

INDIA FLEX ENGINEERING

MANUFACTURER OF EXPANSION JOINT & PRESSURE VESSEL

INTRODUCTION OF COMPANY

- ❖ We are India Flex Engineering pleased to introduce ourselves as one of the leading company for design and manufacturing of Metallic and Nonmetallic Expansion Joint, hoses and pressure vessel equipment in Ahmedabad − India, established in August 2010. India Flex Engineering is Partnership Firm and annual turnover is more than 5 Crore. India Flex Engineering committed to his client for batter service and technical support. We believe that internal & external customer satisfaction is achieved through a better management, quality of products, technical knowledge, experience and services that needs to continuous improvement of the system.
- India Flex Engineering has invested heavily in modern infrastructure, latest technology for Bellows Long Seam Welding and Hydro Forming, R & D and quality manpower that result in a product quality that more than meets the existing quality standards of national & international customer's, consultants and government sector.

❖ We are...

- I. We are a passionate people, process driven local business succeeding globally through entrepreneurial business units, that values our internal and external customers and suppliers.
- II. We combine engineering and process of industry knowledge, service, integrity and urgency with efficient systems.
- III. We plan and communicate aggressive but achievable targets and turn them into actions. Our metrics are visible and monitored consistently at all levels with continues improvement.
- IV. We provide our people with clear objectives and support them with the necessary resources, holding individuals accountable and recognizing success whilst also managing poor performance.
- V. We strive for zero harm amongst our people and those around our business, and act responsibly within our communities.

this is the	way we delive	er superior re	turns to	o our share	holders.
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We can......

- I. We can do all the uncomplicated and complicates jobs in a field for any time.
- II. We have the solution for each difficulty in the engineering filed.

GENERAL INFORMATION OF ORGANIZATION

- Name of Company INDIA FLEX ENGINEERING
- Nature of Activity Design and Manufacturing of Metallic & Non-metallic Expansion
 Joints and General Fabrication Work including Pressure Vessel.
- Establishment Year Since August 2010.
- ❖ Work Area 23,725 Square Foot.
- Category of Enterprise Small Scale Industries.

- (TM)
- ♦ SSI Part II No 24-007-12-39488 Issued Date 19/04/2012.
- VAT/CST No VAT No 24075105965 & CST No 245751065 Dated 26/05/2010.
- PAN CARD No AADFI 0376 A Dated 01/04/2010.
- Excise No AADFI 0376 AEM 001 Div III Range V Dated 20/03/2013.
- ❖ IEC No 0810009269 Issued date 20/07/2010 from Ahmedabad.
- GST No 24AADFI0376A1Z0 Dated on 26/06/2017.
- Location of Company Plot No B-4 & B-5, Swagat Industrial Park 3, Ahmedabad Indore Highway Village Kuha Ahmedabad 392433 INDIA.
- Contact Details Mr. Kalpesh Patel (+91 9099 809920) (knpatel@indiaflex.com)

Mr. UpendraPatel (+91 9879 729214) (uvpatel@indiaflex.com)

HISTORY OF COMPANY

Year 2009

Think about India Flex and prepare the design software and drawing for manufacturing machinery for Expansion Joint.

Year 2010

Officially register as Partnership Firm with SSI unit in June 2010 at Ahmedabad – INDIA. Started production of Expansion Joint on October 2010.

Year 2011

- Up to March 2011 achieve the turn over 10Lacs.
- Register with NSIC D&B SMERA performance & Credit Rating.

Year 2012

- Up to March 2012 achieve the turn over 97 Lacs.
- Acquired ISO 9001:2008 Through TUV NORD.

Year 2013

- Up to March 2013 achieve the turn over 107 Lacs.
- Apply Vendor approval for Gujarat Water Supply & Sewerage Board (GWSSB).

Year 2014

- Up to March 2014 achieve the turn over 276 Lacs.
- Acquired the approval in SABIC.
- Apply the workshop approval under Indian Boiler Regulation (IBR).

Year 2015

- Acquired the work shop approval under Indian Boiler Regulation (IBR).
- Up to March 2015 achieve the turn over 98 Lacs.

Year 2016

- Up to March 2016 achieve the turn over 300Lacs
- Apply Vendor approval for GWSSB.
- Under updating of EJMA/ASME Bellows design software.

Year 2017

- > Up to March 2017 achieve the turn over **180Lacs**
- > Renew the IBR Certificate and manufacture under IBR job for Thick Wall Metallic Bellows.

Year 2018

- > Up to March 2018 achieve the turn over **250Lacs**
- > Approved vendor in BHEL Bangalore for Metallic Expansion Joints.
- > Approved WPS/PQR/WQR under EN STD for CE PED SEP and Category 1.
- Recertification ISO 9001:2015 Through TUV NORD.

Year 2019

- Up to March 2018 achieve the turn over 520Lacs.
- ➤ We shifted our Company to our new location which is 23,735 Square Foot Area with modern facility for manufacturing and office.

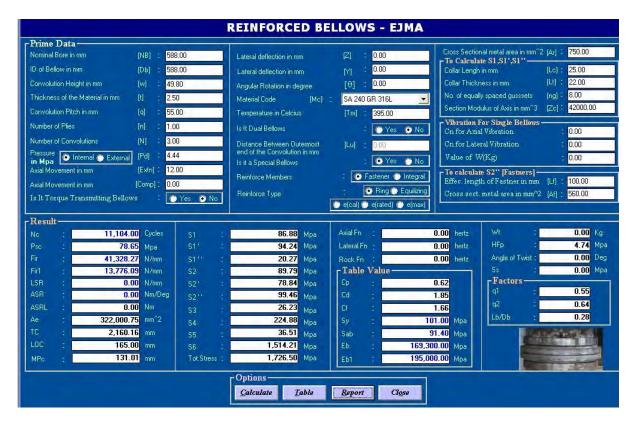
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QUALITY ASSUARANCE & OBJECTIVE

- We have adopted quality management in our organization and our mission is to deliver products and services to the utmost satisfaction and expectation of our customers. This is achieved by continuous improvement and enhancement of our activities and systems at all level. We also get an ISO 9001:2015 certificate in India Flex Engineering. We are committed to being a customer's oriented organization where quality is the inspiration and innovation on the way ahead. We also believe this no compromise in quality and therefore accuracy in products, response and service after sales is the essence of our being.
- Today IFE have experienced and dynamic young quality personnel with a mission to assure best quality product and service after sales to the utmost satisfaction and expectation of customers. Quality Assurance is achieved through continuous improvement & enhancement of our activities and application for modern system at all level.
- To maintain better position as internal manufacturing and supplier of quality product.
- To conforming the relevant specifications and to build a high level of customer confidence and satisfaction
- To continual improvement of the quality system...

DESIGN & SERVICES

Design and calculation as per EJMA 10th Edition, ASME 2017 SEC VIII DIV I Appendix 26 for Metallic Expansion Joints.



- Design and Selection of Material as per Fluid Sealing Association (FSA) standard for Non-metallic Expansion Joints.
- Design and calculation as per ASME 2017 SEC VIII DIV I for General Fabrication and Pressure Vessel equipment.
- Solving and Recommendation of piping Application of Expansion Joints.
- Emergency Repair, Breakdown, Clam Shell Bellows and Reconditioning of Expansion Joints.
- Site Visit and Serve report for Expansion Joints.

LIST OF KEY MACHINERY WITH CAPACITY

- Shearing Machine 0.3mm to 3mmT X 1500mm Width (Nantong Reliant Co. Ltd China)
- Sheet Rolling Machine 0.3mm to 1.6mmT X 1000mm Width (AKBEND Germany)
- Plate Rolling Machine 1.2mmT to 6mmT X 1500mm Width (Nantong Reliant Co. Ltd China)
- Plate Bending Machine 6mmT to 25mmT X 3000mm Width (By Self India)
- Plate Bending Machine 16mmT to 55mmT X 3000mm Width (By Self India)
- Automatic Long Seam Welding Machine 0.3mmT To 3mmT X 1500mm Width (By Self India)
- Hydro Forming Machine 50NB to 900NB 200 Ton Capacity (By Self India)
- Semi Automatic Punch Forming Machine 650NB to 7000NB 200Ton Capacity (By Self India)
- Re-rolling Machine 200NB to 7000NB (By Self India)
- Press Machine 200Ton Capacity (By Self India)
- Press Machine 800Ton Capacity (By Self India)
- CNC Oxy-Cut Machine Up to 150mmT (China)
- Hydro Testing Pump Up to 280Bar (Maximator Germany)
- TIG/ELECTRIC/MIG Welding Machine Up to 400Amp (D&H, Warp, Essab and BTH)
- Welding Electrode Oven 50 to 400 Deg Cen 50Kg (Heat & Control System India)
- Air Compressor 10Bar Pressure (Indo Air Compressor India)
- Radial Drilling Machine Up to 32mm Dia (Rajkot India)
- Splicing Iron Up to 400 Deg Cen (Eewa Engineering India)
- Air Plasma Cutting Machine Up to 25mmT S.S. (Accurate India)
- Vacuum Pump Up to 758.90mmHg (Joyam Engineers & Cons. Pvt. Ltd)
- ❖ EOT Crane 10Ton 2nos and 5Ton 1nos.

MANUFACTURING & TESTING CAPACITY

- Pressure Range Full Vacuum up to positive pressure at 300Bar.
- Temperature Range Minus 165Deg Cen to 1400Deg Cen.
- Movement Range Any of movement subject to service condition and overall length(OAL).
- Vibration Low to high frequency and low amplitude.
- Hydro Forming Hydro Forming 50NB to 900NB (Unreinforced, Reinforced & Toroidal)
- Semi Automatic Punch Forming 650NB to 7000NB. (Unreinforced and Reinforced)
- Square and Rectangular Forming Up to 6mmT any Shape and Size for square and rectangular.
- Non-metallic Fabric and Rubber Bellows for any size and shape.
- Pressure Vessel & General Fabrication Up to 38mmt any shape and size.
- Material -
 - I. Austenitic Grade (SA 240 GR 304,304L,304H,310S,310H316,316L,316H,316Ti,321,904L & 309S).
 - II. Duplex (SAF 2205 UNS S31803, 253MA UNS S30815 ect..)
 - III. Nickel Alloy (Inconel/Incolloy-600,601,625(UNS N06600,6601,6625) 800,800HT,825, N0880,8810.8811,8825).
 - IV. Nickel-Copper Alloy (Monel) UNS N04400.
 - V. Titanium GR 1.
 - VI. Carbon Steel / Mild Steel.

Testing -

1. Non Destructive Testing

- 1) Radiography Test Examination
- 2) Liquid Penetrant Test Examination
- 3) Magnetic Particle Test Examination
- 4) Ultrasonic Test Examination
- 5) Air Jet Leak Test Examination
- 6) Pressure Test Examination (Hydro or Pneumatic Test)

2. <u>Destructive Testing</u>

- a) Fatigue Cyclic Life Test
- b) Squirm Test
- c) Meridional Yield Rupture Test

OUR GROUP OF COMPANY

ROLEX INDUSTRIES (Heavy Machine Shop)

www.rolexind.com

AMRUTA ENGINEERS

(Concrete Batching Plant & Canal Paver /Road Paver)

www.amrutaengineers.net



ANKUR ENGINEERS (Construction Machinery Spares)

www.ankurengineers.com

AAKASH METAL INDUSTRIES (Non-ferrous Foundry)

www.aakashmetal.com

ROYAL STELL INDIA (Heavy Fabrication Shop)

www.royalsteelindia.net

PHOTOS FOR FINISH PRODUCTS

Unreinforced Metallic Expansion Joints :-













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Reinforced and Toroidal Expansion Joints :-











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Square and Rectangular Expansion Joints :-









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Non-metallic Expansion Joints :- (Rubber and Fabric)





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Thick Wall Expansion Joints :-



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Pressure Vessel Equipments :-







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OUR CLIENTS



































TATA CHEMICALS









































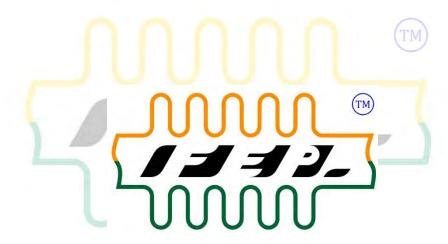
WE ARE HERE......











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India Flex Engineering

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