

Industry Outlook

DEFENCE EQUIPMENT MANUFACTURERS

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IS PROUD TO PRESENT

VIJAY ENGINEERS

AS ONE OF THE

TOP 10

**DEFENCE EQUIPMENT
MANUFACTURERS**

2024

*in acknowledgement of its unwavering focus and dedication
to achieve excellence in quality and delivery in this field.*

Sudhakar Singh

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Managing Editor
Industry Outlook

VIJAY ENGINEERS

ELEVATING QUALITY OF DEFENCE EQUIPMENTS WITH PRECISION & PATIENCE



Vijay Shah
Founder, Director & CEO

Over the past five years, the Indian defense industry has witnessed remarkable transformations, propelled by stable governance and favorable policies encouraging industrial growth and exports. Policies promoting indigenization and facilitating technology transfers have enabled the government to reduce its dependence on foreign suppliers and enhance local production capabilities. Despite the favorable policy environment, India has faced technological gaps that have hindered the development of advanced defense equipment. While technology transfer agreements have mitigated some of these challenges, continuous innovation and improvement remain imperative. Addressing these obstacles head-on is Vijay Engineers, who is investing heavily in indigenization research and development to thrive in the sector.

Vijay Engineers is a manufacturer and supplier of high-quality defense equipment. It focuses on creating innovative designs that match and often surpass foreign technologies in performance and reliability, making the manufacturer capable of competing globally. "Working within the defense industry demands extraordinary patience, as products require meticulous inspection at each stage—from raw material selection

to prototyping creation and sample testing," says Vijay Shah, Founder, Director & CEO at Vijay Engineers.

The offerings are crafted from premium materials and incorporate advanced technology to ensure efficiency, durability, and low power consumption. In addition, the manufacturer excels in Special Purpose Machines (SPM) for filling explosives and special grades of ferrous and non-ferrous products that sustain the product in seawater, all designed to meet the stringent demands of the defense industry. Its expertise extends to the manufacture of Filling & Sealing machines for cartridges and explosive packaging, Polishing equipment, and Flameproof electrical equipment, all adhering to national and international standards.

It has manufactured a Signal Flare Launcher Basket for the Kalvari Class Submarine, a Long Life Balloon for the CET 65E Torpedo, and a Bollard Test 71ME Torpedo, designed to meet the stringent operational requirements of the Indian Navy. In addition, Vijay Engineers has created the Water Tube (Horizontal) Tester for the Signal Flare Launcher, which has been tested and supplied to DRDO's High Energy Materials Research Laboratory (HEMRL). Further extending its expertise in defense manufacturing, it has indigenized the Loading Tray and Foot Valve (Brake) for the Dhanush and Bofors guns, ensuring the reliability and precision of these critical artillery systems.

The company recognizes that a robust design foundation and clear conceptualization are essential for success. Every aspect must meet rigorous standards, from the selection of raw materials to the final testing parameters. The emphasis on thorough testing, including extreme environmental trials, ensures that the

company's products perform reliably under the most demanding conditions.

The company has transitioned from a general category supplier to an established vendor for India's defense forces by participating in open tenders and successfully supplying products that meet the highest standards. The company has obtained the prestigious System for Advance Manufacturing Assessment and Rating (SAMAR) certificate from the Quality Council of India, and the NATO Codification



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System uses the NATO Commercial and Governmental Entity (NCAGE), which qualifies it to export to NATO countries. Beyond product manufacturing, Vijay Engineers is an executive committee member for the quality council at SIDM (Society for Indian Defense Manufacturers), New Delhi.

Vijay Engineers aims to continue its indigenization efforts, further reducing import dependency and enhancing national self-reliance. By developing new products and improving existing ones, it is committed to meeting the evolving needs of defense clients. The company's participation in upcoming defense exhibitions, such as the one for the Indian Air Force, reflects its proactive approach to business development and its readiness to seize new opportunities.