



FORGINGS

Forging Forward.
Delivering Trust.



**FORGING FORWARD.
DELIVERING TRUST.**

W W W . A F P L . I N

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COMPANY PROFILE

AFPL Forgings - An unparalleled commitment to quality

- Over 51 years of excellence
- Focus on quality & reliability
- Integrated ERP systems for efficiency
- Standard & Customized Flanges. size range up to 36" single piece forgings, Profile Forgings, High precision machined components.

Specializations:

- Super Duplex steels
- Chromium & Nickel-based alloy steels
- High dimensional accuracy & surface finish
- Automated VMC machine-made forging dies



Position/Who are we

We are an ambitious forging company.

With a will to grow, a need to improve and a purpose to make a positive impact.

Promise/What we assure

We deliver with trust and integrity.

In every order and every interaction in the journey.

OUR **AMBITION**

FOR OUR
CUSTOMERS

To deliver precision, performance,
and continuous improvement.

FOR OUR
PARTNERS

To share success, built
on consistency and credibility.

OUR **VALUES**



Live as a
Team



Aspire to
Learn



Perform for
Customers



Forge with
Ownership

Impacting 5,000 lives annually across employees,
families, suppliers, and local communities.

OUR
GLOBAL COLLABORATIONS



PRODUCT
OVERVIEW

FLANGES



SIZES	1/2" TO 36"
PRESSURE RATING	150#, 300#, 400#, 600# 900#, 1500#, 2500#
FLANGE TYPES	WNRF, SORF, SCRD, BLRF, SWRF, RTJ, Lap Joint, TOUNGE & GROOVE, LWNRF, SRN NOZZLE, RINGS, HOLLOW, SHAFT
STANDARDS	ASME B16.5, ASME B16.36, ASME, ASME B16.47, B16.48,, ASME B16.25

PRODUCT
OVERVIEW

Our manufacturing capabilities allow us produce profile forgings upto 25 kg and round/hollow forgings upto 100 kg of almost any material.

GATE & GLOBE
VALVES FORGINGS

COMES IN A SET OF 2 PCS : BODY + BONNET	
SIZES	1/2" TO 2"
PRESSURE RATING	800#, 1500#, 2500#
TYPES	Y TYPE, FLANGE TYPE GLAND TYPE



COVER PLATE

SIZES	190mm, 220 mm, 250mm 280mm, 320mm, 340mm
TYPES	Plate

MANIFOLDS

SIZES	As per Customer's Requirement
TYPES	T Type, H Type, Elliptical Body



OIL & GAS SECTOR

CUSTOMIZED PRODUCTS FOR INSTRUMENTATION, OIL & GAS INDUSTRIES & REFINERIES

- Auto Shut-Off Valves
- End Caps with adapter
- Forged Rings (Max OD upto 300mm & thickness upto 55mm)
- Round Bars (Max OD upto 125mm & length upto 1mtr)
- Round Blanks (Max OD upto 300mm & thickness upto 55mm)
- Sway Struts of various sizes



CUSTOMIZED PRODUCTS FOR NUCLEAR, RAILWAYS & DEFENCE INDUSTRIES

AFPL produces various precision equipment for Nuclear, Railways & Defence industries. Our vast product range includes Shackles, Hooks, Tees, Connecting Rods, Clevis (size 1, 2 & 3) amongst others.

RANGE OF STEELS

While AFPL has the infrastructure & capability to forge almost any raw material, we specialize in forging Super Duplex Steels and Exotic Nickel, Copper & Chromium based alloys of international quality, that require extensive forging experience & craftmanships. These Super-alloys a & a high performance alloys have become the steel of choice for corrosion resistance and versatility.

SOME OF THE RAW MATERIAL FORGED BY US ARE:



- Carbon steels (such as A-105, EN-8, EN-24)
- Low temperature steels (such as A-350, LF-1, LF-2 & LF-3)
- Stainless steels (such as F-304L, F-316L, F-321 F-347, F-44, F-317L, F-310, F-904L, SS-410)
- Low Alloy steels (such as A-182 F-1, F-5, F-9, F-11, F-22, F-44, F-91)

- Duplex / Super Duplex steels (such as F-51, F-53, F-55, F-60)
- Non-ferrous Alloy steels such Brass, Copper-Nickel (90/10, 80/20)
- Exotic Nickel Based Alloy Steels:
 - Monel 400
 - Inconel (600, 601, 625, 825 and above)
 - Incoloy (800, 800 H/800 HT and above)
 - Hastelloy (C-276)



MANUFACTURING FACILITIES



FORGE SHOP

3 numbers closed-die friction drop hammers of 1MT, 1.5MT & 2.5MT and 5 Ton Open Hammer capacities respectively with the capacity to produce single piece forgings up to 1500 kg in weight

Multiple trimming & hydraulic presses upto 650MT capacity.

High Quality German-made Billet shearing & Bandsaw machines for raw material cutting

MACHINING FACILITIES

A range of CNC Machining centers, lathe & drilling machines allows us to produce fully machined forgings with a high degree of dimensional accuracy.

All forging dies are made on fully computerized vertical machining centers (VMC) which allows smooth grain flow of material.

Fettling shop with heavy duty grinding & shot blasting facilities.

HEAT TREATMENT FACILITIES

Electric, Gas & Oil fired furnaces equipped with temperature controllers & recorders along with water/oil quenching tanks allowing us to perform an exhaustive range of heat treatment processes such as:

- Normalizing
- Stress Relieving
- Annealing
- Hardening
- Tempering
- Solution Treatment
- Carburizing
- Nitriding

CERTIFYING AGENCIES

We work with almost all major inspection / User agencies of International reputes such as:



KEY CERTIFICATIONS



ISO 9001:2015 Global standard for quality management systems (QMS).	ISO 45001 Global standard for occupational health and safety (OH&S) management systems.	IBR - Indian Boiler Regulation (IBR) 1950 is a statutory regulation that sets standards for the design, manufacture, installation, and operation of boilers.	EIL - Engineers India Limited One of India's most sought after government certifications for the Oil, Gas & Petrochemical sector	CRN - Canadian Registration Number Approval of the Canadian government to supply our products across Canada	PED - Pressure Equipment Directive Certification under EU guidelines for the design & manufacturing of pressure equipments in the EU region	HPCL - Hindustan Petroleum Corporation Limited It operates refineries, pipelines, and markets petroleum products, including fuels, lubricants, and aviation fuels	ADNOC - Abu Dhabi National Oil Company ADNOC Certification ensures global standards of quality, safety, and operational excellence across oil, gas, and industrial sectors
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SUPPLY CHAIN CONCLAVE

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We value our
partnership with you
and look forward to
continued success
together



OUR ACHIEVEMENTS

AFPL Forgings has been honored with the prestigious "Outstanding Performance and Unwavering Dedication" award at the Forbes Marshall Awards Ceremony 2023: Celebrating Excellence and Innovation. This recognition is a testament to our commitment to excellence and innovation in the forging industry.



OUR
CLIENTS

Our products find application in a wide range of Industries such as in Oilfields, Power Plants, Defense, Atomic Energy, Space Research, Railways, Automobiles and Construction. Some of our esteemed clients are as below:

 Isgec Heavy Engineering Ltd.	 GAIL (India) Limited	 WIKAI India	 Nuclear Power Corporation of India Limited
 EMERSON	 BELL SEAL VALVES PRIVATE LIMITED	 Bharat Petroleum Corporation	 FLOWERVE
 john crane	 THERMAX	 thyssenkrupp	 UNI Klinger
 CLYDE BERGEMANN	 Small Arms Factory	 Indian Railways	 ATAM VALVES
 ZOLOTO VALVES	 Bliss Anand	 CHEMTROLS SAMIL (INDIA) PVT. LTD.	 Automat ... The level specialist
 B AND R	 BRP BONGAIGAOON REFINERY PETROCHEMICALS LIMITED	 Oil & Natural Gas Corporation	 FLOWTECH
 LARSEN & TOUBRO	 FORBES MARSHALL	 IndianOil	 MICON ENGINEERS (HUBLI) PRIVATE LIMITED
 OSWAL INDUSTRIES LTD.	 MULTITECH ENGINEERING Mfg. of INDUSTRIAL VALVES	 JMD Engineering	 DEE Development Engineers Limited
 Steel Strong Valves	 EIL ENGINEERS INDIA LIMITED A Navratna Company	 Armstrong	 MultiTech
 NETA	 DL VALVE PVT.LTD Industrial Valves Manufacturer	 Kochi Refinery	 Fluidline
 Micro Precision Products	 Thermosystems	 Rockwin Flowmeter India Pvt Ltd	 INDIA GLYCOLS LIMITED
 GRAND PRIX	 PARIN VALVES	 SULZER	 COMFIT

CSR
INITIATIVES

By prioritizing environmental sustainability and implementing proactive measures to minimize environmental impact, we are working towards contributing to a cleaner, healthier, and more sustainable future for us and the planet.



With the support of NGOs, AFPL and SUGAM (group companies) sponsored the planting and maintenance of over 16,000 trees across India under the 'Green Hands' project, contributing to a better and more sustainable future.

BLOOD DONATION CAMP
at AFPL premises



CRAFTING **ENGINEERING SOLUTIONS**,
TAILORED FOR YOUR SUCCESS



ISO 9001-2015 CERTIFIED | EIL APPROVED | PED APPROVED | CERTIFIED AS "WELL KNOWN FORGE"

REGD. OFFICE & WORKS

Anandwar, A-5, Site-IV, Industrial Area,
Sahibabad, Ghaziabad 201010, Uttar Pradesh, India.

UAE OFFICE

Vortexen Dynamics Industrial Solutions,
Tamouh Tower, Reem Island, Abu Dhabi, UAE

✉ marketing@afpl.in

🌐 www.afpl.in

☎ +91 8920424366

🌐 <https://linkedin.com/company/afplforgings>

☎ +91 1204109499