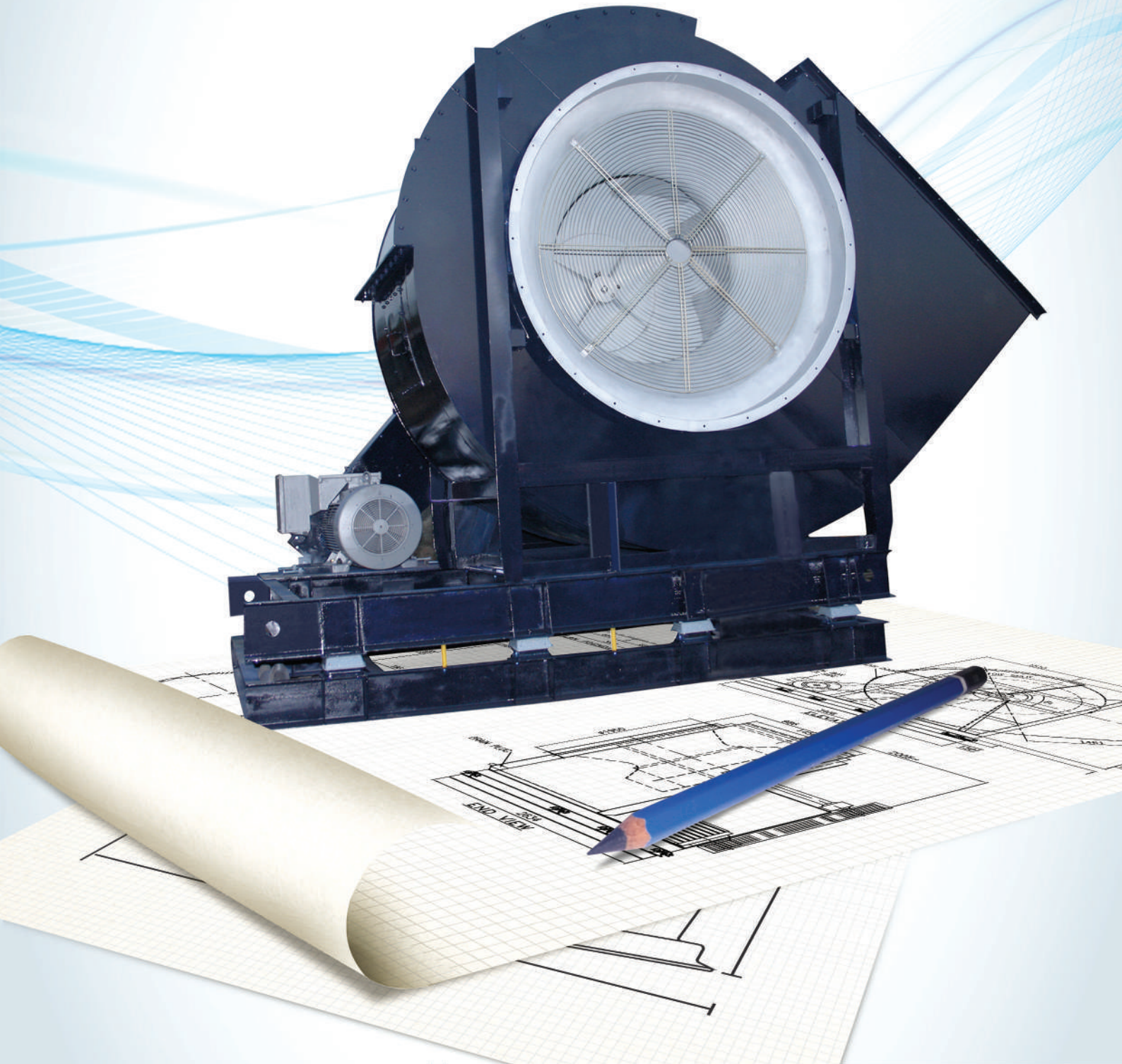


INDUSTRIAL FANS



ENGINEERED FOR EXCELLENCE

Our History

OUR FOUNDERS



Mr. B. R. Kamdar



Mrs. P. B. Kamdar

In October 1955 our Founders Mrs. and Mr. B.R.Kamdar, first generation entrepreneurs, established a trading company to supply high quality agricultural pump sets / diesel generators to the local industry as well as the farmers. The firm was fittingly named “National Agricultural and Diesel Industries”.

The first factory of the company was inaugurated at Arakkonam in 1966 by the then Minister of Industries Shri R.Venkataraman (Former President of India). The first batch of Centrifugal Fans was produced in 1973 as part of diversification plan. The transformation in the product line inspired a change in the name of the company to “NADI Airtechnics Pvt. Ltd”.

Over the years, even though our products and our name have changed, the company continues to be owned and managed by the second generation of the Kamdar family. More importantly the basic philosophy of the Company remains the same and that is :-

“To offer reasonably priced, high quality products of contemporary design backed by efficient service support”

MESSAGE FROM MANAGING DIRECTOR



Mr. J. B. Kamdar

Based in Chennai, India, NADI is one of the pioneers and a leading manufacturer of Industrial fans. We are one amongst the few companies in India, certified and approved for supplying fans to the global markets.

Our desire to meet the changing demands and exacting standards of our customers, inspired a strategic move to enter into alliances with global leaders in the fan industry. Today we are a 100% Indian Company and believe we can offer industrial fans of the same quality and performance as any global company because, we have the expertise and the resources to do it.

With the experience of more than four decades, we have acquired the skills for the design, development, FEA, prototyping and validation of new products that are put through gruelling fatigue tests and, we are able to do so with a speed that few companies in the world can match.

NADI..... Today

Over the years NADI has continued to invest in the development of human resources and modern machines to establish a manufacturing process that guarantees consistent quality and high productivity.

With a phenomenal growth, the Company has left its footprint firmly in the Indian industry and niche global markets, supplying fans to :

- Automotive Paint Shop
- Nuclear, Thermal & Hydro Power Stations
- Railway Industry
- Process and Pollution Control
- HVAC & Marine Ventilation

The current manufacturing facility of NADI, located on the out skirts of Chennai City, was inaugurated in October 2015 and has a covered area of more than 10,000 sq.mtrs. It is perhaps the only fan production unit in India

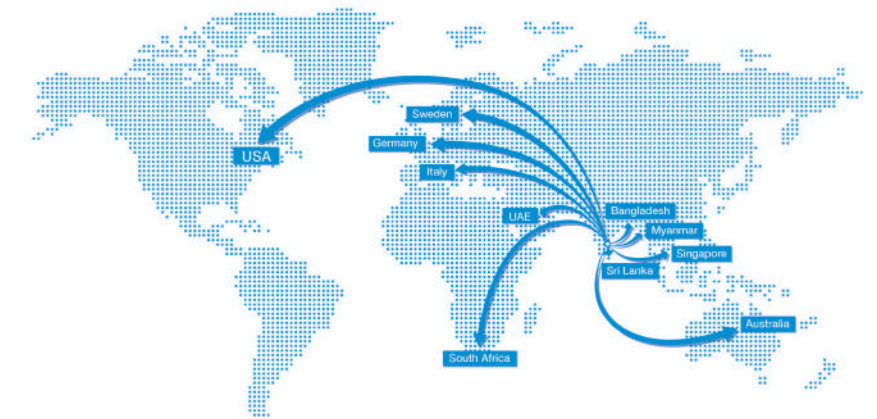
with so many state of the art machines under one roof. This combination of sophisticated high precision machines (handled by tech-savvy engineers) and conventional machines that utilise the long experience of our skilled employees has created a good synergy between man and machine, resulting in timely delivery and consistent quality. The entire process is supported by meticulous design, development, prototyping and

validation system which precedes the final manufacturing.

With these features NADI is proud to have quality certifications from :

- ISO 9001-2015
- ISO 14001-2015
- ISO 45001-2018
- EN 15085-2
- EN ISO 3834

Our Global Footprint



Major Clients



Heavy Duty Centrifugal Blowers

NADI offers a wide range of centrifugal fans in varying capacities with mechanical design options to cover a large spectrum of applications. Fans can be fabricated from a choice of materials viz., mild steel, high tensile steel, stainless steel (Duplex) aircraft grade aluminium, rubber lined / FRP lined & spark - proof constructions



MEDIUM PRESSURE BLOWERS

Medium pressure - heavy duty blowers for air pollution control, fume extraction, dust collection and industrial application viz. ID fans FD fans for boilers /Incinerators /Paint shop.
Maximum Airflow : 5,00,000 m³/h
Maximum Pressure : 700mmwg
Size : Upto 2m dia



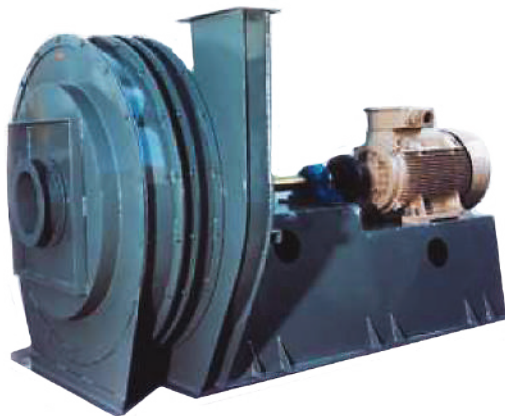
LOW PRESSURE - NON - OVERLOADING

Maximum Airflow : 5,00,000 m³/h
Maximum Pressure : 350mmwg
Size : Upto 2.2m dia



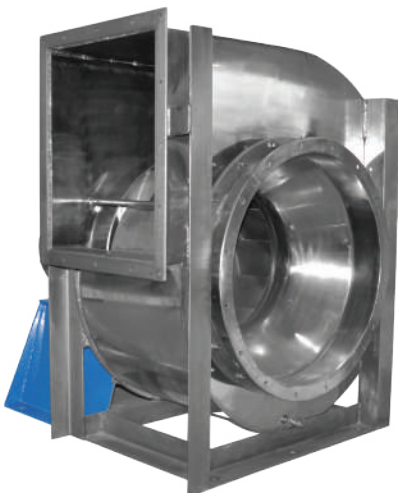
HIGH PRESSURE BLOWERS

Maximum Pressure : 2,000 mmwg
Size : Upto 1.8 m dia



HIGH PRESSURE - MULTI STAGE BLOWERS

Maximum Pressure : 4,500 mmwg
Size : Upto 1.2 m dia



SPECIAL STAINLESS STEEL BLOWERS WITH MIRROR FINISH

Maximum Airflow : 4,50,000 m³/h
Maximum Pressure : 500 mmwg
Size : Upto 2.5 m dia



EASY MAINTENANCE BACKWARD CURVED SWING OUT BLOWERS

Maximum Airflow : 4,50,000 m³/h
Maximum Pressure : 500 mmwg
Size : Upto 2.5 m dia

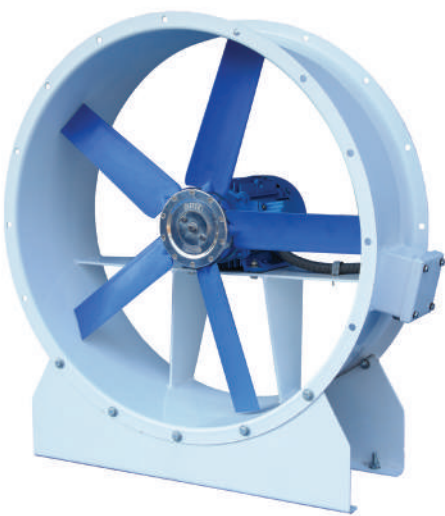
Axial Fans With Adjustable Pitch

NADI's axial fans are specially designed to meet the exact demands of commercial and industrial ventilation in hot, humid, dusty and corrosive environments. Fans are offered in a wide variety of mechanical designs for every application.

The heart of these fans is the unique axial impeller with variable pitch blades. There is also an option to change the numbers of blades as well as the Hub - Tip ratio, to ensure optimum design for given air-flow requirements.

Impellers upto 4 m diameter are offered to the discerning customer.

A special feature is that the mild steel casing of the fan is provided with flanged ends formed from the parent material using a CNC flanging machine. This ensures additional strength and eliminates the thermal stresses induced by the traditional welding process.



DIRECT / BELT DRIVEN VARIABLE PITCH WITH GRP/ALUMINIUM BLADES

GRP blades (upto 2 Meters Dia) Aluminium blades (upto 4 Meters Dia)



SMOKE VENT WITH VARIABLE PITCH ALUMINIUM BLADES

Heavy duty Axial fan with special smoke duty motors rated for 350 °C for 1 hour or 250 °C for 2 hours

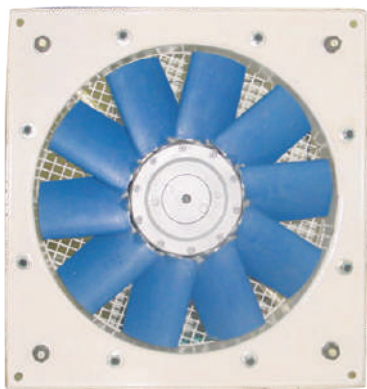


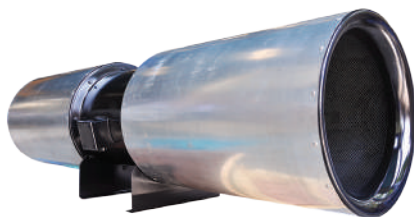
PLATE MOUNTED AXIAL FAN

Nadi's Plate Mounted axial fans are specially designed, engineered and robustly constructed to withstand the most difficult conditions and environments.



ELECTRIC POWERED ROOF EXHAUSTERS WITH METAL SPUN VENTURY

Bell mouth axial housing with base suitable for mounting on the roof curb, driven by electrical motor. Size 500 mm to 1250 mm



JET FANS

Size: 315, 355 & 400 mm dia Smoke extraction in case of fire (300 °C / 120 mins)

World Class Fans for the Rail Industry



TRACTION MOTOR BLOWER

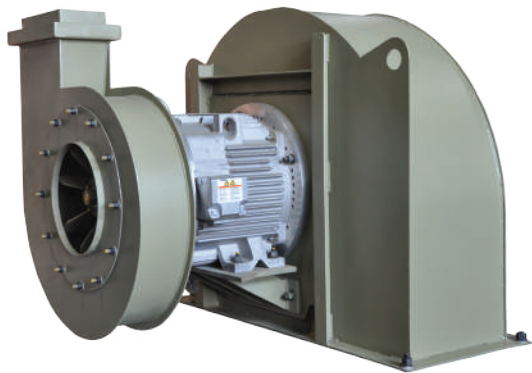
BLOWERS AND FANS FOR LOCOMOTIVES

Since 2002, NADI has used its wealth of experience to develop a wide range of exceptionally rugged axial and radial fans for diesel / electric locomotives. These fans operating in India and the other parts of the world have demonstrated outstanding reliability and durability for over 10 years. This has been possible because the fans were designed, manufactured and validated in our State of the Art manufacturing facility to operate in the harshest environment.

Our facility has been qualified with the following certifications:

- Association of American Railroads - Quality Assurance Program Certification (AAR)
 - EN 15085 Weld-shop certification
- and other related certifications

Fans are specially designed to meet specific requirement of individual customers.



ALTERNATOR BLOWER WITH EXHAUSTER



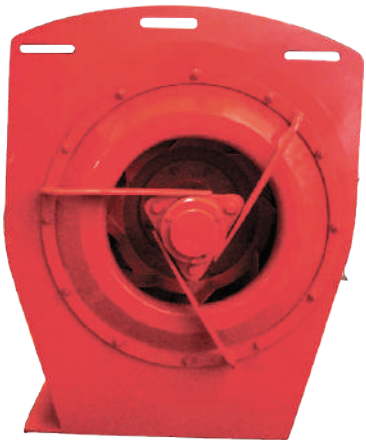
CENTRIFUGAL EXHAUST BLOWER



EXHAUST DIFFUSER

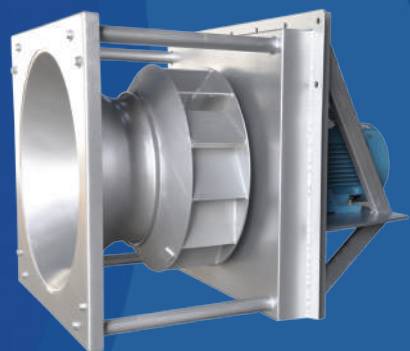
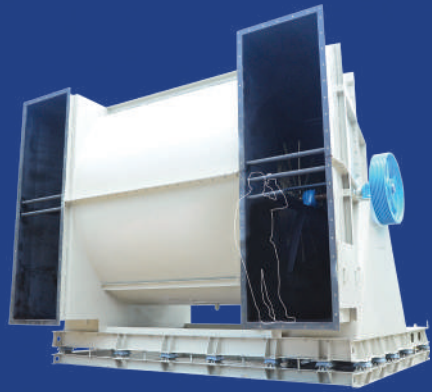


AXIAL FAN WITH FIXED
BLADE IMPELLER



RTTM BLOWER

Special Fans & Design Capability



At NADI, we combine modern technology with an indepth understanding of our customer's needs to provide fans for special applications.

The ingenuity of our engineers is seen in the successful commissioning of customized fans in various Industrial sectors like the Automotive, Cement, Steel, Power and Process Industries including Boilers & Marine applications.

DOUBLE INLET DOUBLE WIDTH BLOWERS WITH INLET BOX

Large heavy duty ventilation blowers for process and commercial applications.

SINGLE INLET SINGLE WIDTH BLOWERS WITH DISC BRAKES

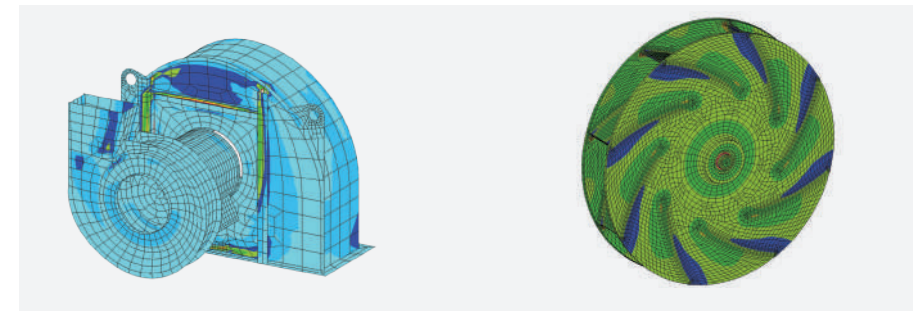
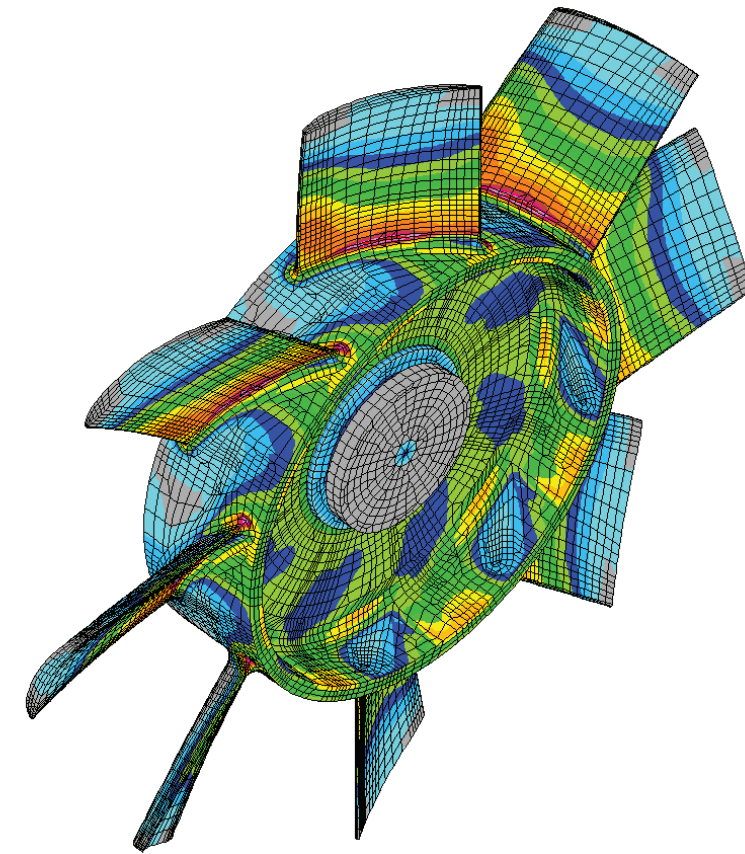
Single inlet heavy duty-medium pressure ID fan with pneumatic brakes & anti rotation device for automotive paint shop application. These safety features allows the fan to be stopped quickly in an emergency and also prevents the back draft of air in the duct.

LOW NOISE ACOUSTICALLY INSULATED SISW CENTRIFUGAL BLOWERS

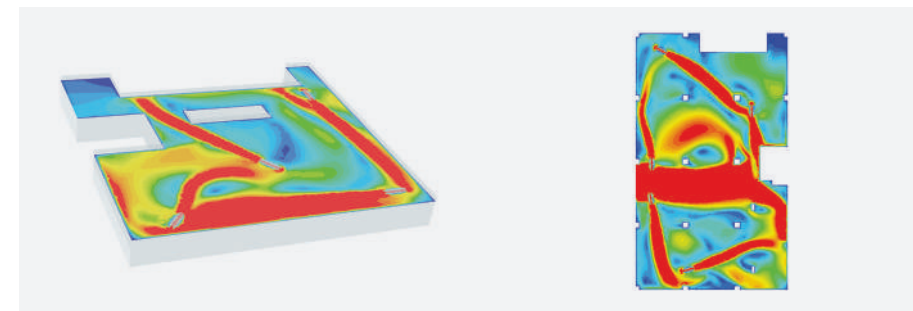
The acoustic lining ensures that they are suitable for use where low noise levels are required such as ventilation systems, air conditioning systems and HVAC systems.

PLUG FANS FOR FURANCE

Plug fans for hot air circulation in Furnaces / Ovens, Dryers - These are available in MS & SS Construction. They are designed to withstand Thermal / Mechanical stress under continuous high temperature operating conditions. Direct driven plug fan operate up to 300 °C



FEA Analysis



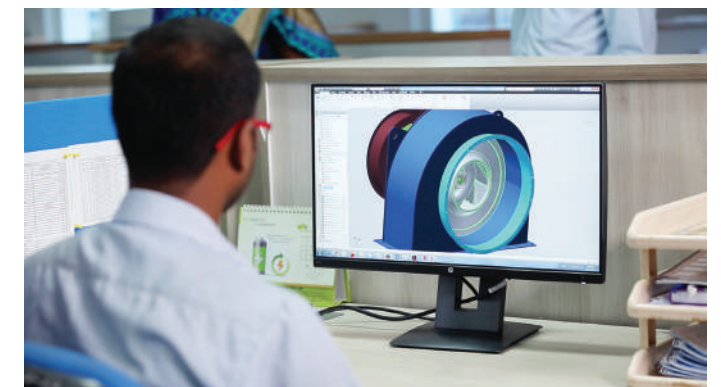
CFD Analysis

The facility for 3D modelling & finite element analysis (FEA) guarantees the smooth transition of an engineered product from the design phase to production and ultimately its commissioning.

The products are validated by conducting

- Fatigue Tests
- Endurance Tests
- Over Speed Tests

We work on a software for fan selection and design which has been developed by our engineers.



Manufacturing Facility

A special feature of our one lakh plus square foot, state of the art manufacturing facility is the in-built flexibility to cope with the urgent and varied needs of our customer.

With an on going modernization programme, we have upgraded our manufacturing facility, carefully investing in product specific machines (both imported and indigenous) to achieve the required level of production with consistency in quality.



HIGH DEFINITION CNC CUTTING MACHINE

Due to the meticulous attention we have paid to the selection of testing equipment and setting up of the testing facilities, we are able to ensure that our fans confirm to the rated specification in accordance with the relevant IS, BS and/or AMCA testing procedures.

A variety of sophisticated and sensitive portable instruments/equipment help us to provide reliable on-site measurements of specific performance parameters.



SOUND SPECTRUM ANALYSER



CNC FLANGING MACHINE



CNC SPINNING MACHINE



CNC LATHE



BALANCING MACHINE



PORTABLE BALANCING MACHINE



PERFORMANCE TESTING

SALIENT FEATURES OF OUR TESTING FACILITY:

- Full load testing up to 300 KW
- Portable vibration analysis and balancing machines
- Sensitive electrical load managers for accurate measurement of electrical parameters
- Portable digital manometer
- Portable inclined Manometer with pilot tube
- Hot wire Anemometer
- Vibration meter capable of vibration analysis
- Sound Level meter capable of sound spectrum analysis
- Non contact tacho meter
- Non contact infra red thermometer with laser pointer



FIBER LASER CUTTING SYSTEM

Certifications & Standards

WELDING SHOP



WELDING SHOP



PAINT SHOP



PAINT SHOP

ASSEMBLY SHOP



ISO Certification
9001 : 2015



ISO Certification
14001 : 2015



ISO Certification
45001 : 2018



EN 15085-2 for
Welding Process



EN ISO 3834-2
Welding Shop



AAR Certification

TESTING STANDARDS

Our plant is capable of testing fans as per the below standards;

Air performance testing	IS 4894 - 1987
	IS 3588 - 1987
	BS 848
	AMCA 210
Balancing	ISO 1940 Q 2.5 & Q 6.3
Vibration	ISO 14694:2003 (E)

Kindly contact us for any special testing requirements not listed above.

Corporate Social Responsibility (CSR)

At NADI, we are aware of the need to work beyond financial considerations and put in that little extra to ensure that we are not a corporate that exists for profits, but a wholesome entity created for the good of the society and for improving the quality of life of the communities we serve.

In partnership with The Pushpavathi Babulal Kamdar Charitable Trust, NADI has brought in a sea change in the lives of more than 1,25,000 of the economically and socially deprived section of the Madhavaram Community by taking an active part in NADI Medical Centre, which provides high quality health care at an affordable cost

The Medical Centre houses the following facilities:

- Computerised digital X Ray
- Analytical laboratory
- Eye Division (Primary care)
- Ultra sound scanner, echo & Doppler
- ECG, PFT
- Physiotherapy
- Pharmacy
- First aid
- Health check up



Digital X-ray



Ultra Sound Scan with
Doppler study

Periodical, free medical camps are also conducted.

NADI also has constructed toilets, free of cost, for the economically weaker community around Ponneri, Chennai.

And the story continues.....



NADI[®] Airtechnics Pvt. Ltd.

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