

WITT INDIA

World Class Axial, Radial and Jet Fans



Joint venture with WITT & SOHN AG

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COMPANY PROFILE



- **Joint Venture with WITT & SOHN AG**
- **Latest technology**
- **Axial, Centrifugal & Jet Fans**
- **Trained at Germany**
- **Manufacturing in Hyderabad**

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WHY FANS FROM WITT INDIA...!

- **MANUFACTURING**
- **PRICE ADVANTAGE**
- **CERTIFICATES**
- **SERVICE SUPPORT**



WHY FANS FROM WITT INDIA...!

MANUFACTURING

- **Latest state of art machinery**
- **CNC machines to achieve precise tolerances and minimize throughput time**
- **Products with reliability and quality**
- **Trained, Certified and experienced work-force**
- **Completely indigenous**

PRICE ADVANTAGE

- **30% reduced costs compared to imported Fans with same standards**
- **Most efficient Fans reducing capital and operational cost of customers**
- **Spares available quickly at a very low cost (50% less compared to Foreign goods)**

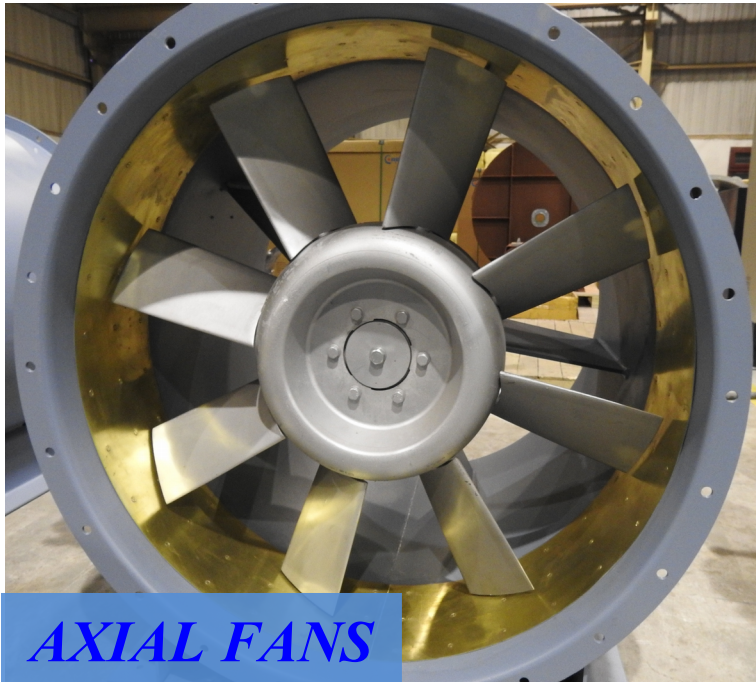
CERTIFICATES

- Manufacturing process in Witt India is certified according to **ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007**
- Axial & Jet Fans manufactured at our factory are certified by **MPA Braunschweig & TÜV SÜD for powered smoke & heat exhaust applications according to EN 12101-3:2015** standard
- Witt India is proud to be certified by **TÜV NORD for DIN EN ISO 3834-2 welding process**, which very few companies in India possess
- Our Fans are tested & certified as per **MIL-STD-1474(D) & MIL-STD-7402(SH)**

SERVICE SUPPORT

- **Trained & experienced engineers**
- **Available with in 48 hours**
- **Latest equipment for site testings**
- **We undertake AMC also**

PRODUCTS



AXIAL FANS



BANANA JET FANS



RADIAL FANS



AXIAL FANS

- Standard selection program
- Aerodynamic impellers with airfoil variable pitch blades
- Tested & certified to with-stand high temperatures
- Achieves reversibility up to 100%

Inlet Size	:	250 to 2800 mm
Casing Thickness	:	1.5 to 16 mm
Impeller Types	:	N,M,X,Y adjustable pitch
Motor Frame Size	:	63 to 400
Position	:	A, AU, AD, B, BD, BU (Euro vent)
Surface Treatment	:	Painted, Hot dip Galvanized
Special Design	:	Flame proof, High temperature, Shock proof & Reversible



RADIAL FANS

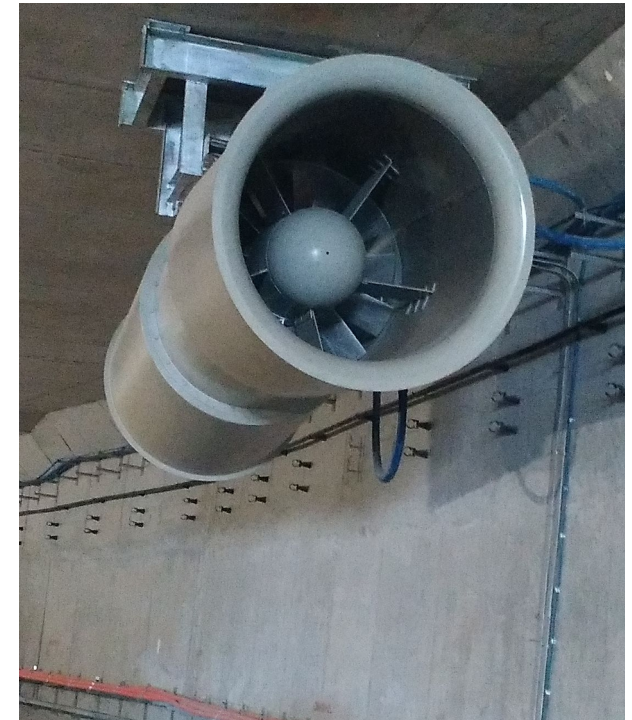
- Selections with most combinations of Flow & Pressure
- Minimum 6 types per casing including dust impellers
- Tested & certified to with-stand high temperatures

Inlet Size	:	63 to 2500 mm
Casing Thickness	:	1.5 to 20 mm
Casing Types	:	LRZ, PRZ, MRZ HRZ & SRZ
Motor Frame Size	:	63 to 400
Outlet Position	:	According to Euro vent
Surface Treatment	:	Painted, Hot dip Galvanized
Special Design	:	Flame proof, High temperature, Shock proof, Earth quake safe & Gas Tight

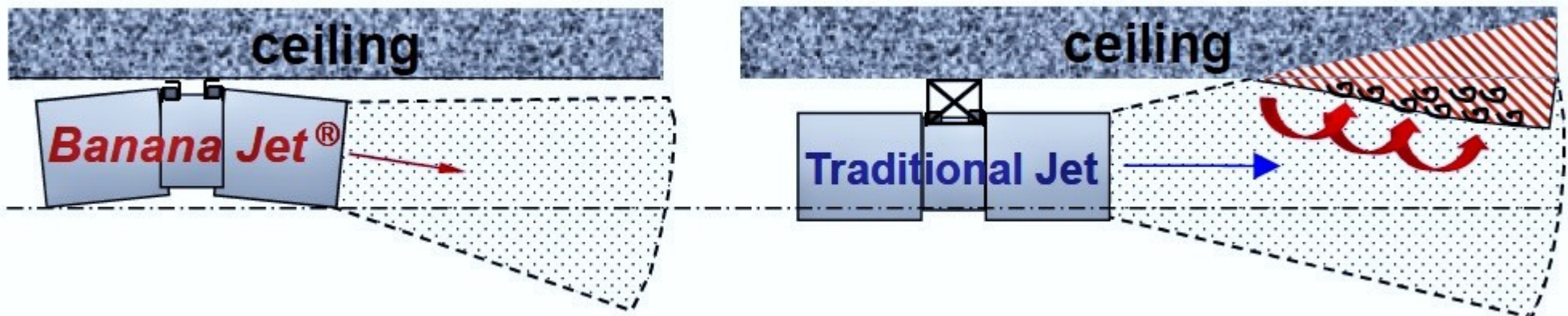


BANANA JET

- It distributes the flow more uniformly by focusing the impulse towards the middle of the tunnel.
- Reduces the losses by 25 to 35% in critical friction areas.
- Reduced investment costs by reduced number of fans.
- Reduced 25 to 40% installation and cabling costs.
- *Generates 20-50% more effective thrust than a regular jet fan of the same size.*
- *Achieves reversibility up to 100%.*



More efficiency means more savings!



KEY MARKETS

- **CAR PARKING VENTILATION**
- **TUNNEL & METRO VENTILATION**
- **INDUSTRIAL APPLICATIONS**
- **MARINE & NAVY**
- **MINING SECTOR**

CAR PARK VENTILATION

- Standard models are 315, 350 & 400dia with 0.25/1.1Kw.
- Witt India Fans deliver high thrust (up to 100N*) according to ISO 13350.
- Efficient with Low Noise, easy during installation, Operation & Maintenance.
- Power savings (Up to 80% compared to traditional system).
- Efficient handling Turnkey projects (BOQ, CFD analysis, Design, Manufacturing, Supply, Erection, Commissioning, AMC).

*** Much Higher thrust can be achieved based on customers requirements.**



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TUNNEL & METRO VENTILATION

- Witt & Sohn AG supplied to more than 1100 Tunnels & 100 Metros
- Witt India is leading manufacturers of Tunnel Ventilation Fans
- Various designs & patent product BANANA JET FANS
- Commissioned Ventilation Fans in all the Major Metros in India
- Specially developed Impellers can operate at very high tip speeds and very high temperatures.



INDUSTRIAL APPLICATIONS

- High temperature Fans for Steam extraction
- Wide range of Fans for Cement Sector
- Standard designs for process industry
- Special MOC Fans for Food processing & Chemical plants
- High velocity Fans for Vehicle cooling in Automobile industry
- Special Impellers to with stand ware & tear due to dust and abrasive materials
- Most efficient Fans in the industry



MARINE & NAVY

- Witt & Sohn AG is established as specialist supplier of Fans in ship building industry
- Supplied to more than 20,000 ships over 60 countries in past 70 years
- Fans manufactured at Witt India are tested & certified according to **MIL-STD-1474(D) & MIL-STD-7402(SH)**
- Proud to have supply Fans to Project 28 Kamorta Class ASW Corvettes and INS Vikramaditya aircraft carrier
- Reliable, low maintenance, long life, corrosion resistance, heavy duty construction



MINING SECTOR

- Fans provide airflow in sufficient quantity and quality to dilute contaminants to safe concentrations and maintain safe working conditions
- Heavy duty Fans to withstand explosions
- Efficient with Low Noise, easy installation





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MANUFACTURING FACILITIES



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MANUFACTURING FACILITIES



CNC Plasma Cutting Machine

Thickness: Upto 30 mm

Max. Width: 5000mm

Max. Length: 7000 mm

CNC Laser Cutting Machine

Thickness: Upto 10 mm

Max. Width: 3000 mm

Max. Length: 3000 mm



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MANUFACTURING FACILITIES



Fully-automatic Spinning Machine

Thickness: 3 to 16mm

Max. Diameter: 4500mm

Max. Length: 600mm

Dynamic Balancing Machine

Max. Weight: 500 kgs

Max. Diameter: 100 mm

Max. Length: 2500 mm



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MANUFACTURING FACILITIES



Seam Welding Machine

Thickness: 3 to 16mm

Max. Diameter: 4500mm

Max. Length: 600mm

Hydraulic Press Machine

Max. Lift: 500 mm

Max. Capacity: 100 tons



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MANUFACTURING FACILITIES



Hydraulic Press Break

Thickness: Up to 12mm

Max. Length: 3000mm

Hydraulic Shearing Machine

Thickness: Up to 10mm

Max. Length: 4000mm



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TESTING FACILITIES



THRUST TEST RIG as per ISO 13350

Witt India Pvt. Ltd. has its own testing facility for all Fans

- ✓ Jet Fans as per **ISO 13350**.
- ✓ Axial Fans as per **ISO 5801**.
- ✓ Centrifugal Fans as per **ISO 5801**.

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Thank You

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