



AUTO INTERNATIONAL



(An ISO 9001:2008 TÜV Rheinland, India Certified Co.)

"TRUST is THE BACK BONE OF BUSINESS"

ADDRESS:

**Village Mangarh,
Kohara-Machhiwara road,
Ludhiana-141112 (Punjab)
India**

Tel : +91 161 2848953

Fax: +91 161 2848874

Website: www.aint.in

E-MAIL: info@aint.in

Profile

Auto International - A renowned company involved in the manufacturing for Forged and Machined components Located in Ludhiana, the world's famous industrial hub of Punjab- India. It is an medium scale unit and one of the respected companies in India's private sector.

Our customer-focused approach and the continuous quest for a world-class quality have enabled the company to attain and sustain the leadership in this line of business.

Auto International believes that progress must be achieved in harmony with the environment. Hence Commitment to community welfare and environmental protection are an integral part of our vision.

Auto International is the pioneer in manufacturing precision auto and tractor components for OEM's of MUV, LCV, MCV, HCV, Cars and Tractors. A modest beginning in fiscal year 2001-2002 of expertise coupled with technical excellence enables the company to support its customer's requirements and deliver the product with impeccable quality at a very competitive cost.

Mission:

To develop market driven products and to achieve long term customer loyalty through timely delivery of quality products at competitive cost by utilizing high productivity levels, trained human resources, team based & customer oriented work culture with continues improvement.

Vision:

"A world-class organization where people team up to produce consistent quality forged components and innovative solutions for customers"

Future Plans:

Auto International is relentlessly striving for a sustainable tomorrow by bettering today. We explore emerging technology to bring new age solutions to our customers & serve their growing requirements with high quality forged components. At **Auto International**, quality & innovations are the prime concerns and in our endeavor to create products that are superior in quality and at pace with new technologies, we constantly keep upgrading our infrastructure and workforce skills with an objective to provide better results.

Auto International is looking forward to expanding the production capacity and its reach in terms of customers. We deliver excellence and aspire to further raise the benchmark.



Tractor Parts



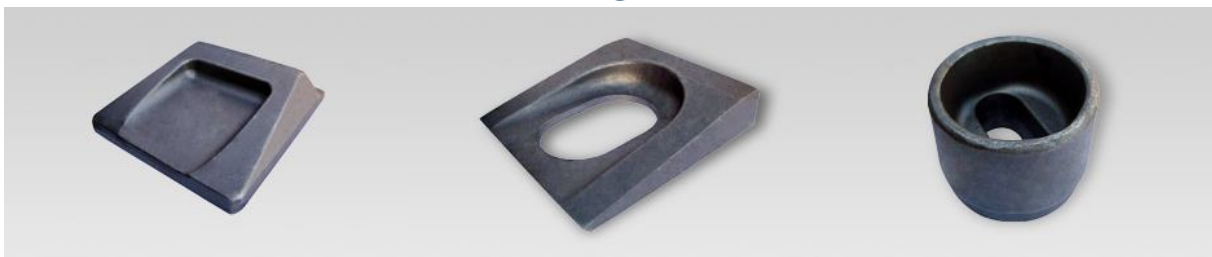
Automotive Parts



Machined Parts



Railway Parts



Trailer Parts & Earth moving Eqp. Parts



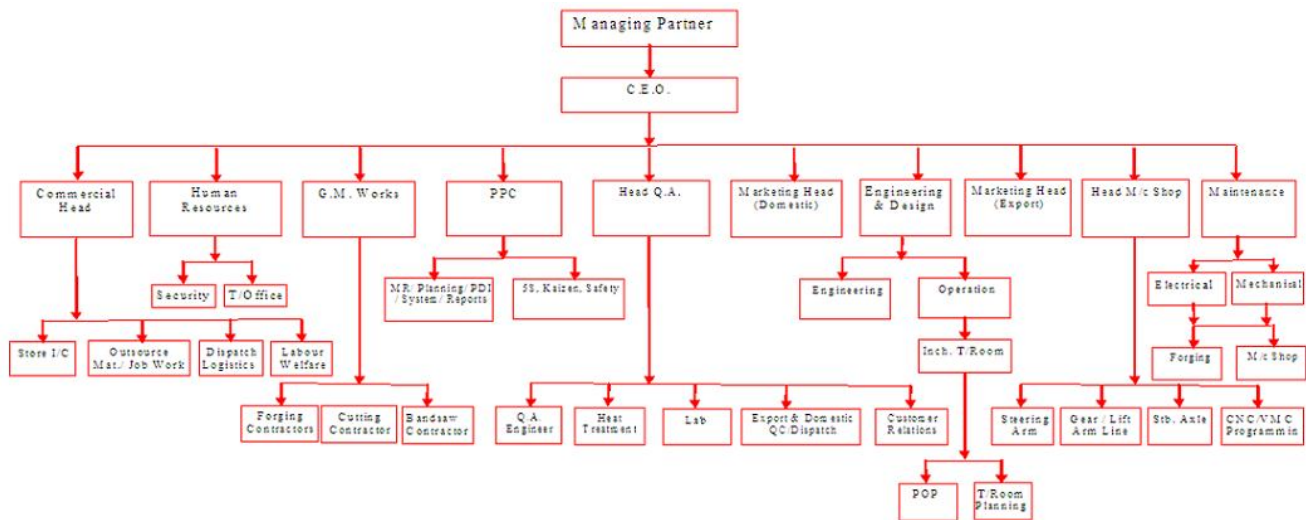
Industrial Fasteners & Striking Tools



Miscellaneous



Organization Chart



R&D:

Truly evolve as a globally competitive organization **Auto International** has also equipped itself with advanced capabilities to manufacture various automobile parts with customer design or by reverse engineering. We have developed a research & development unit, which allows us to deliver our entire gamut with hassle free results. We are backed by a diligent team of researchers, who conduct extensive market studies in order to keep themselves abreast with the latest technological developments.

- Capability for Synchronized Development:
 - Develop according to drawing or samples provided by clients? Yes
 - Develop 3-D model and prototype according to client's need? Yes
- Lead Time for New Development: 15 days
- Tooling Design: Design Internally
- Source of Tooling: Outsourcing
- Software/Profile: SOLID EDGE, AUTOCAD

Quality:

Auto International believes that each order & every customer, no matter how large or small, should receive the best service and highest quality possible. As a service to our customers **Auto International** provides:

- ISO 9001-2008 compliant processes.
- Documentation available beyond industry standards
- Repeatability of tight tolerances of all parts.
- Extreme customer focus for customized or specialized parts
- Consistently provide top quality for large production runs
- Enhance product development for the success of the customer



Machinery & Testing Equipments

LIST OF MACHINERY

Sr. No.	Name of Machinery	Qty.
1(a)	Drop Forged Hammer 1 Ton	1
(b)	Drop Forged Hammer 1.5 Ton	3
(c)	Drop Forged Hammer 2 Ton	1
(d)	Drop Forged Hammer 2.5 Ton	1
2	Electric Billet Heater 250kw	1
3	Oil Fired Furnace Continuous Type	6
4	Oil Fired Furnace Batch Type	6
5	Heavy Power Press 200 Ton	1
6	Heavy Power Press 150 Ton	8
7	Sheering Machine	2
8	Band Saw	8
9	Isothermal Normalizing Furnace (Continuous Type)	1
10	Shot Blast Machine	4
11	NDT Testing Machine (Magnaflux)	1
12	Eddy Current	1
13	Microscope with Image Analyzer	1
14	VMC Machine (Makino, Jyoti, Daewoo)	4
15	CNC Turning Machine (Double Head)	2
16	CNC Turning Machine	3
17	Milling Machine	2
18	Shaper Machine	2
19	Lathe Machine	13
20	Lathe with Copy Attachment	30
21	Cylindrical Grinding Machine	5
22	Vertical Broach Machine	1
23	Horizontal Broach Machine	6
24	Milling Machine	12
25	Hydraulic Press	3
26	Drill Machine	15
27	Radial Drill Machine	2
28	Facing & Centre Machine	3
29	Tool & Cutter Grinding Machine	1
30	Spectrometer Meter for Chrome Checking	1
31	Surface Roughness Machine	1
32	Mig Welding	4

LIST OF MEASURING INSTRUMENTS & TEST EQUIPMENTS

Sr. No.	Name of Measuring Instruments	Qty.
1	Plug Gauge	21
2	Taper Plug Gauge	2
3	Snap Gauge	32
4	Sq. Snap Gauge	1
5	Receiving Gauge	5
6	Thread Ring Gauge	4
7	Radius Gauge	9
8	Depth Gauge	2
9	Puppy Dial	2
10	Plunger Dial	6
11	Magnetic V Block	7
12	Magnetic U Block	1
13	Granite Surface Plate	6
14	Digital Weighing Balance	1
15	Bevel Angle Protector	1
16	Combination Set	1
17	Angle Plate	3
18	Parallel Clamp 6"	1
19	Parallel Clamp 8"	1
20	Micrometer	24
21	Inside Caliper	1
22	Vernier Caliper	17
23	Height Gauge	7
24	Digital Temp. Controller	10
25	Thermocouple	9
26	B. Hardness Tester	1
27	Rockwell Hardness Tester	2
28	Weight Scale	1
29	Digital Temp. Indicator	1
30	Pyrometer	1

Process Flow Charts

PROCESS FLOW CHART – FORGING

Sr. No.	Operations
1	Raw Material
2	Testing-Chemical & Physical (Macro) & Mechanical
3	Cutting
4	Heat Treatment (Normalizing / Hardening Tempering)
5	Forging
6	Trimming
7	Hot Inspection
8	Visual Inspection
9	Hard & Temper
10	Shot Blasting
11	Magna Flux
12	Inspection
13	Packing
14	Dispatch

PROCESS FLOW CHART - MACHINING COMPONENTS

Sr. No.	Operations
1	Receipts of Raw material
2	Incoming Inspection
3	Cutting (if from Bar Stock)
4	Machining (Drilling, Conventional Machining, VMC Machining, CNC Turning, CNC Milling, Tapping, Grinding, Knurling)
5	Induction Hardening (if required)
6	Deburring
7	Final Inspection
8	Marking & RPO Lubrication
9	Packing
10	Dispatch

Infrastructure



Forge Shop



"Makino" VMC



Sheering Section



Die Shop



Raw Material Storage



Chemical Lab



Iso Thermal Normalizing Furnace



Image Analyzer

Market Presence:

Auto International is prominent supplier of Forged & Machined components to various OEM's in India & exports to world market.



INTERNATIONAL TRACTORS LTD.



TATA

TATA MOTORS LTD.



TRACTORS & FARM EQUIPMENTS LTD.



Mahindra

Rise.

MAHINDRA & MAHINDRA LTD.



NEWHOLLAND

NEW HOLLAND TRACTORS LTD.



ACTION CONSTRUCTION & EQUIPMENT LTD.



Company Data

Company Status:

Partnership

Established:

2001

Name of the Partners:

Mr. Rajan Mittal, Mr. Parmod Gupta

Area:

175000 Sq. Feet (70% Covered Area)

Total Number of Employees:

400 – 450 People

O/L Sources:

Raw Material
Round Bars / Square Bars

Tonnage Processing:

11000 Tons Per Annum

Turn-Over:

10 Million US\$

Activities:

Manufacturer & Exporters of
Drop Forged & Machined
Components for Automotives,
Tractors, Trailer Parts, Railways
& Industrial Fasteners etc.

Special Characteristic:

Self-Certified Vendor to all OEM
Registered

Capacity:

1.5Kgs to 25Kgs (By Weight)
Dia. upto 250mm & Length upto 400mm

Q.C Through:

Drawing Control System
Incoming Raw-Material Control System
Brought-Out Material Control System
Off-Loaded Process Control System
In-House Process Control System-through Quality
Plans & SPC
Preventive Maintenance
Stage-Wise Final Inspection Control
Rejection, Corrective & Preventive Analysis
Aiming At Set Quality Targets
Gauge Planning MSA & Calibration System

Raw Material Source:

Locally Source from Reputed & Professional Companies

Primary Competitive Advantage:

Experienced R & D Department
Good Financial Position
Large Production Line
Largest Production Capacity

Through Approved Sources:

Through Chemical Test (Wet Analysis)
Approved Chemical Analysis (Spectrophotometer)
Sources: Image Analyzing (Micro Structure)
Tensile & Impact Testing, NDT Testing,
Eddy Current Testing

Our Products:

Gear Blanks & Shafts
Flange Yokes, H Yokes
Long Fork, Flange Tube
Wheel Bearing Spindle
Bearing Housing
Pivot Pin
Steering Knuckle
Steering Arm
Lift Arms
Stub Axle Forging
Stub Axle Assembly
Crown Wheels
Spider Cross
Chain Link
JCB Tooth
Sledge Hammer
Drilling Hammer
Machinist Hammer
Cross Pein Hammer
Wood Wedge
Diamond Wedge
Splitting Maul
Tractor Front Axle Parts
Railway Parts
Earth moving Equipment Parts

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Kohara-Machhiwara Road,
Ludhiana-141112
India

Tel: +91 161 2848953

Fax: +91 161 2848874

Website: www.aint.in

RAJAN MITTAL

(Managing Director)

Mob: +91 98140 33840

Email: info@aint.in
exports@aint.in
rajanmittal@aint.in

RAKESH KUMAR

(Export Manager)

Mob: +91 99145 23355

+91 94639 49248

Email: rakesh@aint.in