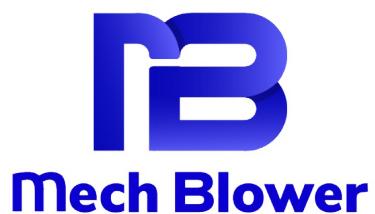




**STANDARD
ISO 9001:2008
(Q:MS)**



MECH BLOWERS

HIGH QUALITY, BEST PERFORMANCE



ABOUT US

Mech Blower Brand are recognized around the world as the best blower solution for Wastewater treatment & other aeration applications. Clients have trusted us for more than 4 years for Quality performance. Our Priority continues to be ALert & Approable towards client needs, Proactive to innovate better designed and high serving products & unmatched services for the long term relationship with clients. Every moment we are improving delivery and response rates, till date we have delivered more than 20,000 units and still counting.

**We're a team
of Hardworking and
Innovative Mechanical
Experts.**

01

Information:

OUR PRODUCT:

We manufacture high performance Blowers. Blower is equipment or a device which increases the velocity of air or gas when it is passed through equipped impellers. They are mainly used for flow of air/gas required for exhausting, aspirating, cooling, ventilating, conveying etc.

ADVANCE MANUFACTURING SYSTEM:

Mech holds most advanced manufacturing system with large number of CNC Machines Installed. The Blower and other products are manufactured with optimum profile resulting in high efficiency ,high displacement,lower slippage and all products are energy efficient.

COST EFFECTIVE:

Due to large setups we offer best in class product with best prices.



WHY CHOOSE MECH?



**COST
EFFECTIVE &
TIME EFFICIENT**



**BEST IN CLASS
CUSTOMER
SERVICE**



**POWERFUL
PERFORMANCE**

PERFORMANCE DATA



TWIN LOBE SERIES BLOWERS

PERFORMANCE DATA (AIR COOLED BLOWERS)

MODEL	IN./OUT. (MM)	SPEED (RPM)	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG					
			M3/HR	BHP	M3/HR	BHP	M3/HR	BHP												
MB-40	40	1000	51	0.43	42	0.70	35	0.96	29	1.23	24	1.49								
		1200	65	0.52	56	0.84	49	1.16	44	1.47	38	1.79								
		1440	83	0.62	74	1.00	67	1.39	61	1.77	56	2.15								
MB-42	40	1000	77	0.73	67	1.10	60	1.47	53	1.85	48	2.22	42	2.59	38	2.96				
		1200	98	0.88	88	1.32	80	1.77	74	2.22	68	2.66	63	3.11	58	3.55				
		1440	122	1.05	112	1.59	104	2.12	98	2.66	92	3.19	87	3.73						
MB-44	80	1000	120	0.90	107	1.45	98	1.99	90	2.54	83	3.08	77	3.63	71	4.17				
		1200	149	1.09	137	1.74	128	2.39	120	3.05	113	3.70	107	4.35						
		1440	185	1.30	173	2.09	164	2.87	156	3.66	149	4.44								
MB-47	80	1000	208	1.59	182	2.58	162	3.57	145	4.56	130	5.55								
		1200	262	1.91	236	3.10	216	4.29	199	5.47	185	6.66								
		1400	317	2.23	291	3.61	271	5.00	254	6.39										
MB-53	80	1000	181	1.82	163	2.63	150	3.45	138	4.27	128	5.09	119	5.90	111	6.72				
		1200	226	2.18	208	3.16	195	4.14	183	5.12	173	6.10	164	7.08	156	8.06				
		1440	280	2.62	262	3.79	248	4.97	237	6.15	227	7.32	218	8.50						
MB-55	80	1000	233	2.05	210	3.11	193	4.16	178	5.21	165	6.26	154	7.32	143	8.37				
		1200	291	2.46	268	3.73	251	4.99	236	6.25	223	7.52	211	8.78	200	10.04				
		1400	348	2.87	326	4.35	308	5.82	294	7.29	281	8.77	269	10.24						
MB-57	80	1000	326	2.47	295	3.95	270	5.42	250	6.89	231	8.37	215	9.84						
		1200	407	2.97	375	4.74	351	6.50	330	8.27	312	10.04	296	11.81						
		1400	488	3.46	456	5.53	432	7.59	411	9.65	393	11.71								
MB-59	100	1200	559	3.96	519	6.36	487	8.76	461	11.16	438	13.56								
		1400	669	4.62	628	7.42	597	10.22	571	13.02										
		1000	453	3.04	409	5.09	375	7.13	346	9.17	321	11.22	298	13.26	277	15.30				
MB-67	125	1200	565	3.65	520	6.10	486	8.56	458	11.01	433	13.46	410	15.91	389	18.36				
		1400	676	4.26	632	7.12	598	9.98	570	12.84	545	15.70	522	18.56						
		1000	605	3.73	546	6.46	501	9.19	462	11.92	429	14.65	398	17.38	370	20.11				
MB-610	125	1200	754	4.48	695	7.75	650	11.03	612	14.31	578	17.58	548	20.86	520	24.13				
		1400	904	5.22	845	9.04	800	12.87	761	16.69	728	20.51								
		1000	919	5.19	836	9.27	772	13.36	719	17.44	672	21.53								
MB-615	150	1200	1142	6.22	1060	11.13	996	16.03	942	20.93	895	25.84								
		1400	1366	7.26	1283	12.98	1220	18.70	1166	24.42										
		1000	795	4.34	746	7.69	707	11.03	675	14.37	647	17.72	621	21.06	598	24.40				
MB-78	125	1200	978	5.21	929	9.22	891	13.24	858	17.25	830	21.26	804	25.27	781	29.28				
		1400	1161	6.08	1112	10.76	1074	15.44	1041	20.12	1013	24.80	987	29.48						
		1000	994	5.18	932	9.36	884	13.54	844	17.72	809	21.90	777	26.07	747	30.25				
MB-710	150	1200	1223	6.21	1161	11.23	1113	16.24	1073	21.26	1038	26.27	1006	31.29	976	36.30				
		1400	1452	7.25	1390	13.10	1342	18.95	1302	24.80	1266	30.65	1234	36.50						
		1000	1292	6.43	1211	11.86	1149	17.29	1097	22.72	1051	28.15	1009	33.58	971	39.01				
MB-713	150	1200	1589	7.72	1508	14.23	1446	20.75	1394	27.26	1348	33.78	1306	40.29						
		1400	1886	9.00	1805	16.60	1744	24.20	1691	31.81	1645	39.41								
		1000	1691	8.61	1585	15.71	1504	22.82	1436	29.93	1375	37.04								
MB-717	200	1200	2080	10.33	1974	18.86	1893	27.39	1825	35.92	1765	44.44								
		1400	2469	12.05	2363	22.00	2282	31.95	2214	41.90										
		1000	1435	9.79	1373	15.59	1324	21.38	1284	27.18	1248	32.97	1216	38.77	1186	44.56				
MB-812	200	1200	1752	11.75	1690	18.71	1642	25.66	1601	32.62	1566	39.57	1533	46.52	1504	53.48				
		1400	2070	13.71	2007	21.83	1959	29.94	1919	38.05	1883	46.16	1851	54.28						
		1000	1914	11.73	1830	19.45	1766	27.18	1712	34.91	1664	42.63	1621	50.36						
MB-816	250	1200	2337	14.07	2253	23.34	2189	32.62	2135	41.89	2087	51.16	2044	60.43						
		1400	2760	16.42	2676	27.23	2612	38.05	2558	48.87	2510	59.69								
		1000	2392	13.66	2288	23.32	2207	32.97	2140	42.63	2080	52.29								
MB-820	250	1200	2921	16.39	2816	27.98	2736	39.57	2669	51.16	2609	62.75								
		1400	3450	19.12	3345	32.64	3265	46.16	3198	59.69	3138	73.21								
		1000	2453	14.91	2346	24.81	2264	34.72	2195	44.62	2134	54.53	2079	64.44	2028	74.34				
MB-1012	250	1200	2996	17.89	2889	29.77	2806	41.66	2737	53.55	2676	65.44	2621	77.32	2570	89.21				
		1400	3538	20.87	3431	34.74	3349	48.60	3280	62.47	3219	76.34	3163	90.21	3113	104.08				
		1000	3297	18.31	3153	31.62	3042	44.93	2949	58.24	2867	71.56	2793	84.87	2725	98.18				
MB-1016	300	1200	4025	21.97	3882	37.95	3771	53.92	3678	69.89	3596	85.87	3522	101.84	3454	117.81				
		1400	4754	25.64	4610	44.27	4500	62.91	4407	81.54	4325	100.18	4251	118.81						
		1000	4217	22.03	4033	39.05	3891	56.08	3772	73.10	3667	90.13	3573	107.15						
MB-1020	350	1200	5149	26.43	4965	46.86	4824	67.29	4705	87.72	4600	108.15	4505	128.59						

MB TRI LOBE SERIES BLOWERS

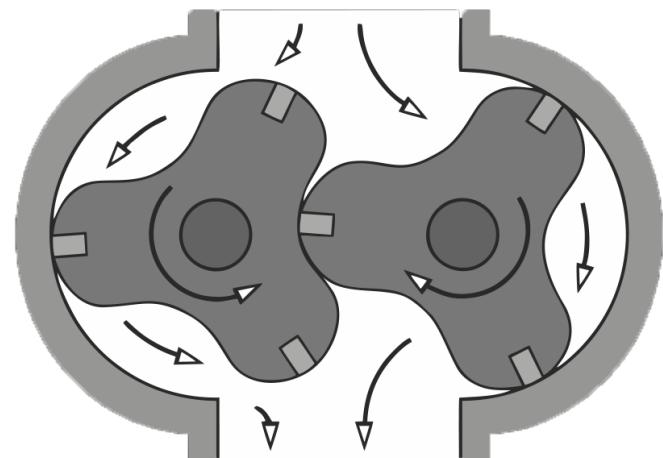
MB offers a wide range of positive displacement, three lobe blowers for use in compressions and vacuum application for air and other natural gases.

The MB TRI LOBE series can deliver pressures upto 1 kg/cm² with flow rate from 15 m³/h to 11000 m³/h.

The blowers for high section pressure are with mechanical seal and pressurized lubrication and other design changes.

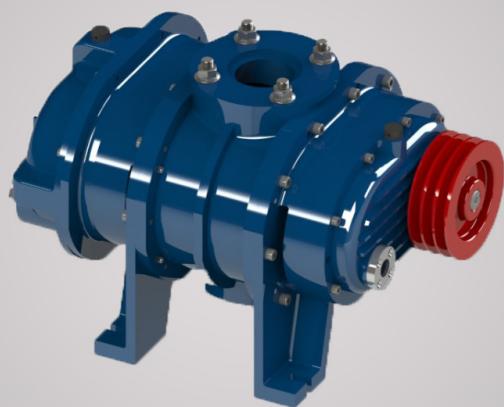
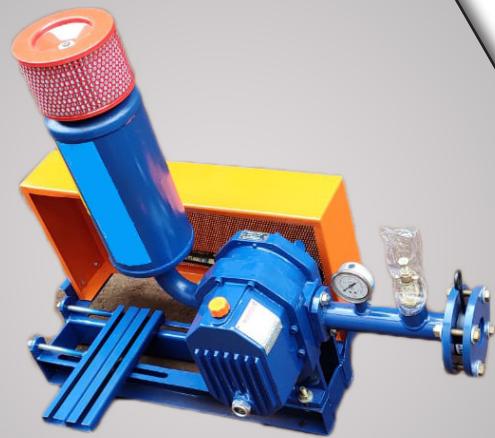
BENEFITS

- High Mechanical and volumetric efficiency
- Reliability in operation
- Air-cooled, oil free operation
- Fast and easy maintenance
- Dynamically balanced impellers
- Cast iron construction with a damper system to reduce noise and in-pipe pulsation
- Direct-drive or V-belt drive available throughout the operating range

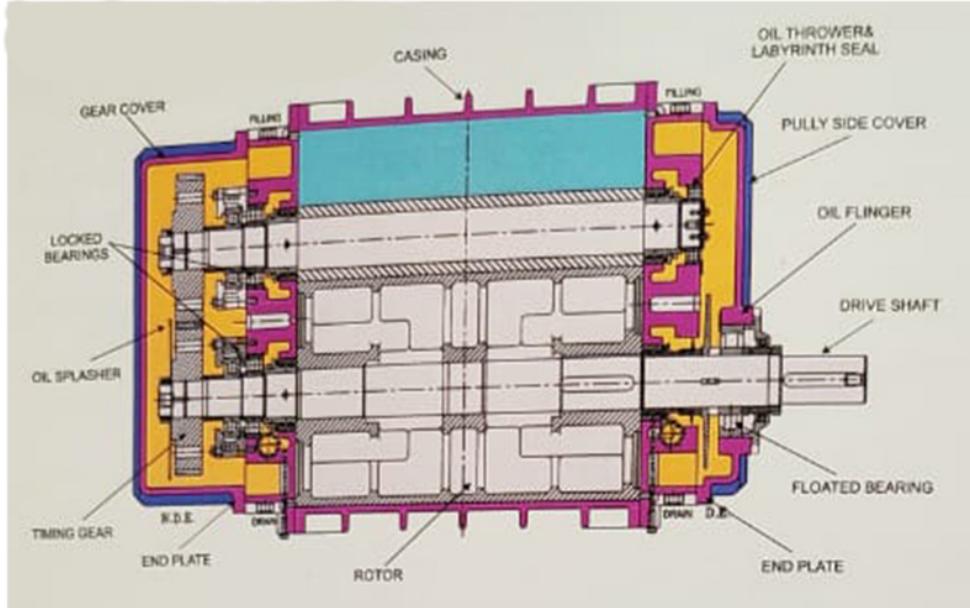


Performance Data of TRILOBE Series (Air Cooled Blowers)

MODEL	OPENING (MM)	SPEED (RPM)	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		5000 MMWG		6000 MMWG		7000 MMWG		8000 MMWG	
			M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP	M3/HR	BHP
MB -TL40	40	1200	22	0.25	16	0.38	12	0.51	8	0.64	5	0.77	2	0.90				
		1450	29	0.30	24	0.46	19	0.62	16	0.77	12	0.93	9	1.09				
		2850	71	0.59	65	0.90	61	1.21	57	1.52	54	1.83	51	2.14				
MB -TL50	50	1000	92	1.06	78	1.53	67	1.99	57	2.46	49	2.92	42	3.39	35	3.85	29	4.31
		1200	118	1.28	103	1.83	92	2.39	83	2.95	75	3.51	67	4.06	60	4.62	54	5.18
		1400	143	1.49	129	2.14	118	2.79	108	3.44	100	4.09	93	4.74	86	5.39	79	6.04
		1600	169	1.70	154	2.45	143	3.19	134	3.93	125	4.67	118	5.42				
MB -TL60	60	1000	154	1.31	138	2.01	125	2.72	115	3.42	106	4.13	97	4.83	90	5.54	83	6.25
		1200	193	1.57	177	2.41	164	3.26	154	4.11	144	4.95	136	5.80	128	6.65		
		1440	239	1.88	223	2.90	210	3.91	200	4.93	191	5.95	182	6.96	175	7.98		
		1600	270	2.09	254	3.22	241	4.35	231	5.48	222	6.61	213	7.74	206	8.86		
MB -TL80	80	1000	279	2.29	249	3.58	225	4.87	206	6.16	188	7.45	173	8.73	158	10.02	145	11.31
		1200	350	2.75	319	4.29	296	5.84	276	7.39	259	8.93	243	10.48	229	12.03	215	13.57
		1400	420	3.20	390	5.01	367	6.81	347	8.62	329	10.42	314	12.23	299	14.03	286	15.84
		1600	491	3.66	461	5.72	437	7.79	417	9.85	400	11.91	384	13.97	370	16.04		
MB -TL100	100	1000	404	2.80	367	4.59	339	6.39	316	8.18	295	9.98	276	11.77	259	13.57		
		1200	502	3.35	466	5.51	438	7.66	414	9.82	393	11.97	375	14.13	357	16.28		
		1440	620	4.03	584	6.61	556	9.20	532	11.78	511	14.37						
		1600	699	4.47	662	7.35	634	10.22	611	13.09	590	15.96						
MB -TL125	125	1000	828	4.72	778	8.20	739	11.67	706	15.14	677	18.62	651	22.09	627	25.56	605	29.04
		1200	1019	5.67	968	9.84	929	14.00	896	18.17	867	22.34	841	26.51	817	30.68	795	34.84
		1440	1247	6.80	1196	11.80	1157	16.80	1124	21.81	1096	26.81	1069	31.81	1045	36.81	1023	41.81
		1600	1399	7.56	1348	13.11	1309	18.67	1277	24.23	1248	29.79						
MB -TL150	150	1000	1106	5.73	1056	10.20	1018	14.68	986	19.15	958	23.63	932	28.11	909	32.58	887	37.06
		1200	1351	6.87	1301	12.24	1263	17.61	1231	22.99	1203	28.36	1177	33.73	1154	39.10		
		1440	1645	8.25	1595	14.69	1557	21.14	1525	27.58	1497	34.03	1471	40.47				
		1600	1841	9.16	1791	16.32	1753	23.49	1721	30.65	1693	37.81						
MB -TL200	200	1000	1806	10.93	1712	18.36	1639	25.79	1578	33.22	1524	40.65	1476	48.08	1431	55.51	1390	62.94
		1200	2213	13.12	2118	22.03	2046	30.95	1985	39.86	1931	48.78	1883	57.69	1838	66.61	1796	75.52
		1400	2620	15.30	2525	25.70	2453	36.10	2392	46.50	2338	56.91	2289	67.31	2245	77.71		
		1600	3026	17.49	2932	29.37	2860	41.26	2799	53.15	2745	65.04	2696	76.92				
MB -TL250	250	1000	2806	14.83	2684	26.16	2590	37.49	2510	48.82	2441	60.15	2377	71.48				
		1200	3426	17.80	3304	31.39	3210	44.99	3131	58.58	3061	72.18	2998	85.78				
		1400	4047	20.76	3924	36.62	3830	52.49	3751	68.35	3681	84.21						
		1600	4667	23.73	4545	41.86	4451	59.98	4371	78.11	4302	96.24						
MB -TL300	300	1000	6232	30.39	6048	54.79	5906	79.18	5787	103.57	5682	127.97	5586	152.36	5499	176.75	5418	201.15
		1200	7568	36.47	7383	65.74	7242	95.02	7122	124.29	7017	153.56	6922	182.83	6835	212.10	6753	241.38
		1400	8904	42.55	8719	76.70	8577	110.85	8458	145.00	8353	179.15	8258	213.30	8170	247.45	8089	281.61
		1600	10239	48.63	10055	87.66	9913	126.69	9793	165.72	9688	204.75	9593	243.78				



06



Cross section drawing of a particular model

SALIENT FEATURES

- Rugged construction and State-of-the-art design.
- Heavy-Duty bearings, including one on outboard shaft for durability.
- Helical timing gears with taper bore, shrunk fit on the shaft under high pressure fitment highly reliable.
- Splash oil lubrication on both ends ensures longer bearing life
- Double acting metallic Rotary seals, guaranteed oil free conveying
- Rotary parts are dynamically balanced to grade 2.5
- High volumetric and mechanical efficiencies

CONSTRUCTION:

CASING:

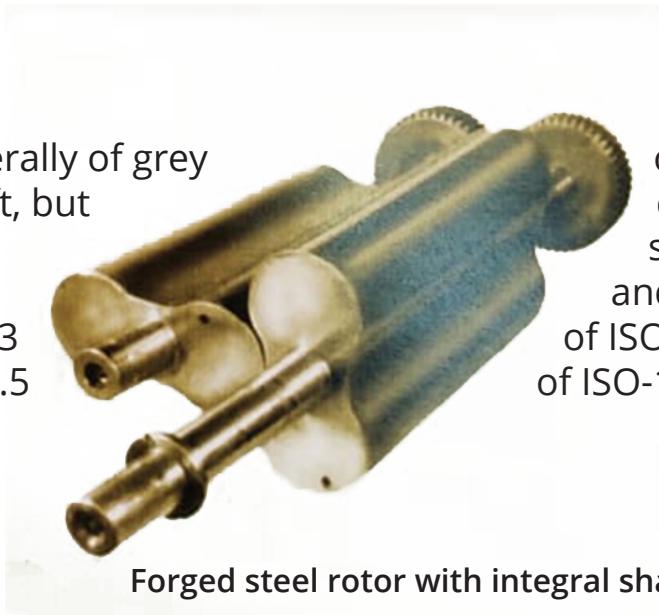
Integral cast body normally of grey or ductile iron. The casings have large in-built suction and discharge ports and heavy cast ribs. High pressure blowers have its casing jacketed for cooling water. The suction & discharge flanges are standardized as per IS-8418. Depending on application, the casing can be on carbon steel, alloy cast iron, etc.

END COVERS:

End covers are of grey cast iron and function as intermediate chambers. The labyrinth seals, oil thrower discs are placed in these covers with neutral space for preventing leakage of oil into casing.

ROTORS:

Rotor lobes are generally of grey pressed in steel shaft, but steel with integral precision machined balanced to grade 6.3 a very fine grade of 2.5



or ductile iron with can be out of forged shaft. The rotors are and dynamically of ISO-1940/ but mostly to of ISO-1940.

Forged steel rotor with integral shaft

TIMING GEARS:

The timing gears form important part of the blower. These drive the rotors in synchronized motion and help maintain clearances between matching lobes. The gears are out of case hardened alloy steel, hardened and ground to high accuracy. Gears are heavy duty, have excellent characteristic to withstand wear and shrunk fit on

SHAFT - SEALING

The sealing system consist of labyrinth seals, oil thrower discs with a neutral chamber. The compression chamber is thus effectively sealed from the oil chamber and media conveyed is free from oil contamination.

The rubber lip oil seals are abandoned limiting only to out board location.

BEARINGS:

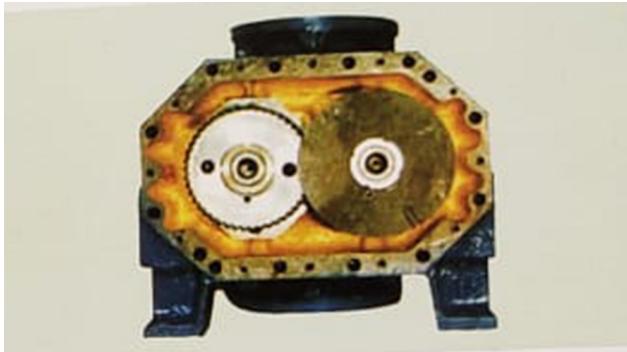
The bearings are heavy duty ball and roller type with load capacity suited for working conditions, stable performance and long service life.

This combination is for standard execution handling air, & pumps of medium vacuum. For blowers handling toxic or hazardous gases, the mechanical seals (M) are provided at one or more shaft locations. Gland packed seals (P) are provided in certain applications with or without liquid flushing.



LUBRICATION:

In order to ensure ideal lubrication and excellent durability, the bearings located on either end are splash oil lubricated. Depending on atmospheric and operation conditions, the oil baths have cooling arrangements for preventing its deterioration. The forced lubrication (L) is provided for high pressure blowers and on request.



SPECIAL MATERIALS:

Apart from the standard material of construction the blowers can be supplied out of special materials like nodular graphite iron, stainless steel, cast steel, Ni. Cr. cast iron.

HIGH MECHANICAL EFFICIENCY:

Since the lobes run without contact, the mechanical power loss is determined by the friction of ball and roller bearings and of timing gears. The gears being helical, hardened and ground to high accuracy and with antifriction bearings, the mechanical power loss is thus reduced to bare minimum

HIGH VOLUMETRIC EFFICIENCY:

The rotor-lobes are machined to high precision and under rigid quality checks before assembly to the blower. Due to the close tolerances, very fine clearances are maintained and thus enable, achieve high volumetric efficiency.

OIL FREE CONVEYANCE:

The lobes rotate inside the compression chamber maintaining fine clearances without contact or friction and require no lubrication, consequently ensure conveyance absolutely oil free. Due to this feature, it is a decisive advantage to use these blowers in various plants like water purification, food and chemical and pneumatic conveying etc.



CONTACT US



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Barwala North West Delhi - 110039**



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**CHANNEL PARTNER
(AHMEDABAD)**



PURE OXIDANE

PURE OXIDANE TECHNOLOGY
Shed No. 40, Safal Industrial Estate, Behind
Zaveri Estate, Kathwada-Singarva Road,
Kathwada GIDC, Ahmedabad-382430

CUSTOMER SUPPORT SERVICES:

A team of experienced and qualified engineers are deployed to render all kinds of technical post supply services to our esteemed customers; such as pre-commissioning and post commissioning services, troubleshooting etc. etc., to make the equipment

to user's satisfaction. Professionally & technically competent personnel are always ready to render these services, promptly and expeditiously For details contact H.O. or the nearest service network.



Diversified Product Range:

Mech blowers offers a comprehensive and diversified product range of products for the Process, Chemical, Oil & Gas, Steel, Aluminum, Cement, Water & Waste Water and Power Industries.



E-178, Nanesh Enclave, Jain colony Barwala North West Delhi - 110039

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