



TEXCONN SOLUTIONS

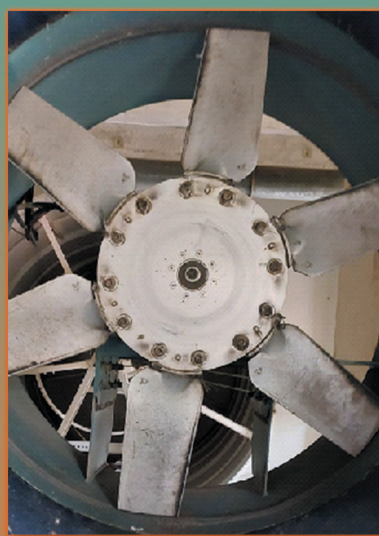
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TEXTILE ENERGY SAVING SOLUTIONS

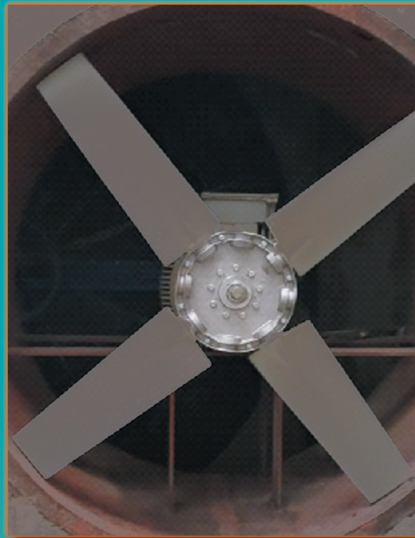
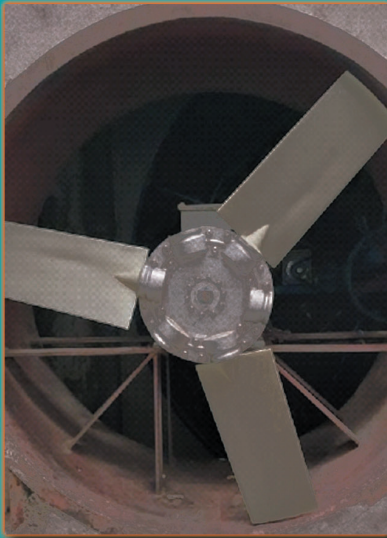
TEXTILE HUMIDIFICATION SYSTEM

Humidification system in Textile industry is a major role for productivity and yarn quality. For this system, we are using Return air Fans and Fresh Air fans and air washer pumps, to maintain temperature and humidity RH%. For the best result of humidity control, Fans are having major roll. And also the Humidification system power sharing also very high, such as 10 to 18% of the total power consumption.

Existing Humidification Plant Fans

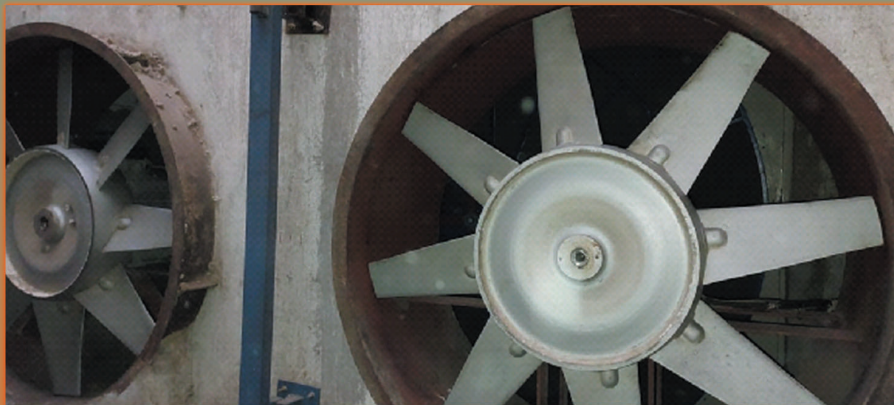


Our Texconn Fans

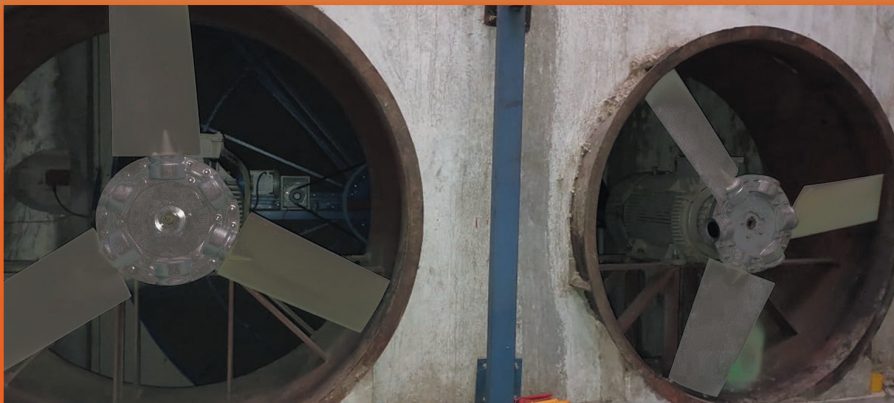


Our Texconn Fans are designed to deliver more volume and high static pressure with reduced power consumption, by our special design of aerofoil blades, we can save 20 to 35% of the power consumption, from the existing, without any performance deviation. Our Texconn fans can reduce your production cost with a simple payback of 4 to 6 months.

Before Installation



After Installation



Case Study

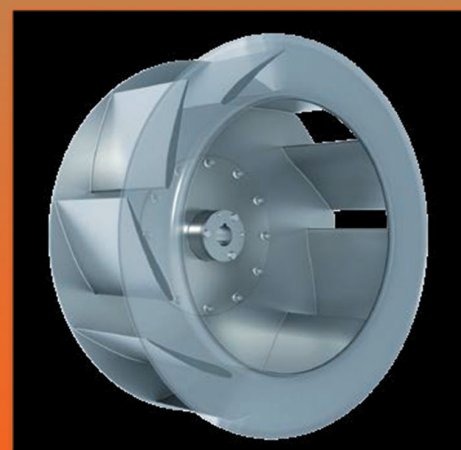
Sl no	Description	Before old Fan		After Texconn Fan			Saving KW	Savings in %	CMH Diff
		KW	CMH	Size	KW	CMH			
UNIT - 1									
1	Spinning EX - 1	8.87	99950	1196	8.09	109297	0.78	8.79	9347
2	Spinning EX - 2	13.01	184958	1196	9.71	203115	3.30	25.37	18157
3	Spinning EX - 3	12.67		1196	9.08		3.59	28.33	
4	Spinning SAF - 1	11.24	56098	1196	8.52	66123	2.72	24.20	10025
5	Spinning SAF - 2	8.70		1196	8.19		0.51	5.86	
6	Spinning SAF - 3	10.63	161843	1196	8.73	176522	1.90	17.87	14679
7	Spinning SAF - 4	12.11		1196	8.64		3.47	28.65	
8	Prep EX - 1	7.76	72235	1196	5.47	78132	2.29	29.51	5897
9	Prep SAF - 1	9.96	153909	1196	7.46	164052	2.50	25.10	10143
10	Prep SAF - 2	10.25		1196	7.73		2.52	24.59	
	Total	105.20			81.62		23.58	21.83	
UNIT - 3									
11	Spinning EX - 1	17.78	183727	1196	12.60	189574	5.18	29.13	5847
12	Spinning EX - 2	17.73		1196	11.37		6.36	35.87	
13	Spinning SAF - 1	9.02	152476	1380	5.39	150377	3.63	40.24	-2099
14	Spinning SAF - 2	8.71		1380	6.47		2.24	25.72	
		53.24			35.83		17.41	32.74	
UNIT - 2									
15	Spinning EX - 1	12.15	178185	1196	10.53	194191	1.62	13.33	16006
16	Spinning EX - 2	12.13		1196	10.46		1.67	13.77	
17	Spinning SAF - 1	12.48	142387	1196	8.48	153446	4.00	32.05	11059
18	Spinning SAF - 2	13.57		1196	8.69		4.88	35.96	
		50.33	1385768		38.16	1484829	12.17	23.78	99061
	Total units / hr	208.77			155.61				
	Total savings in Units / Hr				53.16				
	Total savings in Units / day				1275.84				
	Total Savings in %				25.5				

SPINNING PNEUMOFIL FAN

Existing

Texconn Fan

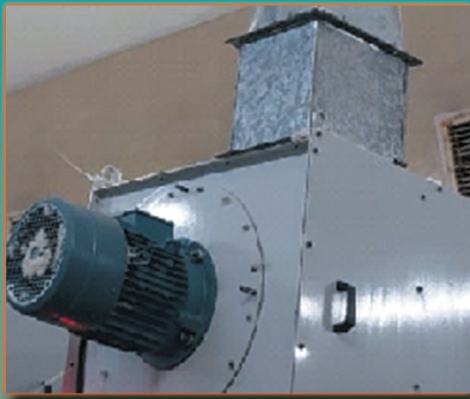
In spinning ring frames, we are having pneumofil fans, to suck cotton waste from suction tube and collection. For this fan we are consuming 3 to 5 watts per spindle, from our Texconn fans we can reduce upto 2 - 3 watts per spindle.



SPINNING COMPACT FAN

Existing

In textile spinning machines, for the yarn quality, we are using compact fans in modernized mills, for this purpose we are consuming the power consumption from 6 watts to 8 watts per spindle



Texconn Fan

Our Texconn energy saving compact fans designed for low power consumption with maintaining same volume and static pressure, such as 4 to 5 watts per spindle



OE TECHNOLOGICAL AND TRASH FANS

Existing

For OE machines, we are using high pressure fans like Technological fan and Trash fans for exhaust the machinery heat and dust, with old conventional blowers



Texconn Fan

Our Texconn Energy efficient Centrifugal blowers, designed for high pressure and high volume upto 8000 CMH at 8000 pascals, with lesser specific power consumption



WRS CENTRIFUGAL FAN

For Blow room and carding machines, we are having major volume fans for collecting micro dust from the carding and blow room machines.



Existing



Texconn Fan



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