
Marshall Machines transforming into a unique R&D and IP driven Company; Has filed for 29 Patents in India and USA.

Press Release
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Marshall Machines Limited, a differentiated machine tool manufacturer and a front-runner in areas of Affordable Automation and Industry 4.0 Technologies in the Indian Machine Tool Industry, has made a good progress on its business strategy to transform into a unique R&D and IP driven Company.

Research & Development, Product Innovation and Creation of Intellectual Property (IP) have become the cornerstones of Marshall's business model in the past few years. Although time-intensive in nature, this strategy has helped Marshall to differentiate itself from the conventional machine tool manufacturers.

Keeping in mind the emerging needs of Indian machine shops, especially in light of limited and interrupted supply of skilled labour in the COVID-19 era, the Company has been relying on its three-pronged product development philosophy - **Marshall Technology Trishool**.

The **Trishool** aims at offering:

- Super-optimized machines that offer better productivity
- Affordable automation generating higher ROI's and shorter payback periods
- Accessible and implementable new-age Industry 4.0 Technologies

Marshall has filed for several Patents in India and USA.

Patents			
	India	USA	Total
Approved	6	1	7
Filed (Approval Pending)	16	6	22
Total	22	7	29

Notes:

Many of the Filed Patents are in late stages of Approval

Data includes some Patents held / filed by promoters

Some major benefits of Marshall's IP portfolio are:

- Development of automated cells for zero defect production of Alloys Wheels for 2-Wheelers and 4-Wheelers
- Development of flexible cells for small batches of production of Gear Blanks and other such products
- Development of lowest footprint machines with very high outputs
- Development of Smart CNC systems
- Zero-defect offerings with unparalleled features

Commenting on this achievement, **Mr. Gaurav Sarup, Managing Director** stated:

- Marshall is extremely proud of its contributions towards furthering the standards of innovation in the Indian Machine Tool Industry. Our laser-sharp focus on product innovation has generated invaluable Intellectual Property (IP) over the years, which has accelerated in the last few years. Apart from stepping on our innovation drive, we have also intensified our efforts on IP protection and enforceability.
- **Marshall has registered a very valuable Patent in USA - System and a Method to Enable Zero Defect Production.**
- The Company will continue to work on the path of innovation and we are confident that this strategy will ensure greater success in the years to come.

About Marshall Machines Limited

Marshall Machines Limited, founded by Mr. Gautam Sarup in 1961, is a well-known brand in the Indian Machine Tool Industry.

Marshall started out with manufacturing of high-precision bench lathes, heavy-duty lathes, and capstan lathes. In the last two decades with the guidance of Mr. Gaurav Sarup and Mr. Prashant Sarup, the Company's single-minded focus on research and development, product innovation, automation, and Industry 4.0 Technologies has positioned it as a highly specialised player in the industry.

Marshall is currently a front-runner in the space of automated, Industry 4.0 enabled and smart IoT enabled CNC solution offerings to India's leading manufacturing companies. These companies belong to a wide range of industries including Auto, Auto Ancillaries, Consumer Appliances & Durables, Engineering, etc.

Emerging sectors include Aerospace, Electronics, Medical Equipment, etc.

Marshall Machines Limited is listed on NSE.

Investor Presentation is available on Company Website and NSE Website.

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