

# JITAMITRA ELECTRO ENGG PVT LTD



- Manufacturing set up at **Ahmednagar** ( Maharashtra State) & Marketing office at **Pune**
- Official Business Partner to M/s Elektor Airsystems GmbH(Germany) from 2009
- Part of ZEN group , which was founded in 1993
- An established group with manpower of about 100 direct & indirect employees
- **Turnover over INR 150 million from 2010-11**

# Own Design back up – Unique advantage for Fan Performance ..



- JITAMITRA has acquired “**High End – IMPORTED Design Engineering software**” from Fan expert having rich experience with global companies and which is verified , tested and accepted for actual working conditions
- Can provide GA drawing with Performance Curve
- The unique design software feature includes designing the fans according to needs with highest safety - Advantage to customer !
- Design to ensure “ High Efficiency Fan “ & energy savings to end user which can be advantage to OEM manufacturer as positive feature

# Pre Sales & Service Support ..



- JEEPL offers complete support for pre sales ( Application Study ) to ensure “ Right Selection of Fan “
- Capable to undertake on site & in house servicing and testing for blowers for analyzing performance in event of any problem
- In house balancing & calibration facility to offer servicing & testing as per IS 4894 with test certificate
- Can also undertake servicing of electric motor ( having own motor manufacturing plant with testing facility )

# Most advanced infrastructure (Fan Mfg ).



## Centrifugal Fan Manufacturing & Servicing Set up

- **Latest Generation CNC Laser cutting machine**  
( **Make AMDA FO M2** , capable of cutting MS up to 16 mm & SS up to 8 mm )
- Hydraulic Press Brake ,Power bending Machine
- MIG / TIG welding machines
- Assembly shop ( with suitable Fixtures )
- **ABRO make Balancing machine** ( capacity : Dia 1500 mm / 450 Kg weight with split bed )
- **Testing of Centrifugal Fans ( as per IS 4894 )**  
**and Test certificate with Performance curve provided**



# Modern infrastructure - advantages..

- Our Design software enable to generate AutoCAD drawings which can be passed on to CNC Laser cutting machine – CNC laser cutting ensures “ Precision Sizes for critical components ( like impeller and positioning of blades ) to deliver accurate performance as per design standard “
- Moreover , CNC environment and standard design file ensure same and consistent quality for every batch
- Accurate balancing with modern ABRO machine ensures highest level accuracy & lowest vibration. ( Possible to balance according to class 2.5 when needed )

# Other Infrastructure support ..

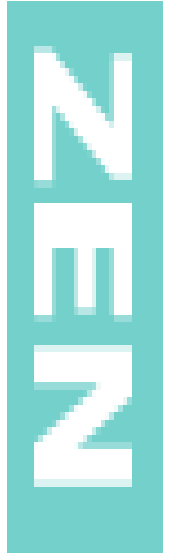
## **Electric Motor manufacturing & Servicing Set up**

- Winding shop ( with vacuum impregnation )
- Assembly ( conveyor based )
- Inspection and testing ( Winding & In line Test )
- Load testing ( for Electric motors )

## **Facility of In house Powder Coating**

- Seven tank surface treatment shop
- Powder Coating Booths
- Suitable Oven ( size 15 ft x 6 ft x 6 ft )
- Also liquid spray paint facility

Electric Company





Electric Company

## Quality certification ( incl Group companies )..

- ISO 9001-2010 certification under implementation
- Group companies already ISO 9001:2008 certified ( also SIX Sigma approval )



# Manufacturing capability .. Centrifugal fans & Blowers



- JEEPL is equipped to design, manufacture and testing of Steel (MS / SS construction) Centrifugal fans & Blowers up to **100 HP motor capacity** (\*Above 100 HP and up to 300 HP customized blower possible wherein testing will be interpolated from running at Low RPM or on Site Electrical Test )
- In terms of air flow capacity ,the range will be up to **max 150,000 cubic mtr/hr ( pressure up to 1500 mmWC )**
- The application range include Low Pressure , Medium Pressure & High Pressure blowers



# Manufacturing range at glance ..



**JITAMITRA ELECTRO ENGINEERING PVT LTD.**



## Selection Data ( According to Motor HP Rating ) for standard range of Centrifugal Fans / Blowers

Technical Data for Our Standard Centrifugal Blowers

Pressure (mmWC)	50	75	100	150	200	250	300	400	500	600	700	800	900	1050	1200	1400
Motor H.P.	Flow in Cubic Meter Per Hours at NTP															
0.25	680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.5	1360	850	680	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2720	1700	1360	1150	510	450	380	250	-	-	-	-	-	-	-	-
2	5450	3600	2700	1700	1100	900	800	600	500	-	-	-	-	-	-	-
3	8160	5400	4100	2600	1900	1700	1300	900	720	550	-	-	-	-	-	-
5	12570	8800	6800	5100	3100	2700	2300	1550	1250	1000	850	-	-	-	-	-
7.5	17500	12700	9300	6800	5100	4400	3400	2550	1900	1500	1450	1250	-	-	-	-
10	-	16650	13200	9000	6800	5600	4900	3400	2700	2200	2000	1700	1600	-	-	-
12.5	-	21200	16700	11500	8700	7300	6100	4250	3400	2800	2400	2100	2000	1550	-	-
15	-	-	20400	14000	10600	9400	7300	5300	4000	3400	2900	2600	2500	1900	-	-
20	-	-	26400	18700	12700	11500	9350	7350	5700	4600	4100	3600	3200	1500	1950	1700
25	-	-	-	21200	14900	14000	12250	9200	7200	5700	5100	4300	4000	3050	2550	3600
30	-	-	-	28000	17900	16100	14900	11000	8800	6900	6000	5400	4800	3800	3050	4350
40	-	-	-	37000	26000	19000	17900	13200	11000	8900	7500	6550	5600	4800	3800	3250
50	-	-	-	-	32000	27000	20400	16200	13500	11500	10000	8900	7800	6300	5100	4200
60	-	-	-	-	40000	33100	30000	18700	15800	13500	11200	10200	8900	7400	5500	-
75	-	-	-	-	44000	36000	32000	25000	22000	19000	16000	14000	11500	10000	-	-
100	-	-	-	-	70000	55200	50000	38300	32000	28000	24100	21000	18000	-	-	-

Note : Motor HP selection is arrived on basis of nearest standard size of motor as available in market

### Our Manufacturing Range

Centrifugal Fans ( Steel / Stainless Steel construction ) up to 100 HP motor rating and bigger fans can also be built under custom built solutions

The scope of Centrifugal fans can also be identified under Max Airflow of 150,000 m<sup>3</sup>/hr & Max Pressure up to 1500 mm WC

### Our Official Business Partner Elektror Airsystems gmbh range ( fro India market )

- Elektror make Aluminum Cast body Blowers ( Low / Medium / High Pressure , also with Frequency drive models )
- Elektror make Side Channel Blowers / Turbo Blowers
- Elektror make Conveying blowers



## Execution examples ..

We have successfully supplied centrifugal fans and Industrial blowers to below important segments ,

- Furnace Industry ( including combustion furnace , heat treatment furnace & smelting furnaces )

High pressure fans ( up to pressure 1200 mmWC running successfully )

- Pollution Control Industry ( blowers from 2 HP rating to 75 HP for various applications )
- Boiler ( ID, FD & PA Fan )
- Powder coating & Paint Booth Industry
- Dust Collector ,Fume Extraction , Cooling & Drying Systems
- Specialized blowers for equipments

# Jitamitra – Select models manufactured ..



# Advantage to customers..



- Complete support right from Application Study to Installation and efficient after sales service for complete range of products
- Quality environment in every activity right from beginning without any compromises
- Delivery of products with consistency in quality
- **World class quality products at an acceptable price to local market**

## Sales network ( through ASA ) ..



- Jitamitra Electro Engg Pvt Ltd (JEEPL ) is committed to provide best service through it's unique association program of “ Area Sales Associate “ (ASA )
- Area Sales Associate ( ASA ) is completely supported as part of JEEPL family and has access to all systems within the company including Technical database
- Area Sales Associate in your region is extended part of JEEPL and not an additional cost to you ! Our ASA is trained to provide effective service locally and efficiently to save time
- **Contact details available over our web site**

# JITAMITRA ELECTRO ENGG PVT LTD



Please feel free to write or call ,

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