



**FORGEWELL LIMITED**

Quality Forgings for more than 35 Years

**Carbon, Alloy & Stainless Steels**

**[www.forgewell.com](http://www.forgewell.com)**

# ***FORGEWELL LIMITED***

## ***Steel Forgings & Machined Parts***



PLOT 24 DLF INDUSTRIAL AREA, PHASE - 2,  
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web – [www.forgewell.com](http://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



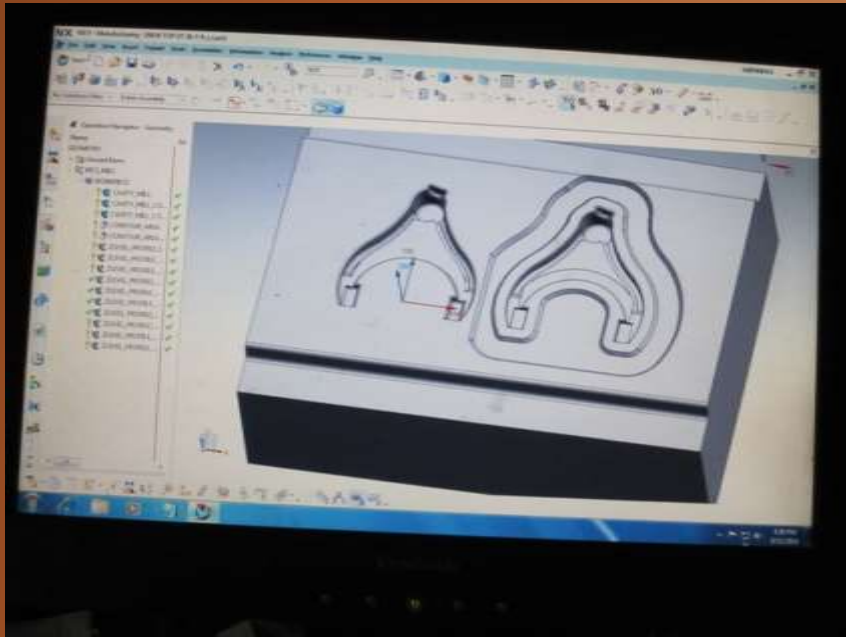
Optical Emission Spectrometer for Chemical Composition Testing

- 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
- Microstructure Sample



# Quality Certificate

- IATF16949:2016 certified by BSI, UK

**bsi.**   
By Royal Charter


## 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  
Haryana  
India

operates a Quality Management System which complies with the requirements of IATF 16949:2016 for the following scope:

The Manufacture of Hot Forgings and Machined Components.  
Permitted Exclusions: Product Design.

For and on behalf of BSI:   
Managing Director, BSI India, Venkatesan Aravolu

BSI Certificate Number: 505290  
IATF Number: 0287408

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Certification Date: 2018-01-29 Latest Issue: 2018-01-29 **...making excellence a habit.<sup>®</sup>**  
Expiry Date: 2021-01-28

This certificate was issued electronically and remains the property of BSI and is issued by the conditions of contract.  
An electronic certificate can be downloaded from [www.bsi-group.com](http://www.bsi-group.com).  
Printed copies can be ordered at [www.bsi-group.com](http://www.bsi-group.com)/certificates or telephone +44 (0) 300 9000.  
Further clarifications regarding the scope of this certificate and the applicability of IATF 16949:2016 requirements may be obtained by contacting the registration.  
This certificate is valid only if provided original system file is complete set.  
IATF Contracted Office: BSI, Naraina 22, 110028, New Delhi, India. Telephone: +91 (0)11 26381321 at 38th Okhla Rd, High Road, London WC4A 4AL, UK.  
BSI, The Millers Corporate Centre (A-2), Plot 1 and 2, Sector 16G, Gurgaon Road, New Delhi 110 085.  
A Member of the BSI Group of Companies.





# Customers

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

# Thank You

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