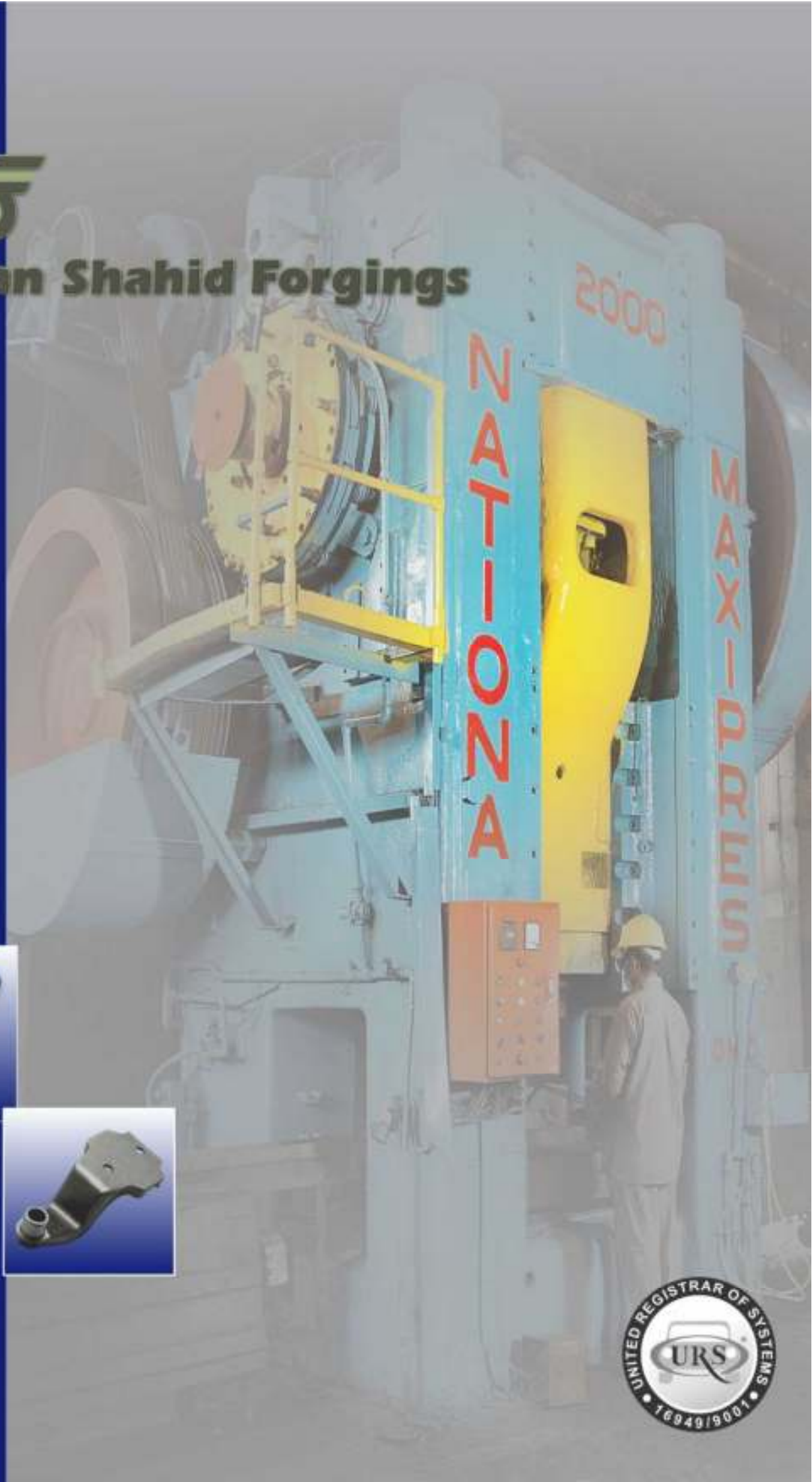


MS

Mannan Shahid Forgings





MMS

A Step Ahead in Innovation



**Components for advanced
precision technologies**

**We design,
develop,
forge,
heat treat and machine
quality components
incorporating CAD/CAM**

The beginning.....

In 1974, **Mannan Shahid** started out as a small forge shop, producing forgings for Railways and Gas Companies.

Growth in industrial activity in the late 70's witnessed a marked decrease in reliance on imported products. The company soon realized the immense potential for indigenously forged parts in the emerging automotive sector and so in 1984, pioneered the production of automotive forgings in Pakistan.



The largest forging house in Pakistan

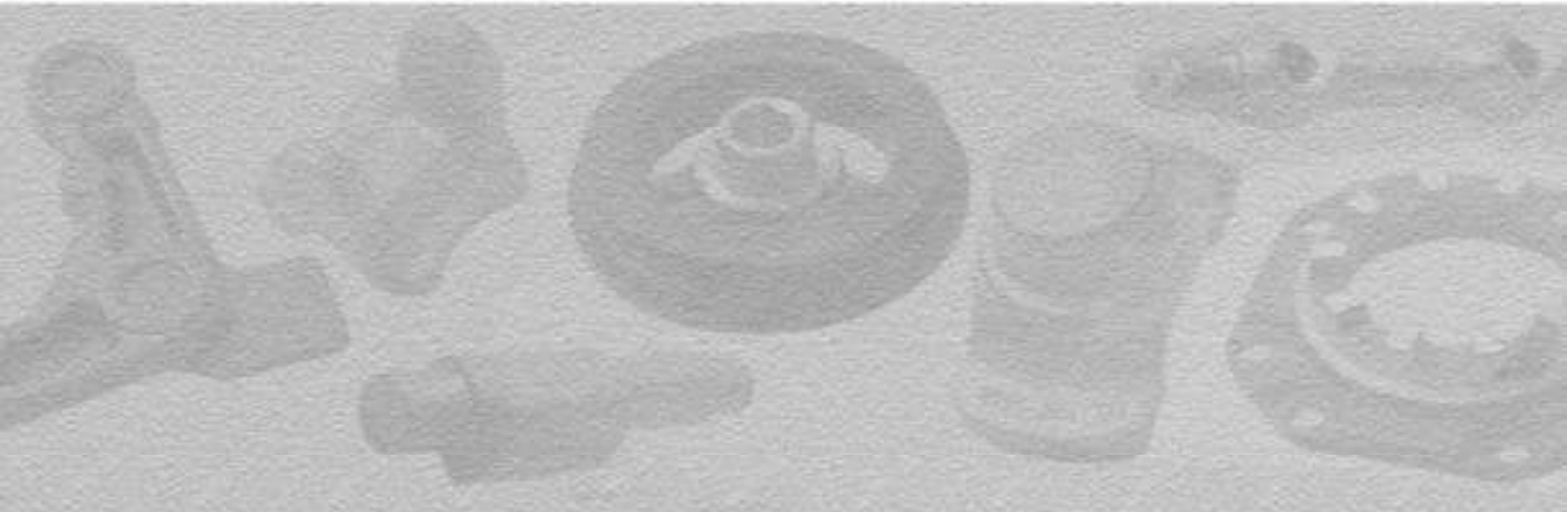
Gaining confidence and expertise on the back of growing domestic production, **Mannan Shahid** ventured into exports. Expertise in development and quick response time on RFQs earned us many valued customers. Consistent high quality standards helped build lasting relationships that have stood the test of time. Today, we take pride in being a major supplier of quality forgings to leading automotive companies and machining houses worldwide.

Our **customers' confidence and support** has lead us to become Pakistan's largest forging house, exporting over 50% of total output.



we develop and produce carbon / alloy steel components to customer's specifications.

We specialize in forged, heat-treated and machined components, and are presently manufacturing these for passenger cars and trucks, Agricultural Tractors, Motor Cycles, Fifth Wheels and Industrial Conveyor system.



Vision

To consistently provide quality, flexibility and on-time deliveries to our worthy customers.

Our customers are guaranteed a partner which adapts to become an integral part of their manufacturing program with uniform product standard in each component they receive.



A WINNING COMBINATION

The 4 T's of Mannan Shahid; Teamwork, Technology Up gradation, Total Quality Management and Trade Offer.

Strict adherence to customer's specifications during the development and production phases is a prerequisite to become competitive in global markets. Active involvement of all team members becomes essential in order to achieve this goal.

Highly developed teams from our marketing and development sections interact with our customers to provide attractive innovations without compromising quality.



Many of our valued export customers have been won through our lucrative trade offer:

- **RFQs are responded to within 72 hours.**
- **Development process is initiated immediately upon customer approval of quotation and receipt of purchase order.**
- **Mannan Shahid initially funds 70% of tooling cost at own risk.**
The customer pays 30% in advance and 70% when sample is approved.
- **Supplies in LCL or FCL are made according to the customer requirements.**

Our constant endeavour to invest in and strengthen our technological base and human resources enables us to guarantee **defect free products** at substantial cost benefits for our customers.

Each employee plays an important role in implementation of Total Quality Management and the company takes pride in providing attractive incentives to ensure mutual success.



Because of our winning combination, **the customer always wins.**

Level of customer satisfaction is our measure for quality.

Our quality policy is based on the principle of providing the best to our customers. we implement a quality management system which is ISO TS 16949:2009 Certified.



All performance critical features of a component are discussed threadbare with customers during the development stage. Extensive use of inspection gauges and fixtures, and frequent checks on **CNC COORDINATE MEASURING MACHINE** ensure accuracy of the tools being used during machining process. The exercise of implementing SPC minimizes rejections during forging operations.

Quality Policy

To aggressively develop, manufacture and market our product in domestic and export markets, achieving highest level of customer satisfaction through :

- Consistently meeting or exceeding customer standards.
- Time bound deliveries.
- Continuously improving process controls.
- Concentrating our resources on designing and building quality into our products and services.
- Developing and retaining motivated quality performers.
- Encouraging our suppliers to enhance input quality.
- Compliance of all legal and regulatory requirements.



ISO / TS 16949 : 2009

We maintain a philosophy of incremental improvement

We consciously and actively engage in conducting detailed analysis of our processes to enable value addition at every step. From selection of suppliers of raw material, to production of the final product and delivery thereof, our in-house quality management systems ensure that all customer requirements are fulfilled.

Our facility has been visited and approved by our customers from across the world. Their recognition of our capability and continuous support stimulates the interest of our teams to engage in top quality workmanship.



Our development strategy equips our customers to be competitive, worldwide

Mannan Shahid is fully equipped to provide a whole range of services which include:

- Developing components according to prints.
- Reverse engineering components as per samples.
- Redesigning existing components.

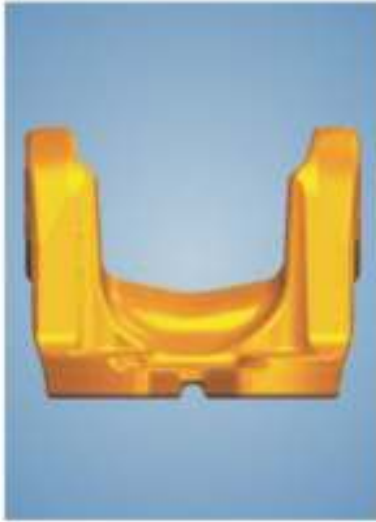
All these processes are carried out in close interaction with the customer to achieve the required objective.



Independent resources add to the value and quick response

The company deploys independent resources for developing new products as well as improving the existing processes.

A fully equipped design section accompanied by independent tooling production facility ensures uninterrupted development process and reduces lead times for providing quick service to customer.



Adoption of new technologies and know how continuously improves our design and development capabilities

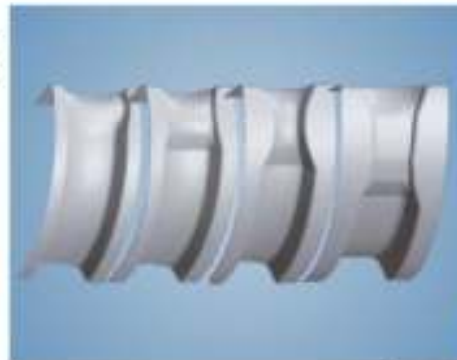
Our development team takes pride in accepting challenges to develop components of intricate nature. Their professional skills are enhanced constantly through training and seminars. We use most advanced software and high speed machining centers.

We design our production tooling on Pro-E, and simulate the forging process on Q-form software. This eliminates the need for actual testing of forging dies.

Pro-E is again used to convert the CAD files in CNC machine programs and hardened die blocks are machined on high speed machining centers.



Forging rolls for pre-forming are designed on vera-Cad developed by Eratz of Germany.



We aim to submit PPAP in the shortest possible period.

MANUFACTURING - OUR STRENGTH

Our customers capitalize on our manufacturing capabilities

Toughness and safety are the hallmark of forged components.

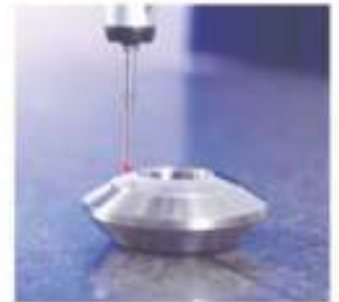
Our diverse manufacturing program enables us to forge, heat treat and machine products of reasonable complexity.



- A variety of forging press lines (**300 to 4000 MT**) provides flexibility to forge components of various weights and sizes.



- **Through** and **case** hardening in temperature controlled furnaces providing close hardness ranges and required metallographic structure.
- Induction hardening as per customers' prints.
- State of the art inspection and measuring equipments satisfy the stringent quality demands placed by the buyers.



- CNC turning and machining centres ensure the precision required to produce components in accordance with the technical specifications.



MS AT A GLANCE

Mannan Shahid is located in the historic city of Lahore, heart of Pakistan and capital of the Punjab, the rich and fertile province through which five rivers flow.

Lahore boasts of its cultural heritage and hospitality as well as its educational institutions.

Presence of the British during 19th century fostered development of industrial skills, passed on from generations. Today, the Punjab provides a significant percentage of the skilled work force.



WORKERS' WELFARE

Mannan Shahid makes a humble effort to contribute to welfare of worker' families and provides the following:

- Free education for workers' children.
- Basic medical facilities for workers, their parents, spouse and children.
- Free fresh meals for workers while on duty.
- Life and accident insurance.
- Child allowance.

The company also provides training and financial support to students pursuing technical education.



Flowing Metal for industry

Forging Press Lines

4000 Ton

2500 Ton

1300 Ton

700 Ton

300 Ton



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