



**SPICON** is a Hyderabad based company partnership with **WITT INDIA PVT. LTD.**, involved in manufacturing, supply & service of complete range of Axial Flow Fans, Centrifugal Fans and Jet Fans, serving various industries in India and neighbouring countries.

## AXIAL FLOW FANS

Our Axial Flow Fan range is distinguished by a large number of different standard designs. The different impeller hub-diameter ratios enable us to satisfy a very large range of volume flow rate/pressure combinations for most types of installations. In addition to the shown standard Fans, we also manufacture a large number of special designs, ex. Explosion Proof (with FLP motors), Pump room Fans, Shock Proof Fans, Smoke Extract Fans etc. In case of demand for special Fans, SPICON is always ready to design a custom solution.

Our impellers have all aerofoil blades with high efficiencies and favourable noise ratings. Of course, electric motors are normally supported symmetrically, without feet disturbing the flow. The blade angle can be adjusted at standstill, a big advantage when for example the duct system is modified. The aerodynamically shaped impellers are made of corrosion resistant cast aluminium alloy.

Inlet size	250 up to 2800 mm
Casing thickness	1.5 up to 16 mm
Impeller types	N, M, X, Y (adjustable pitch) & made of Cast Aluminum, Mild Steel & Stainless Steel
Motor frame Size	63 up to 400
Position	A, AU, AD, B, BD, BU according to Euro vent
Surface Treatment	Painted, Hot-dip galvanized
Special design	Flame-proof, High temperature, Shock proof & Reversible



## STANDARD ACCESSORIES & SERVICES

Along with Spares for Fans (Impeller, Shaft, Bearings, Couplings, Pulleys, Belts, Hardware we also provide accessories for all kinds of Fan. Standard accessories for fans are

Sensors	Actuators	Protective Grills	Jet Cowls
Silencers	Cables	Bell-mouths	Inlet Cones
Monitoring Instruments	Vibration attenuators	Flexible connections	Electrical panels
Dampers	Ducting	Insulation	Louvres

Along with the high standard manufacturing facilities SPICON provides after supply services like Erection, Commissioning, Maintenance, Case Study, Retrofits/Upgrading of Fans, Vibration Analysis, Field Balancing as well. We handle Turnkey projects regarding Basement and Tunnel Ventilation systems. We do offer AMC services also. Our highly experienced service team is capable to handle all Fans of other makes also.

## RADIAL FANS

Our Centrifugal Fan range has been developed to allow most combinations of volume flow rate and pressure to be realized with direct drive Fans. Since the Fan range is based on a modular system the majority of Fans can be manufactured from standard components. This allows for short through put times & competitive prices.

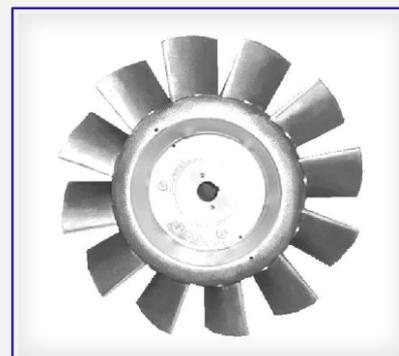
Inlet size	63 up to 2500 mm
Casing	1.5 up to 20 mm Thick & MS, SS, Aluminium & Special Alloy materials
Casing types	LRZ (Low pressure), PRZ & MRZ (Medium pressure), HRZ (High pressure), SRZ (Ultra high pressure).
Impeller types	Minimum 6 types per casing including dust impellers
Motor frame Size	63 up to 400
Outlet Position	According to Euro vent
Special design	Flame-proof, High temperature, Gas-tight, Earth quake safe, Shock proof etc.



## IMPELLER

Our impellers have all aerofoil blades with high efficiencies and favourable noise ratings. Of course electric motors are normally supported by the guide vanes, without feet disturbing the flow. The blade angle can be adjusted at standstill, a big advantage when for example the duct system is modified. The aerodynamically shaped impellers are made of corrossions resistant cast aluminium alloy. It's low weight gives good life expectancy for the motor bearings.

	Low Pressure Impeller		Medium Pressure Impeller		High Pressure Impeller	Reversible Impellers	
	N6	N8	M8	X8	Y12	NR8	MR8
Impeller Diameter (mm)	315 - 3550	315 - 3550	280 - 3150	250 - 2800	250 - 2500	400 - 2240	400 - 2240
Pressure range (Pa)	100 - 700	100 - 1700	100 - 2000	100 - 2500	100 - 3500	100 - 1500	100 - 1700
Volume flow rate range (m3/h)	500 - 200.000	500 - 1.000.000	500 - 500.000	500 - 400.000	500 - 300.000	500 - 1.000.000	500 - 500.000
Hub ratio (%)	45	45	50	56	63	45	50



## TEST FACILITIES & SPECIAL EQUIPMENT

### TEST FACILITIES

Axial Fans : ISO 5801, IS 3588, AMCA 210.  
Centrifugal Fans : ISO 5801, IS 4894, AMCA 210.  
Jet Fans : ISO 13350, AMCA 250.  
Laboratory : AMCA accredited laboratory in Germany.



CNC Flange & Bell-mouth Spinning Machine  
Fully automated spinning machine to form bell- mouths, flanges, nozzles, cones.  
Can handle 3 to 16mm thick Mild & low carbon steels

CNC Plasma high definition Cutting machine  
Model: Messar, Germany.  
Capacity: Jobs up to 7 Mtrs Length & 20 mm Thk  
MS, SS, Aluminium & Special materials



Dynamic Balancing Machine  
Model: Abro, Germany.  
Capacity: Up to 500Kgs Wt, 100Dia shaft & 2.5 Mtr length

Seam Welding machine  
Capacity: Jobs up to 8 thk, 1.6 Mtr Dia & 2.5 Mtr length

