

FORGEWELL LIMITED

Quality Forgings for more than 35 Years

Carbon, Alloy & Stainless Steels

www.forgewell.com

FORGEWELL LIMITED Steel Forgings & Machined Parts



PLOT 24 DLF INDUTRIAL AREA, PHASE - 2, FARIDABAD 121 003 (HARYANA) INDIA

Phone: +91-129-4113000 Mobile: +91-98100 38448 E-MAIL – <u>info@forgewell.com</u> web – www.forgewell.com

15 miles from New Delhi International Airport, 2 miles from dry Port

INTRODUCTION

Forgewell Limited commenced manufacturing activity in 1978 and has over the years established itself as the leading supplier of custom made duly heat-treated Steel Forgings, Rough Turned or CNC Turned components.

More than 90% sales to Tier 1 & OEM's

Product Range:

- Drop Forgings (40 KG max) (88 Lbs)
- Ring Rolling (25 KG max, 550mm OD/55Lbs, 22 in OD)
- Turned Components (400mm OD, 630mm length)

Forging Equipment

- Four Drop Hammers
 - 3.5T, 2 T, 1.5 T, 0.75 T
- Ring Rolling
 - Four Production Lines
- 400 T & 250T Friction Screw Press
- Die & Tooling manufactured In-house
- Induction Billet Heating on all lines

Raw Material

- Common Grades Processed:
- 20MnCr5 (AISI 5120), 16MnCr5
- 16CrNi4 (AISI 3115)
- 19CrNi5
- 18NiCrMo5
- EN 24
- EN 19
- SAE 8620
- SAE 4320H
- SAE 4140
- SAE 1053
- 42CrMo4
- ST 52.3 (S355J2G3) or 20Mn2
- C45
- 34CrNiMo6
- SS 304, SS 304L, SS 316, SS 409

Material is Color Coded to avoid mix up

Laboratory

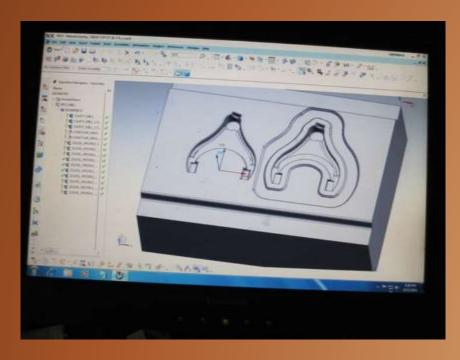


Optical Emission
Spectrometer for
Chemical Composition
Testing

- Muffle Furnace
- Jominy Testing
- Hardness (Rockwell/Brinell)
- Microscope for Microstructure Testing

Tool Room

- Die Design
 - Die Design using NX9
 Software from Siemens



Die Machining



Forge Shop

- 4 Drop Hammers ranging from 0.5 to 3.0 Tons
- 4 Ring Rolling Lines (Vertical)





Heat Treatment

- Fully Automatic Sealed Quench furnace (Ipsen)
- Fully Automatic Gas Nitriding Furnace (Ipsen)
- Pneumatically operated pusher type automatic continuous furnaces with oil quench, water quench
 & polymer quench facilities
- Fluidized bed furnaces with automatic temperature controllers & graph recorders
- Table type double door shot blasting machine
- Ultrasonic cleaning machine

Heat Treatment Processes

- Annealing
- Normalizing
- Isothermal Annealing
- Nitriding
- Carburizing
- Carbonitriding
- Nitrocarburizing
- Neutral Hardening
- Solution Annealing
- Hardening & Tempering
- Induction Hardening

CNC Machining Shop

- CNC Turning Centers 20 Nos.
- Vertical Milling Machine VMC 05 Nos.
- Centering Facing Machine for Shafts
- 3 D CMM Mitutoyo
- Contour Tracer Mitutoyo
- Profile Projector Mitutoyo
- Surface Finish Tester Mitutoyo
- Dot Pin Marking Machine
- Plus other allied testing instruments

Inspection



Profile Projector



Mitutoyo 3D CMM



Mitutoyo Contour Tracer

Drop Forged Parts









Machined Parts













Despatch

- Export Sea worthy packing (VCI)
- Full Heat Traceability
- Dimension Report
- Heat Treatment report
- MicrostructureSample



Quality Certificate

IATF16949:2016 certified by BSI, UK

bsi. Certificate of Registration QUALITY MANAGEMENT SYSTEM - IATF 16949:2016 This is to certify that: Forgewell Limited Plot No. 24 **DLF Industrial Area** Phase II Faridabad 121 003 operates a Quality Management System which compiles with the requirements of IATF 16949:2016 for the following The Manufacture of Hot Forgings and Machined Components. Permitted Exclusions: Product Design. For and on behalf of BSE: Managing Director, BSI India, Venkataram Arabolu BSI Certificate Number: 505290 IATF Number: 0287408 Page: 1 of 1 _making excellence a habit. Latest Issue: 2018-01-29 Expiry Date: 2021-01-28 This certificate was issued electromistly and revisins the property of this and it issued by the couditions of contract. no electronic perdificate can be sufficiently and policie. Writing copies can be velocited at veraclar-global compliant (land) bridge or salephone +91.11 (mill) 9000. Number confictation regarding the scope of this confidence and the application of CVIT times (20th requirements may be distincted by consulting the organization. This confidence is with only if provided output requirement in complete set. If confidence is with only if provided output requirement in liquid or inject representation. Bill, The Milks Corporate Notice (A-Y), Mot 1, and 3, Select Regar, Matheirs Scool, Note (Add; 110 DBE, A Maction of the Bill Group of Companies.

PED Quality Certificate



CERTIFICATE

Quality Assurance System for Material Manufacturer acc. to Pressure Equipment Directive 97/23/EC

Certificate no.: 07-202-1409 WZ-2117/16

Name and address of manufacturer:

Forgewell Limited Plot No-24, DLF Industrial Area

Phase-2, Faridabad - 121 003, Haryana, India

This is to certify that the manufacturer has implemented and applies a QA System.

This QA System has been subjected to a specific assessment for material acc. to Directive
97/73/EC, amex t, sec. 4.3 with regard to the materials mentioned within the scope of approval.

Approved:

QA System acc. to AD2000-Merkblatt W0 and EN 764-5, sec. 4.2

Audit report no.:

811 279 7432 (TN India)

Scope of approval:

Carbon Steel Flanges and Forged Components

Details of the scope are mentioned in the annex of the

certificate AD2000-Merkblatt W0.

Production site:

Piot No-24, DLF Industrial Area, Phase-2, Faridabad – 121 003, Haryana, India

The manufacturer disposes of the essential procedures and equipments as well as the required qualified personnel to ensure quality of manufacturing and testing the materials and products mentioned in the scope of approval.

Essen, 29.06.2016

Notified Body

Remark of validity;

Große Barostraße 31 D-22529 Hamburg-Germany

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CERTIFICATE

The TÜV NORD Systems GmbH & Co. KG

certifies that the company

Forgewell Limited
Plot No-24, DLF Industrial Area
Phase-2, Faridabad – 121 003, Haryana, India

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07-203-1409-WP-2117/16

The scope of approval is available in the annex "scope of approval", file no. SEI-890/16 / 811 379 6611

The company fulfils the following essential requirements:
Facilities permitting appropriate manufacturing and inspection corresponding to the present technical standards, quality assurfance, which guarantees that manufacturing and inspection of products stated in our scope of approval are carried out in accordance with technical regulations, completent supervising and inspecting personnel.

This certificate is valid until

June 2019

Essen, 29.06.2016

Niekamp

TUV NORD Systems GribH & Co. KG - Technikzentrum - Nutfled Body for Pressure Equipment (Reg. -No. 0045) Grode Bahmstalle 11 - 2253 Hamburg Telephone +48 201-825-2722 - Fax +49 201-825-255 - E-mail dowkamp@nuer-nord.de

STREAM ADDITIONS Demand 19-10, 59, No. 10, Sec. 11

Customers

- Oerlikon Graziano Trasmissioni
- Oerlikon Fairfield Manufacturing
- ABB
- Escorts Tractors
- Trelleborg Vibracoustic
- Direct Exports to France, Germany, Hungary, Netherlands, Lithuania, Argentina & Brazil

Thank You

www.forgewell.com

info@forgewell.com