



*Serving Better with Technology*



***Manufacturing:  
Humidification Plant &  
Filtration System for Textile Units,  
Manufacturers & Contractors***

***Speciality:  
Upgradation & Modification  
of Existing Plants  
for Automation and Energy Saving***

[www.qadriaircontrol.com](http://www.qadriaircontrol.com)

## WE ARE OFFERING

### ..... COMPANY INTRODUCTION

**QADRI Air Control** is a leading manufacturer of humidification and air conditioning systems for the weaving, spinning, and open-end mills in Pakistan. The company has been providing high-quality solutions to the textile industry for over a decade and has established itself as a reliable partner for textile manufacturers. In addition to air conditioning and humidification systems, **QADRI Air Control** also supplies complete carding and combers filters and waste collection systems for textile mills. The company has a team of experienced professionals who are dedicated to providing innovative and cost-effective solutions to meet the specific needs of their clients. With a strong focus on quality, reliability, and customer satisfaction, **QADRI Air Control** has become a trusted name in the textile industry in Pakistan.

1. Complete Automatic **Humidification & Air Conditioning Systems** offering specialized solutions for:  
✓ **Weaving**   ✓ **Spinning**   ✓ **Open-end**   ✓ **Knitting**
2. Energy Efficient **Filters & Waste Collection** Systems for:  
✓ **Blow Room & Carding**   ✓ **Combing Department**  
✓ **Automatic Pneumafil Collection**
3. Upgrades & Customized **Modifications** for Existing Plants  
**(Energy Optimization & Conservation)**

## BUILDING THE FUTURE OF TECHNOLOGY WITH US...

Humidification is an important aspect of textile mills as it helps to maintain the ideal moisture levels required for the production of high-quality textiles. The process of humidification involves adding moisture to the air in the mill, which can help to prevent static electricity, reduce dust and lint, and improve the performance of certain machines. To achieve the desired humidity levels, textile mills use specialized humidification systems that can control the amount of moisture in the air. These systems typically involve the use of humidification, which can be based on water spray and are designed to distribute moisture evenly throughout the mill.

Humidification systems are especially important in textile mills that produce natural fibers such as cotton and wool, as these fibers are highly sensitive to changes in humidity. By maintaining the ideal moisture levels, textile mills can produce high-quality textiles products that are free from defects and meet the necessary quality.

# Qadri Air Control ... Automation Additional Features



- 1- Filter pressures can be monitor from automation screen.
- 2- Air Change Settings can be managed from on screen. Customer can see and change inverter frequencies from automation screen.
- 3- Online Connection for troubleshooting with Qadri Air Control Pakistan.
- 4- Automation components from Siemens Germany. (PLC, HMI, Sensors)
- 5- All inverters are installed in a dust protected panels.
- 6- Our Customers can choose inverters from ABB, Mitsubishi and Chinese brands.
- 7- The air conditioning and filtration parameters can be projected on a LED Screen.

## ..... Qadri Air Control Additional Features



- 1- High quality European standards materials.
- 2- Complete Manufacturing by state of the art machines in our Factory.
- 3- All designs and drawings are prepared in 2D & 3D.
- 4- Air washer doors are Stainless Steel.
- 5- Air Washer Damper for chiller system are made in SS material to increase durability.
- 6- Waste collection silos has included spray water system for emergency situations.
- 7- Dust & Waste collection system are automated to decrease energy costs and labor costs.
- 8- Our Experienced engineers will provide extensive training for troubleshooting to operators.
- 9- Being a manufacturer all spare parts are available any time our customer requires.



**Machinery**

**Air  
Conditioning**

**Waste  
Collection**

**Dust  
Collection**

01

**TEXTILE**

**365,000 Spindles**

02

03

**700 + Looms Weaving**

**Denim Mill**

04

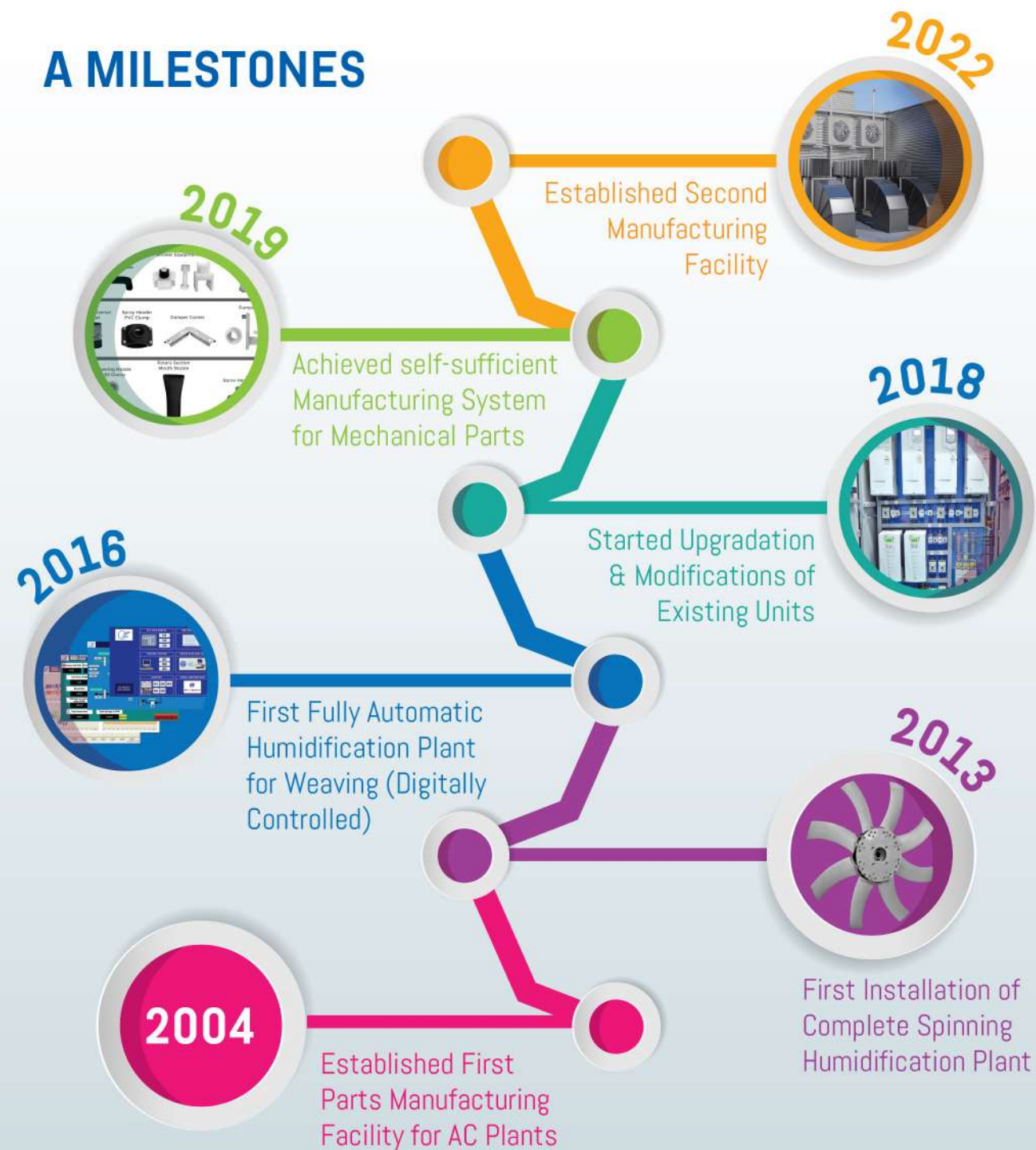
05

**100 Knitting Machine**

**Garments Factory**

06

## A MILESTONES



## Qadri Air control Customers In PAKISTAN

- Artistic Fabrics Mills Pvt. Ltd.
- Artistic Milliners Mills AM- 16
- Mustaqim Deing & Finishing Mills
- Ahmad Oriental Mills Limited
- H.A Fiber Mills Limited
- Din Textile Mills Unit # 2
- Din Textile Mills Unit # 3
- Din Textile Mills Unit # 5
- Din Industries Limited
- Saif Textile Mills Ltd.
- Kohat Textile Mills
- Mekotex Pvt. Ltd. 3A
- Mekotex Pvt. Ltd. 3B
- Hasher Textile Mills Limited
- H.A Fiber Mills Limited
- Artistic Fabrics Mills
- Kohinoor Mills Limited (Weaving Division)
- Anm Fashion Knits
- Consolidate Industries (Pvt) Ltd.
- Ihsan Cotton Mills
- Friends Weaving

- H.A Fibres (Private) Limited # 1
- H.A Fibres (Private) Limited # 3
- Quality Textile Mills Limited
- Latif Textile Mills
- Adnan Textile Mills
- Azgard 9 Mills
- Idrees Textile Mills
- Shadaab Textile Mills Unit 2
- Ihsan Cotton Products Pvt. Ltd.
- Combined Fabrics Mills
- Huzaifa Enterprises Mills Ltd.
- Siddique Sons Mills Ltd
- Dewan Textile Mills
- Ali Haq Spinning
- National Spinning Mill
- Ghous Fiber
- Empair Textiles Mills
- Fashion Knit
- Tariq Spinning Mills
- Rustam Towel Mills Pvt Ltd.
- Bisma Textile Mills

*Innovate  
Sustainably.*  
**PRESERVE THE  
FUTURE.**





Our Principals

ENGINEERING  
MEETS  
PROCESS  
KNOWLEDGE





IT'S NOT ABOUT TECHNOLOGY  
**IT'S ABOUT INTELLIGENCE &  
CONNECTING DIRECT WITH BUSINESS**



CHILLER  
COMPATIBILITY



ONLINE  
CONNECTION



AUTOMATIC AIR  
CHANGE CONTROL



ENERGYSAVING  
FEATURES



CONTROLS



DATA OUTPUT



GRAPHICS OUTPUT FOR ALL  
RELEVANT DATA  
EASY TO ANALYZE & MAINTAIN



TEMPERATURE



HUMIDITY



PRESSURE

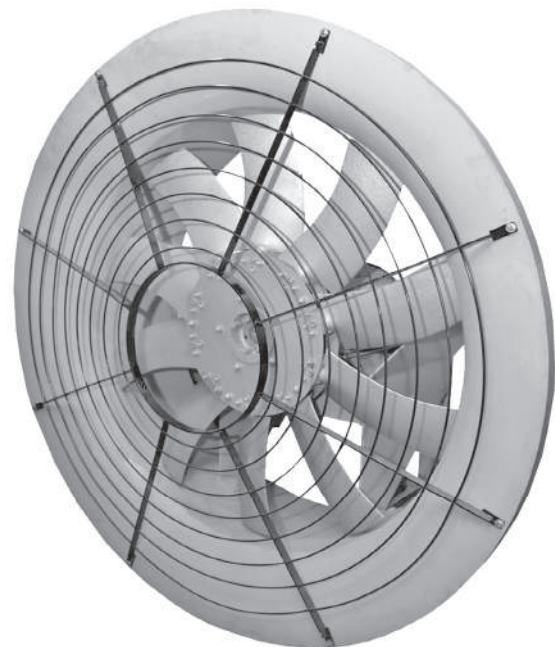


ENERGY



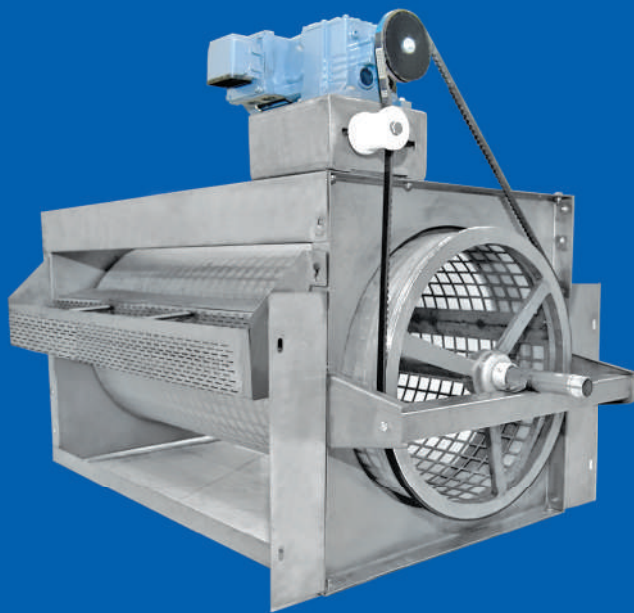
# FAN WITH HOUSING

Fan with new advanced bell housing and safety grills.



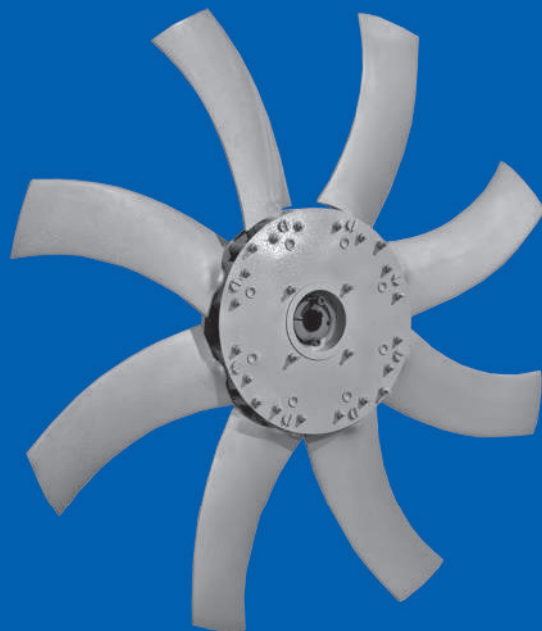
# WATER ROTARY

Water rotary are made with high grade stainless steel for rust prevention and long life.



# AXIAL FLOW FAN

All Axial flow fans are manufactured on state of the art plants and aerodynamically balanced with the help of latest technology for optimum performance and energy efficiency.



# AIR TIGHT DOOR

- Fire Proof & Sound Proof
- Powder Coating
- Air Washer Door S.S

Spray Chamber SS Door



Plant Inner side Door



Plant Main Door





## DAMPER

- Air Control Dampers are designed as per air volume requirement.
- Air volume Damper flaps are made with the help of latest CNC cutting machines.
- All Dampers can be operated with actuator Motors.



## SPRAY CHAMBER

- Design for optimum humidity control.
- Nozzles are made with the high quality ABS / SS material.
- Intake grills are made of high quality ABS material.
- High efficiency and energy efficient Pumps along with inverters.



## PRE-FILTER

Made with high quality material and SS mesh for coarse waste and clean environment.



## Fiber Compactor

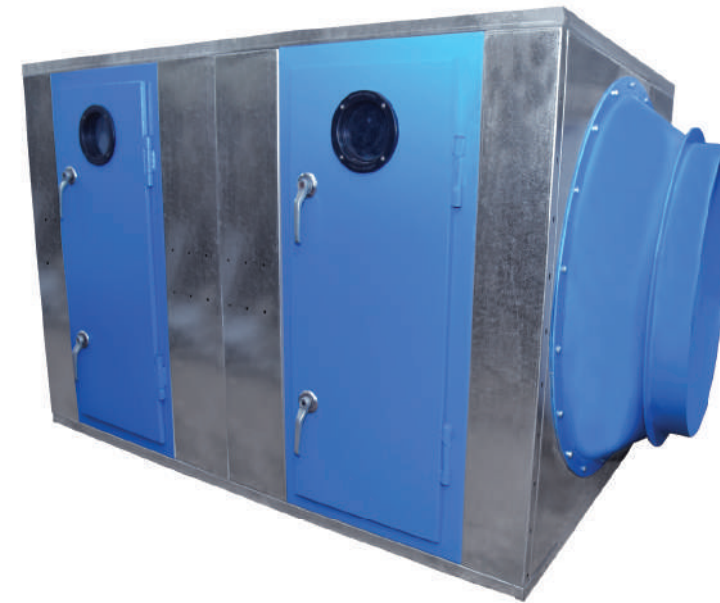
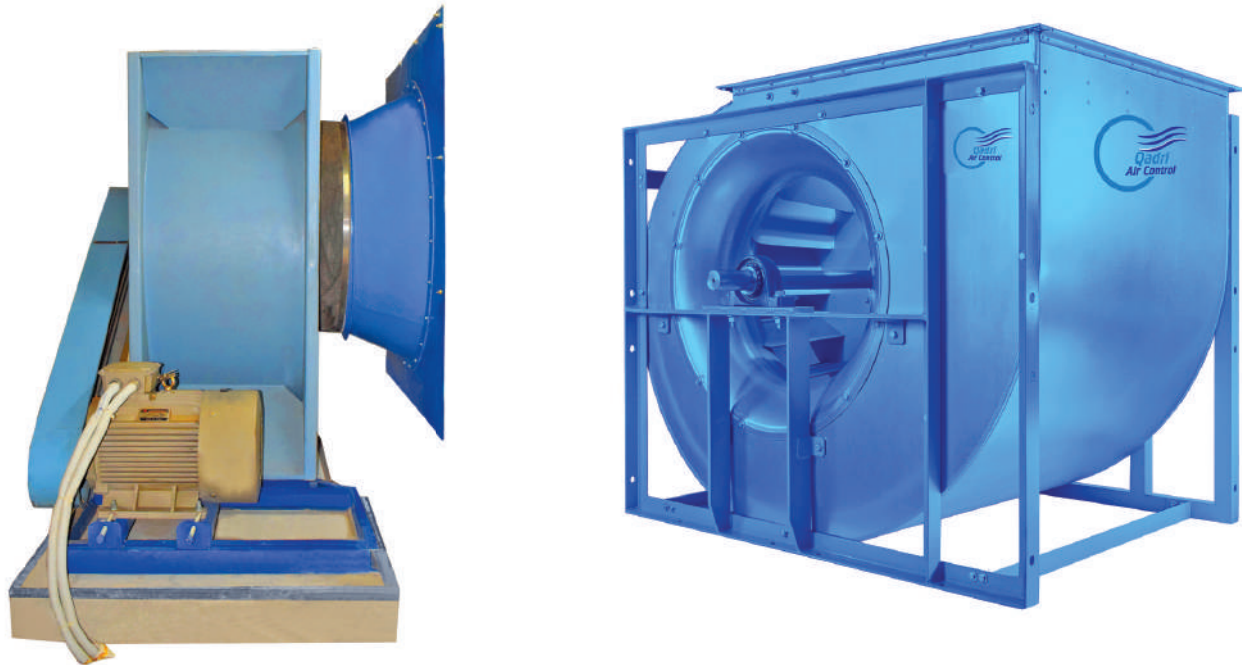
To separate and clean the air from dust and waste. With brush and brush-less screw designs depending on the waste material.

Switch control for high efficiency and energy saving

## RAIDAL FAN

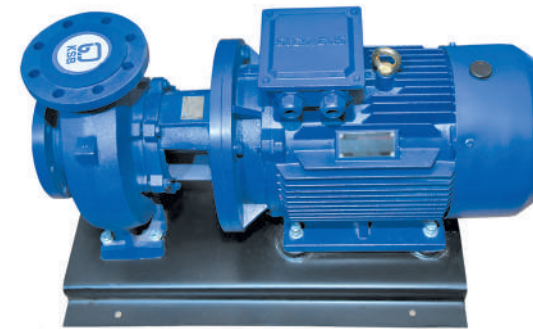
To enable the high-pressured airflow with a power specification matching to operations for every requirement.

High efficiency with special impeller design.  
Available with intake on both sides.



## COMPACT COMBER FILTER

Fabrication with galvanized sheet



## CENTRIFUGAL PUMP

Efficient Pumps along with inverters.



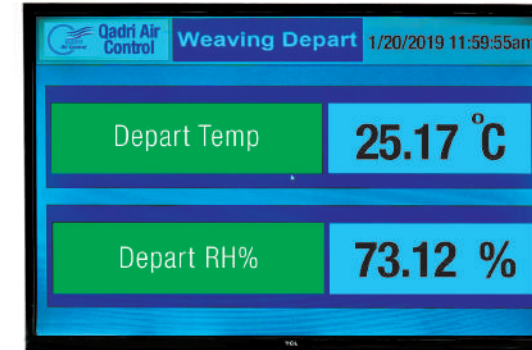
## ELECTRIC CONTROL PANEL

- Electric control panels are made with 2mm thickness sheet.
- Electro static powder paint coated.
- Cooling fan and filter installed for temperature control and dust.



## ELECTRIC CONTROL PANEL INSIDE VIEW

Air circulation with filtering. Front and back frames are welded & other parts are fitted with nuts and bolts.



## DIGITAL SENSOR

All departments temperature & humidity are monitored with advanced digital sensors for precise monitoring and control with the help of our automation system.



## ACTUATOR MOTOR

All Dampers are equipped with Actuator Motors for automatic control.



## PREFILTERS

Prefiltering of fiber material with a radial fan suction for the specific and low capacity application.



## FRP & GALVANIZED SHEET SQUARE & ROUND PIPE DUCT



## FIBER DUCT

High quality thickness 2.7mm.  
Excellent Air Flow.

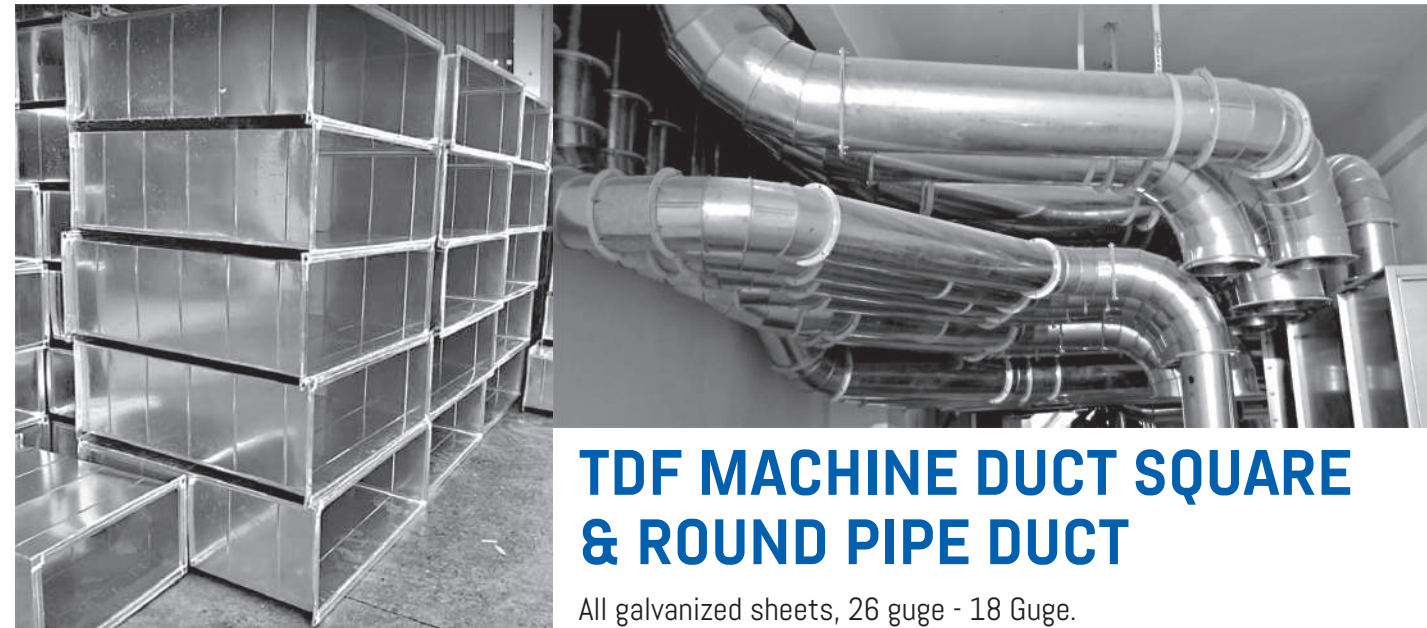
## HYDRAULIC BALE PRESS

- Connected with automatic waste collection system.
- Automatically collects the waste and convert into bale.
- Capacity 2 Bales per hours.



## DUST COLLECTOR

High efficiency with special impeller.  
High pressured airflow available.



## TDF MACHINE DUCT SQUARE & ROUND PIPE DUCT

All galvanized sheets, 26 guge - 18 Guge.



## Eco Energy DIGI Control

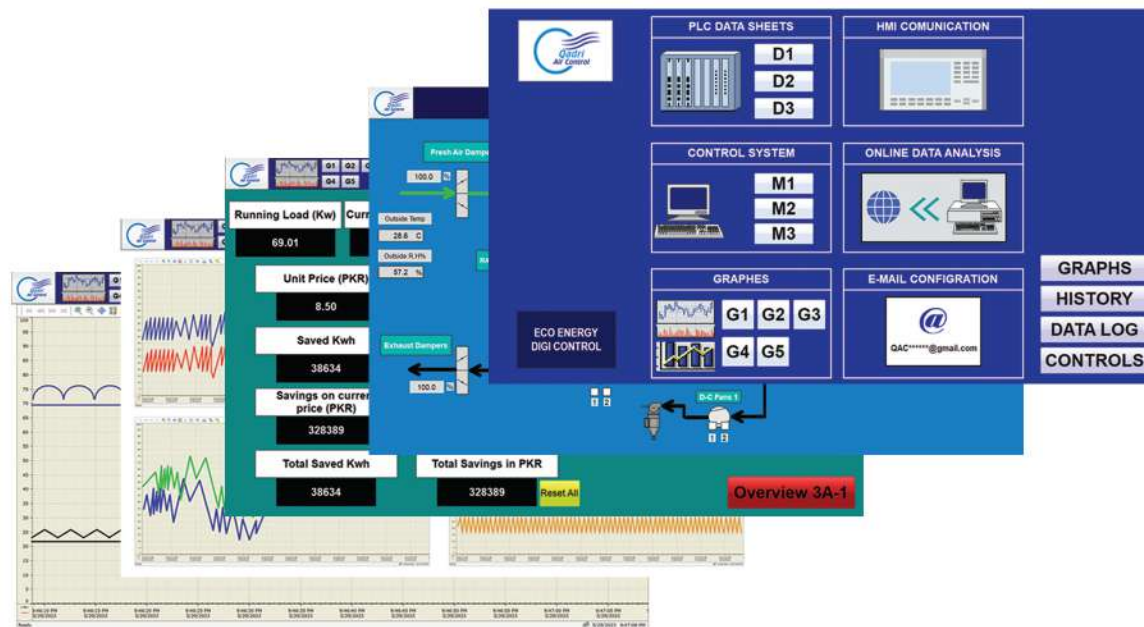
Our advanced automation and digital system is a sophisticated PLC that controls every component of the installation.

This system enables clients to monitor and manage all parameters efficiently, ensuring precise temperature and humidity control.

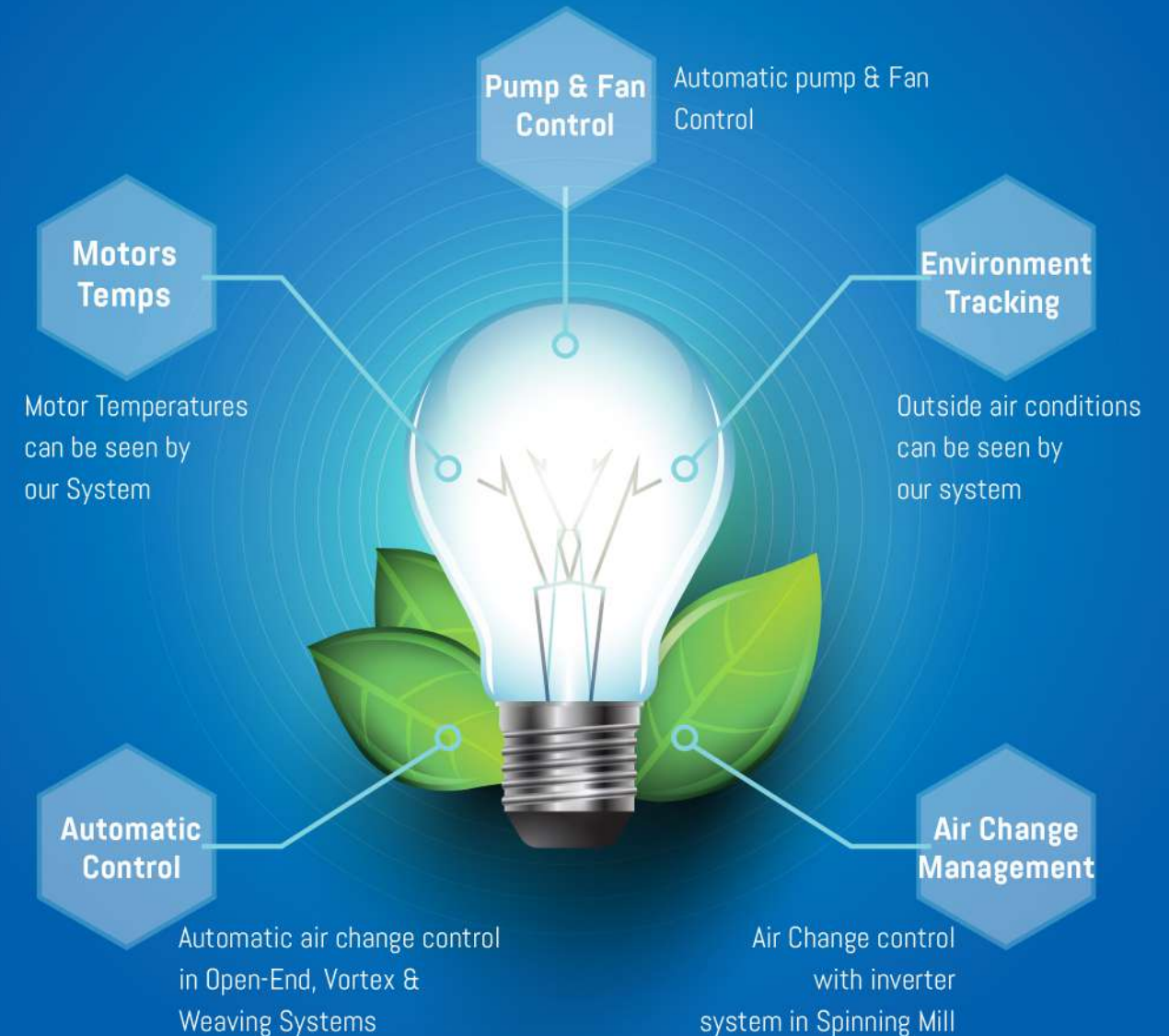
Developed by our dedicated and highly qualified team, the software is user-friendly, allowing seamless monitoring, recording, and control from a single PC.

Clients can save all data and generate printouts of temperature and humidity records for better analysis.

Additionally, with the integration of inverter technology, we achieve optimal energy efficiency for the entire installation.



## Thanks to our automation with Unique Control System for getting **Energy Saving**







## Rotary Air Filter / Drum Filter

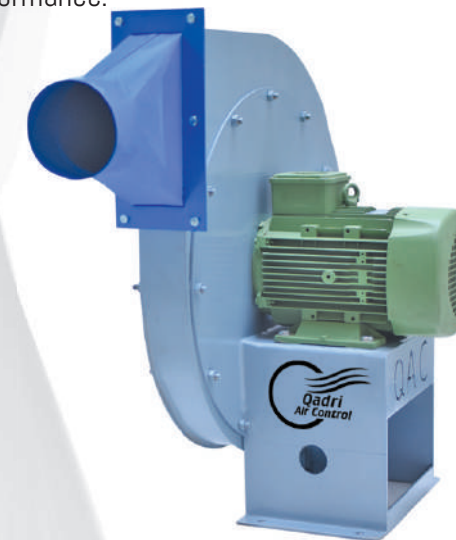
The rotary air filter is a well proven fine dust filter for exhaust air with a high concentration of dust and fibers in spinning and weaving mills.

Made with high quality MS Sheet.  
Special PVC Nozzles for better cleaning.  
Electrostatic powder paint coated.  
Available in different sizes 1500mm to 3000mm.  
Easy to clean acrylic media cloth 200 to 300 micron.



## Rotary Dust Collector Fan

Special Design for high quality performance.



## Transport Fan

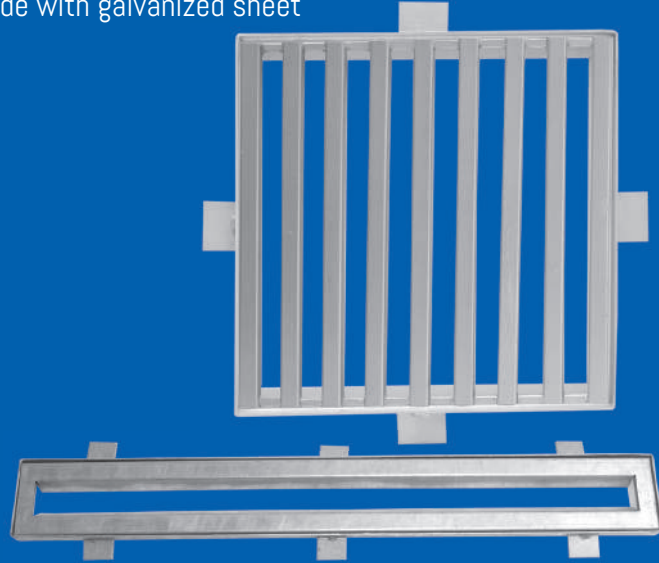
High efficiency and Suitable to transport fiber, waste in textile. Capacity 2500 to 12000 m<sup>3</sup>/h





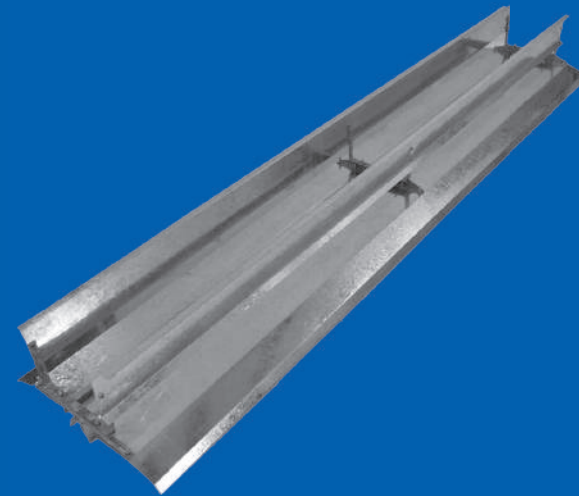
## FLOOR GRILL FRAME

Made with galvanized sheet



## BAFFLE PLATE

Made with galvanized sheet



## Fiber Compactor with Conveyor

Fiber compactors incorporated with conveyors system to transport the waste for a long distance.

Reducing the cost of labor and easy handling of waste.

Also beneficial for blending of different waste.



## All Washing Chambers and Dampers Equipments

Travel Duct Cover Handle



Shower Equipment ABS



Nozzle SS Clamp



Rotary Universal Socket



Spray Header PVC Clump



Damper Corner



Damper Bush



Showering Nozzle & SS Clamp



Rotary Suction Mouth Nozzle



Spray Header Tee



# All Washing Chamber Equipments

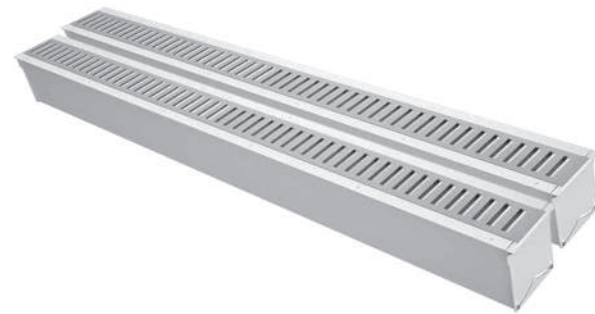
## ELIMINATOR PLATE

Made with the high quality PVC material for durability



## DIFFUSERS FOR WEAVING

Material high quality galvanized sheet



## PVC SUCTION NOZZLE

Specially designed for optimum cleaning of rotary filters.



## PVC DIFFUSER

PVC air Diffuser designed for optimum performance of air conditioning. Made with 2.5mm thickness PVC sheet and SS fitting bolts for long life.



## TRAVEL DUCT GEAR

Specially designed by Qadri Air Control for maintenance free operations. Bush system is replaced with bearings.







## Qadri Air Control & Engineering Works

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