

ELECON LOOSE GEARS





WORLD'S MOST TECHNOLOGICALLY ADVANCED GEAR MANUFACTURING FACILITY

BHANUBHAI MEMORIAL CENTRE OF EXCELLENCE (BMCE)

In the last six decades, Elecon have conducted intensive research in gear technology and manufacturing techniques. We have developed a variety of products in the transmission industry from worm gears to helical, from planetary to variable speed fluid couplings. This development has demanded a significant investment in manufacturing capability from gear cutting right through to heat treatment and profile grinding. This new plant has the capacity to manufacture sufficient helical gears to produce 1000 assembled gear units per month.

This plant is a tribute to our founding Chairman, Lt. Shri Bhanubhai Patel, who wanted to remain "Always a step ahead in technology"



Way back in 1951, Elecon set out on its journey to scale new heights of technical excellence, creating landmarks at every juncture, From elevators and conveyors, to high quality gears and material handling equipments. Elecon set up a separate Gear Division in the year 1976. Elecon is also known for its pioneering acts in India. The first to introduce modular design concept, case-hardened and ground gear technology in India. These path breaking efforts are backed by full fledged departments employing a strong, skilled work force. It has supplied hi-tech equipments to major core sectors such as fertilizer Plants, Cement Plants, Coal and Lignite Mines, Power Plants, Textile Plastic, Steel Plants and Port Mechanization in India and abroad.

MODERN INFRASTRUCTURE

- Elecon designs & manufactures a wide range of worm, parallel shaft and right angle shaft helical and spiral bevel helical gears with horizontal and vertical output shafts in various sizes, from single to quadruple stage reduction. These gears are compact and light, Saving space, reducing foundation structure costs and lubricating oil consumption.
- Deploying modern technology – CAD / CAM in Engineering and Manufacturing on a continuous basis is the selling point of the company.
- Elecon Gear Division is acknowledged as the most modern in the industry. All of Elecon's machinery is computer controlled (CNC) ensuring high degree of precision on Manufacture, design and quality testing of gear components to DIN / AGMA international specifications.
- Elecon has recently inaugurated "Bhanubhai Memorial Center of Excellence (BMCE)" - an ultra-modern, purpose-built facility for manufacturing standard helical and bevel-helical gears with a higher volume of production and greater accuracy, utilizing the latest in manufacturing techniques .
- Elecon has unmatched expertise in providing customized gear boxes for Steel Mill, High Speed Turbine, Sugar Mill, Marine, Plastic Extrusions,

Cement Mills, Rubber mill, Hydro Turbine, Windmill gearboxes and many more.

- Elecon is prepared to deliver within deadlines. It is made possible through highly on-line computerised system of advanced Planning and Scheduling software.

ISO 9001 – CUSTOMER SATISFACTION

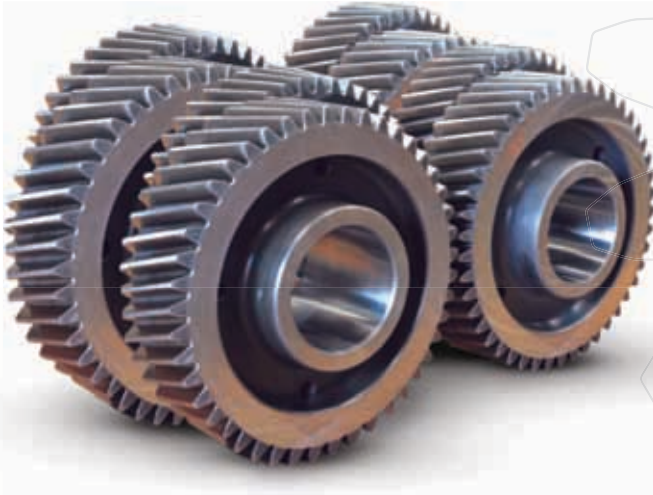
- In November 1994, Elecon gear quality management system achieved international recognition and at present we are ISO 9001-2008 Certified Company. Quality and service is part of Elecon's planned strategy to serve customers better.
- Inhouse heat treatment facilities for case carburizing and nitriding.
- NABL approved laboratory for physical and chemical testing of material.

NEW GENERATION TECHNOLOGY

- Elecon has introduced EON/EOS series industrial gearboxes for all standard applications. This new series features a variety of enhancements such as higher torque ratings, better thermal characteristics, universal mounting options and multiple accessories to enable adaptation to the most stringent requirements.
- Elecon now provides spiral bevel skiving (hard cutting) technology and infrastructure to make spiral bevel pairs up to 1100 diameter.
- Super NU Series supplied with factory, 'Fill and Forget' concept using Synthetic long life lubrication, increased Power Transmitting Capacity in sizes 1.5/8", 1.3/4", 2.1/4" and 3".....



Bird eye view of Elecon Gear Division



HELICAL/SPUR GEAR WHEEL

Capacity

Dia.: Up to 3000 mm

Width: Up to 600 mm

Module: Up to 32 mm

Quality class: Up to DIN 4

DOUBLE HELICAL GEAR WHEEL

Capacity

Dia.: Up to 3000mm

Width: Up to 600 mm

Module: Up to 32 mm

Quality Class: Up to DIN 4



PINION SHAFT

Capacity

Dia.: Up to 1100 mm

Length: Up to 2800 mm

Module: Up to 32 mm

Quality Class: Up to DIN 4

SPIRAL BEVEL GEAR - HARD CUT



Capacity

Wheel Dia.: Up to 1100 mm

Module: Up to 14 mm

Quality Class: Up to DIN 5

INTERNAL GEAR/ ANNULUS

Capacity

Dia.: Up to 3000 mm

Width: Up to 500 mm

Module: Up to 32 mm

Quality Class: Up to DIN 5



WORM PAIR

Capacity

Up to 17" Center Distance

WORM PAIR FOR BALL MILL

Capacity

20" to 54" Center Distance





Gear Hobbing Machine
(Internal / External - 3000 mm Dia)



Heat Treatment Process



Spiral Bevel 'Hard Cut' Machine (1100 mm Dia)



Profile Grinding Machine (Internal / External - 3000 mm Dia)



Gear Tooth Profile Grinding Machine

National Branches :

AHMEDABAD

Tel: +91 79 26406683/26406684
 Fax: +91 79 2640 1363
 Email: salesahd@elecon.com

ASANSOL

Tel: +91 341 2305901
 Email: salesahd@elecon.com

BANGALORE

Tel: +91-80-25250219/25252925
 Fax: +91 80 2228 1834
 Email: salesbgl@elecon.com

BILASPUR

Tel: +91 07752 247723/247625
 Fax: +91 7752 247720
 Email: salesbil@elecon.com

CHENNAI

Tel: +91 44 24349237/24349497
 Fax: +91 44 2434 9643
 Email: saleschn@elecon.com

DHANBAD

Tel: +91 326 2230490
 Email: saleschn@elecon.com

HYDRABAD

Tel: +91 40 64561199
 Email: salessec@elecon.com

INDORE

Tel Fax: +91 731 257 6100
 Email: salesindr@elecon.com

KOLKATA

Tel: +91 33 2476 1861/2476 0904
 Fax: +91 33 2476 1831
 Email: saleskol@elecon.com

MUMBAI

Tel: +91 22 22821315/22820725
 Fax: +91 22 2287 0791
 Email: salesbom@elecon.com

NAGPUR

Tel: +91 712 6642600/6642 601
 Email: salesnag@elecon.com

NEW DELHI

Tel: +91 11 23414634/23414260
 Fax: +91 11 2370 9046
 Email: salesdel@elecon.com

PUNE

Tel: +91 20 40191400
 Email: salespune@elecon.com

RAIPUR

Tel: +91 771 2259 321/23/24/30
 Email: salesrai@elecon.com

SECUNDERABAD

Tel: +91 40 2784 6984/2784 5250
 Fax: +91 40 2784 8317
 Email: salessec@elecon.com

VADODARA

Tel: +91 265 2312972
 Email: salesvad@elecon.com

Service Center:

ELECON ENGG. CO. LTD.

Plot No.77,GIDC Mithirohar,
 Gandhidham, Kutch, Gujarat - 370 201
 Mo.: +91 82003 42047
 Email: drsuthar@elecon.com

ELECON ENGG. CO. LTD.

S.F.No.44/3, Madurai Road,
 T Kunnathur Village, Peraiyur Taluk,
 Madurai, Tamilnadu - 625708
 Mo.: +91 99406 37009
 Email: pramchandran@elecon.com

International Network:

MIDDLE EAST :

ELECON MIDDLE EAST FZCO, Dubai

Phone : +97 146 091 424, +97 146 091 425
 Fax : +97 146 091 426
 E-mail : salesme@elecon.com

FAR EAST :

ELECON SINGAPORE PTE. LTD.

Phone : +65 622 782 58
 Fax : +65 622 789 42
 E-mail : salesap@elecon.com

radicon

AUSTRALIA

Radicon Transmission
 (Australia) Pty. Ltd.
 Tel: +61 488 054 028
 Fax: +61 295 213 522
 salesap@elecon.com
 www.radicon.com

UNITED KINGDOM

Radicon Transmission UK LTD.
 Tel: +44 (0)1484 465800
 Fax: +44 (0)1484 465801
 sales@radicon.com
 www.radicon.com

THAILAND

Radicon Transmission Thailand Ltd.
 Tel : +66 38 459 044
 Fax: +66 38 213 655
 salesap@elecon.com
 www.radicon.com

UNITED STATES OF AMERICA

RADICON USA
 Tel. 1-847-593-9910
 Fax. :1-847-593-9950
 salesusa@radicon.com
 www.radicon.com

MIDDLE EAST

Radicon Transmission FZE
 Tel: + 97165527950
 Fax: + 97165527951
 radicon@eim.ae
 www.radicon.com

benzlers

DENMARK

Benzler Transmission A/S
 Tel: +45 36 34 0300
 info@benzlers.com
 www.benzlers.com

FINLAND

O.Y. Benzler AB
 Tel: +358 9 340 1716
 Fax: +358 10 296 2072
 info@benzlers.com
 www.benzlers.com

GERMANY

Benzler Antriebstechnik
 Gmbh
 Tel: +49 0800 350 4000
 Fax: +49 0800 350 4001
 mail@benzlers.com
 www.benzlers.com

NETHERLANDS

Benzler-TBA BV
 Tel : +31 077 324 5900
 Fax: +31 077 324 5901
 mail@benzlers.com
 www.benzlers.com

SWEDEN

AB Benzlers
 Tel: + 46 42 18 68 00
 Fax: + 46 42 21 88 03
 info@benzlers.com
 www.benzlers.com

