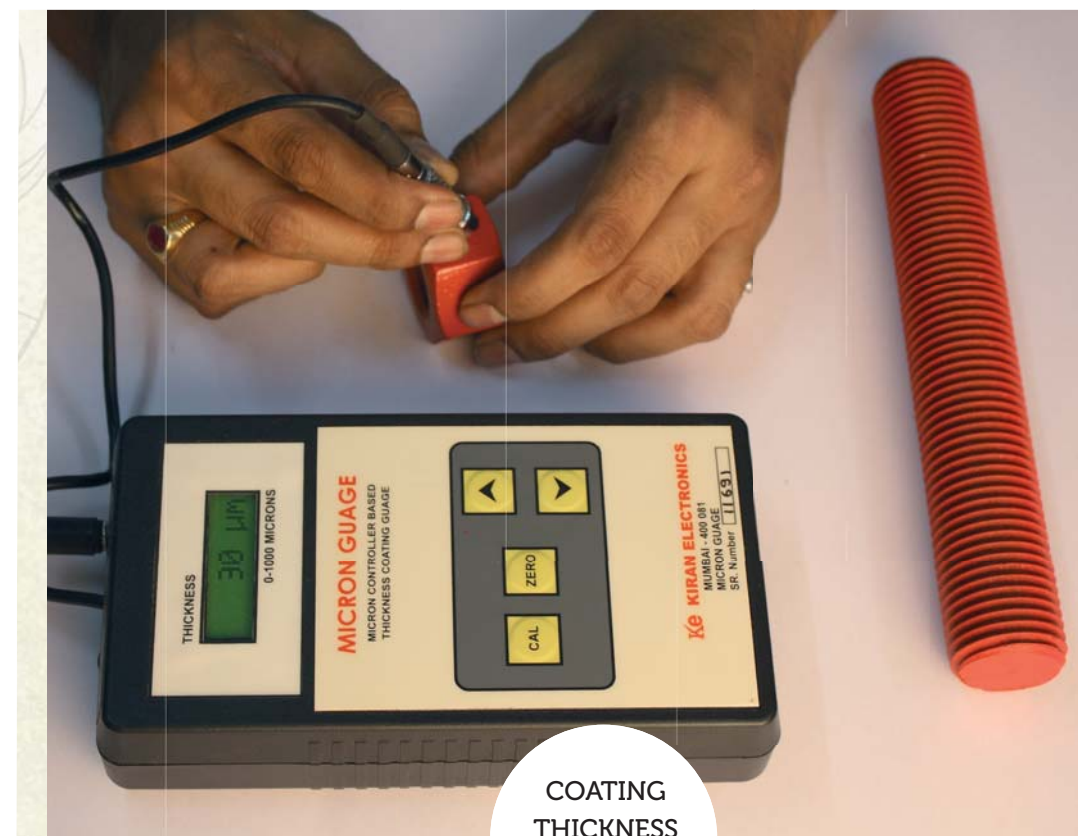
ULTRASONIC TESTING



MPI



IMPACT TESTING



COATING THICKNESS

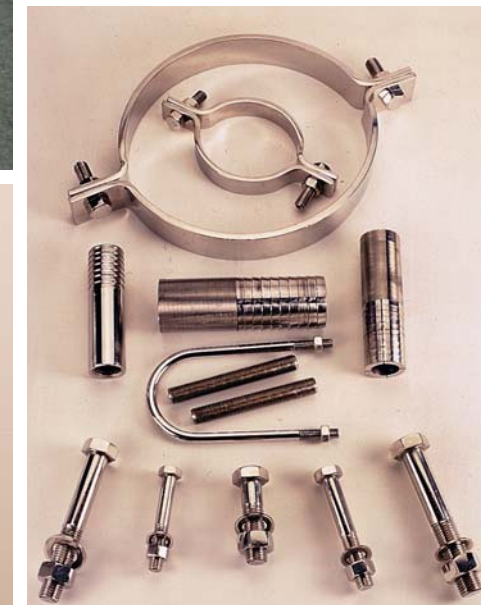


VARIOUS PRODUCTS & MANUFACTURING RANGE



IEC offers a wide range of production options to suit your unique requirements in terms of quantity, type of product and material.

DESCRIPTION	RANGE
Anchor Bolts, J Bolts, L Bolts, T Bolts, U Bolts	M12 to M200 (and Imperial equivalents) upto length 6 metres
Standard Bolts & Special Bolts as per drawing	M12 to M200 (and Imperial equivalents) upto 6 metres
Hot Forged Nuts	M12 to M200 (and Imperial equivalents)
Studs	M12 to M200 (and Imperial equivalents)





INSPECTION AND QUALITY CONTROL

IEC place a great emphasis to deliver

- Quality product to ensure peace of mind
- Quality service with prompt, accurate and full delivery of requirements
- Quality advice to ensure the best product is recommended for the application

Quality control is treated as a total concept, commencing prior to the purchase of raw material & continuing through to final delivery of product that fully complies with customer needs. IEC employs the latest quality assurance tools and measuring equipments to constantly check the process remains within the limits of the specification. IEC has in house laboratory and testing facilities. A full certification service - free of charge - is offered for the entire range which covers mechanical properties, chemical composition and other tests if required. We also undertake inspection before dispatch by buyer's inspector or their nominated agencies like Engineers India Limited, UHDE India Limited, Jacobs Engineering, Industrial Consulting Bureau Pvt. Ltd., Tata Consulting Engineers Pvt. Ltd., D.C.P.L., P.P.E.D. of Bhabha Atomic Research Center, Bureau Veritas, Bax Counsel, D.N.V., Indian Register of Shipping, Germanischer Lloyd, LRIS, PDIL, SGS, Tata Projects, MECON, TUV or any other agency.





Manufacturer of Fasteners

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