



CUSTOM CENTRIFUGAL FANS & BLOWERS

Engineered for Every Application

The custom-engineering fan and blower partner for India's modern industrial manufacturers — every fan sized to its duty point, materials chosen for its temperature and dust load, and the design validated on our own 200 HP test rig.

17,500+

Fans commissioned, with proven performance

500+

Customers served

14+ years

Of fan engineering, since 2011

CE · ATEX

Zone 2/22 certified · ISO 9001:2015

Who We Are

Jitamitra Electro Engineering designs and manufactures custom centrifugal fans and blowers from its plant at MIDC Ahilyanagar, Maharashtra. Founded in 2011 and part of the Zen Group of Industries (est. 1993), we have commissioned 17,500+ fans for 500+ customers. Every fan is engineered for its specific duty point using our proprietary CENTRIX design suite and validated on a 200 HP VFD test rig per IS 4894 and AMCA 210. We quote in three working days — always.

Capability Envelope

Volume flow rate	up to 2,00,000 CMH
Static pressure	up to 2,000 mmWC
Motor power	up to 400 HP
Operating temperature	up to 600 °C
Impeller diameter	up to 3,000 mm
Speed range	300 – 3,000 RPM

Materials: MS · SS 304/310/316 · Aluminium · ASTM A36 · SA 516 Gr.70 · Domex 700 · Duplex 2205 · FRP-coated · GI-clad. Balancing to ISO 21940 (G2.5 / G6.3). NDT: DP, MPI, UT, RT. For real duty points we run CENTRIX.

Standards & Certifications

ISO 9001:2015

CE (self-declared)

ATEX Zone 2/22

IS 4894

BS 848

ISO 5801

AMCA 210 / 300

API 560 / 673

ISO 21940

ASME Sec. IX

NSIC registered · Udyam (Small Enterprise) · MSME tender access. ISO 14001 + 45001 certification programme underway, targeted for completion March 2027.

Trusted Across Industry

Active installed base across 30+ segments — strongest in dust collection & industrial ventilation, automotive, steel, power generation, pharmaceuticals & pharma machinery, air pollution control (OEM), paint shops & surface coating, food processing, cement, foundry & heat-treatment, and project exports.

Product Range

Boiler & power

ID, FD, SA and PA fans; the complete boiler fan train for process and captive power.

Cement

Raw-mill and cement-mill vent, kiln / preheater exhaust, cooler vent, bag-filter — abrasion-resistant.

Process & pollution control

High-pressure and multistage blowers; bag-house, scrubber and ESP induced-draft; dust extraction; pneumatic conveying.

Specialised duty

Hot-gas / refractory-lined fans to 600 °C; ATEX Zone 2/22 explosion-proof; industrial ventilation; marine & defence.

Engineering & Manufacturing

Two manufacturing units totalling 32,600+ sq. ft. at MIDC Ahilyanagar. Every fan is sized in our proprietary CENTRIX suite — full performance data, BHP, efficiency and critical-speed checks — then validated in-house before dispatch.

In-house test rig	200 HP VFD · IS 4894 / AMCA 210
Laser cutting	IPG 4 kW fiber · 20 mm MS / 12 mm SS
Dynamic balancing	ABRO H-30-EL · to 1,500 kg / 1,500 mm
Material handling	9 EOT cranes (5×5 T + 4×3 T)
Paint booth	6 × 6 × 6 m
Welding	10 welders, 5 ASME Sec. IX-qualified

In-house and approved-vendor NDT — DP, MPI, UT, RT — with a maintained WPS library across carbon and stainless steels.

How every fan is built

Our engineering office runs CENTRIX, our proprietary fan-selection and mechanical-design suite. Every fan is sized for its duty point, materials chosen for its operating temperature and dust load, drive arrangement selected for its layout, and the design validated on our 200 HP VFD test rig per IS 4894 and AMCA 210. An independent Technical Services Department supports site commissioning, performance verification, and aftermarket service.

Track Record

Representative duty points from the documented job library — matched per opportunity to the buyer's fan family, sector and performance band.

Pharma machinery, ATEX solvent extraction — 12,000 CMH · 1,700 mmWC · 150 HP. Standardised across four plants of a leading OEM; 557 repeat jobs, zero field complaints.

Air pollution control, negative-pressure bag-house — 44,600 CMH · -475 mmWC · 120 HP. 164 repeat jobs, zero complaints.

Automotive paint shop, booth exhaust — single fan at 1,85,000 CMH · 150 HP.

Edible oil / solvent extraction — 69,700 CMH · 270 HP. Largest single fan in its cohort.

Audited at our plant, in the last three years, by multinational OEMs and end-users in air pollution control & filtration, power & boilers, material handling, glass, and process equipment. Named references available on request, with the customer's permission.

Why Jitamitra as a Single Source

Capacity headroom — room to absorb an additional tier-1 customer without sub-contracting; second shift available for demand spikes.

Skill & machine redundancy — 10 welders (5 ASME Sec. IX-qualified, 1.5:1 backup); documented backup pairs across cutting, bending, welding and balancing.

Material continuity — minimum two approved vendors per critical raw-material category, with buffer stock for tier-1 contracts.

Governance — defined director-succession authority and a documented Business Continuity Plan with an annual drill.

Financially stable and steadily growing — consistent year-on-year growth, a clean audited balance sheet, comprehensive insurance cover.

Quality system — ISO 9001:2015 QMS; 99% on-time delivery; 100% complaint resolution. Audited, not asserted.

