

A step ahead..Always!



SHIVA TECHNO FAB TM

ISO 9001 : 2015





A Step Ahead..Always !

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ABOUT US



What Do You Think Is Required For Making A Company Successful And Thriving In The Competitive Market?

- ▶ Innovation, Ideas, Teamwork, Experience, Hard Work, Technology, And Numerous Other Factors Make A Company Succeed In The Market And Fulfill Its Customers' Expectations. Shiva Techno Fab Company Is One Such Company. Shiva Techno Fab, Which Surely Is A New Company As Compared To Its Competitors, Has Managed To Generate A Good Hype In The Market And Among Its Customers. It Is Now Counted As One Of The Leading Companies That Not Only Designs But Also Develops And Manufactures Small, Medium As Well As Large-scale Machines For Its Customers.

We Have Been Working Day And Night For Over 7 Years To Create Our Brand Identity And Have Expanded Our Business In The National As Well As The International Market. We Are Iso Certified Company 9001:2017 And Our Company Follows Latest Asme (American Society Of Mechanical Engineers) Code Of 2017 With 2019 New Amendment/circular Of Code. We Have A Team Of Professionals Who Handle All Our Customers' Queries From Our Office Located In Ahmedabad, Gujarat, India. We Manufacture High-quality Machinery. Till Now, We Have Created Machinery Which Includes Rotary Dryer, Pond Ash/Fly Ash Dryer, River Sand Dryer, Silica Sand Dryer, Garnet Sand Dryer, Slag Dryer, Pozzolana Ash Dryer, Biomass Dryer, Dry Mix Mortar Plant, Ready Mix Mortar Plant, Tile Adhesive Plant, Industrial Dryers, Classification Machinery & Plants, Drying Equipment, Sand Screening Plants, Chemical Equipment, Storage Equipment, Industrial Mixers, Material Handling Equipment, Hot Air Generator, Industrial Vessels, Cement/fly Ash Bulker And Tailors, Turnkey Projects And Numerous Other Machinery.

We Thrive To Satisfy Our Customers, And This Is The Reason Because Of Which Our Company's Name Is Quite Popular Across The Country And Has Made It A Certified Organization That Holds The Capacity To Manufacture World-class Equipment. We Started This Company With The Motive To Satisfy Our Customers, And Till Date, We Have Experienced Huge Appreciation From All Our Valued Customers Whom We Have Offered Our Services.

We Offer Assurance That All Our Products Are Of Great Quality And Are Manufactured While Taking Care Of All The Safety Precautions. We Thrive To Deliver Stylish Designs At Reasonable Prices. Our Team Of Experts Works With Great Dedication And Commitment, And They Make Important Suggestions And Improvements In The Designs To Suit The Customers' Needs And Vision. We Follow And Believe In Globally Approved Quality Management System.

Shiva Techno Fab Is A Renowned Organization And Is Engaged In Manufacturing, Exporting And Supplying Industrial Machinery To Clients All Over The World. We Are In This Industry With The Aim To Deliver Our Customers Machinery With High Functional Efficiency As Well As A Simple Operation. All The Machinery That We Design Requires Low Maintenance, Ultimately Helping Owners Save A Good Amount Of Money.

Machines That We Have Manufactured Have Been Used For A Vast Range Of Applications Which Includes Pharmaceuticals, Chemical Industries, Fertilizers Industries, Seed Industries, Building & Construction And Many More Applications.

“ A Step Ahead Always ”

We Have Our Customers' Support To Back Up Our Claims And The Reason Because Of Which A High Percentage Of Our Former And Current Customers Recommend Us To Others Is Because Of Our High-quality After-sales Service. We Believe In Client Satisfaction.

Our Facility Is Situated In One Of The Most Advanced Industrial Areas Of Vatva, Gidc Area, Ahmedabad, Gujarat, India. Our Well-equipped Manufacturing Unit Is Supervised And Managed By A Team Of Qualified And Experienced Technocrats. We Always Stick To Well-defined Work Procedure And Follow All The Environmental And Industrial Safety Norms.





ROTARY DRYER



> INDUSTRIAL ROTARY DRYERS :

We Have Built A Character On Manufacturing The Best And Most Suitable Rotary Drying Systems With Reasonable Price To Our Customer In Industries. All Shiva Techno Fab's Dryers Are Manufacture On The Base Of Custom Designed To Suit The Unique Processing Needs Of Your Material. According To The Special Features Of Raw Material Needed To Be Dried, Shiva Techno Fab Can Design And Supply The Suitable And Reasonable Rotary Dryer Machines For The Customers Accordingly As Actual Need. We Consider All The Small Details Of Your Material Like Required Low Or High Temperature In Inlet, Residence Time, Counter Current Or Co-current Flow, Material Properties Etc. We Have Highly Experience Team Who Have Years Of Technical And Design Knowledge. We Understand The Client Requirement And Shiva Techno Fab's Design Team Can Design A Rotary Dryer For Your Different And Various Material And Application.



> APPLICATION OF ROTARY DRYER :

Shiva Techno Fab Since Working With 7 years Experience In Domestic And International Market With Vast Range Of Products Like Drying, Classifying, Crushing, Milling, Grading And Material Handling Equipment In Major Range Of Applications Or Industries. Rotary Dryers Are Use For The Drying Various Material Like River Sand, Silica Sand, Garnet Sand, Quartz Sand, Pond/Fly Ash, Pozzolana Ash, lag Sand, Minerals, Chemicals, Sawdust, Wood Chips, Sludge, Bagasse, Etc. Shiva Techno Fab's Rotary Dryers Works By Gripping Material In A Rotary Drum In Presence Of Direct Hot Air. We Are Also Use Indirect Hot Air To Avoid Direct Contact Between The Material And Processing Medium. The Rotary Dryer Drum Is Located At A Slight Horizontal Slop To Allow Gravity To Help In Moving Material Through

Drum. When The Rotary Dryer's Drum Starts Rotating Lifting Flights Lift The Material And Drop It Through The Air Stream In Order To Maximize Heat Transfer Efficiency. Material Is Processed For A Specified Amount Of Time, Referred To As The Retention Time, At The Desired Temperature, In Order To Produce A Product With The Required Moisture Content. While Rotary Dryers Are Available In Standardized Models, Designing A Rotary Dryer Around The Unique Characteristics Of The Material And Process Needs Will Produce The Best Results And Offer The Most Reliability. Various Aspects Of The Dryer Are Considered During Initial Design In Order To Reach The Exact Desired Parameters Of The End Product.

> CONSTRUCTION OF ROTARY DRYER :

Rotary Dryer Mainly Consist Of Shell (Drum), Inlet Hood, Outlet Hood, Girth Gear, Riding/Tire Ring, Pinion, Trunnion Wheel, Thrust Roller, Transmission Assembly, Burner/Hot Air Generator, Induced Draft Fan, Raw Product Inlet Hopper, Product Discharge, Flights, Air Seals, Rav, Cyclone Separator, Aluminum And Cerawool Claddings.

> KEY FEATURE :

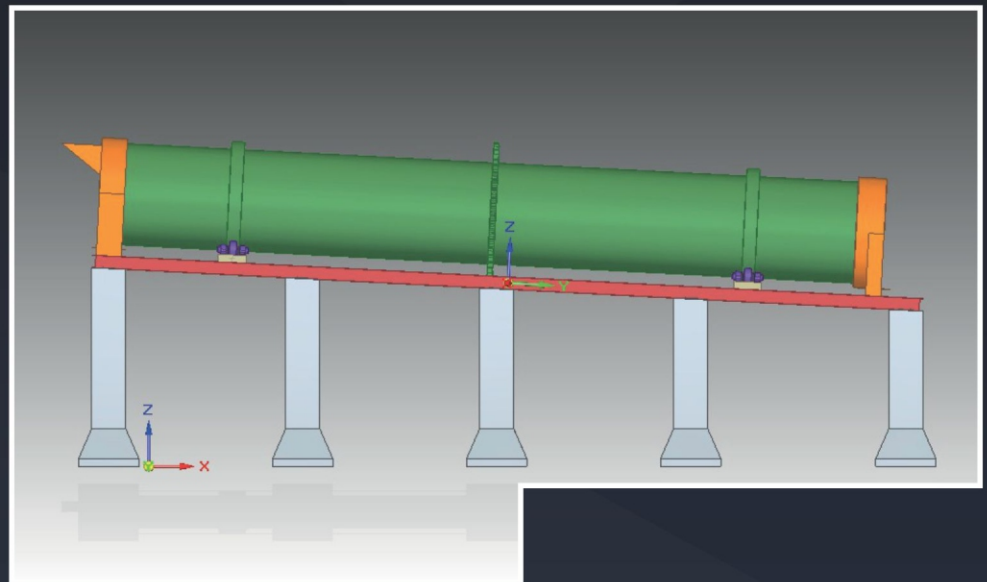
- Size: Dia X Length
- Capacity: 1 Tph To 70 Tph
- Specially Design For Maximum Heat Transfer Between The Material And Hot Air/Gas Stream.
- Heavy Duty Design And Construction
- Trusted Many Years Of Services
- Counter And Co-current Configuration
- De-dusting Equipment

> MATERIAL OPTION :

- Carbon Steel
- Mild Steel
- Stainless Steel
- Ms/ss Cladded

> VARIOUS TYPE OF FUEL :

- LDO/Diesel/FO
- Coal
- Wood
- Gas Fired (LPG/NATURAL GAS, PNG)



ROTARY DRYER



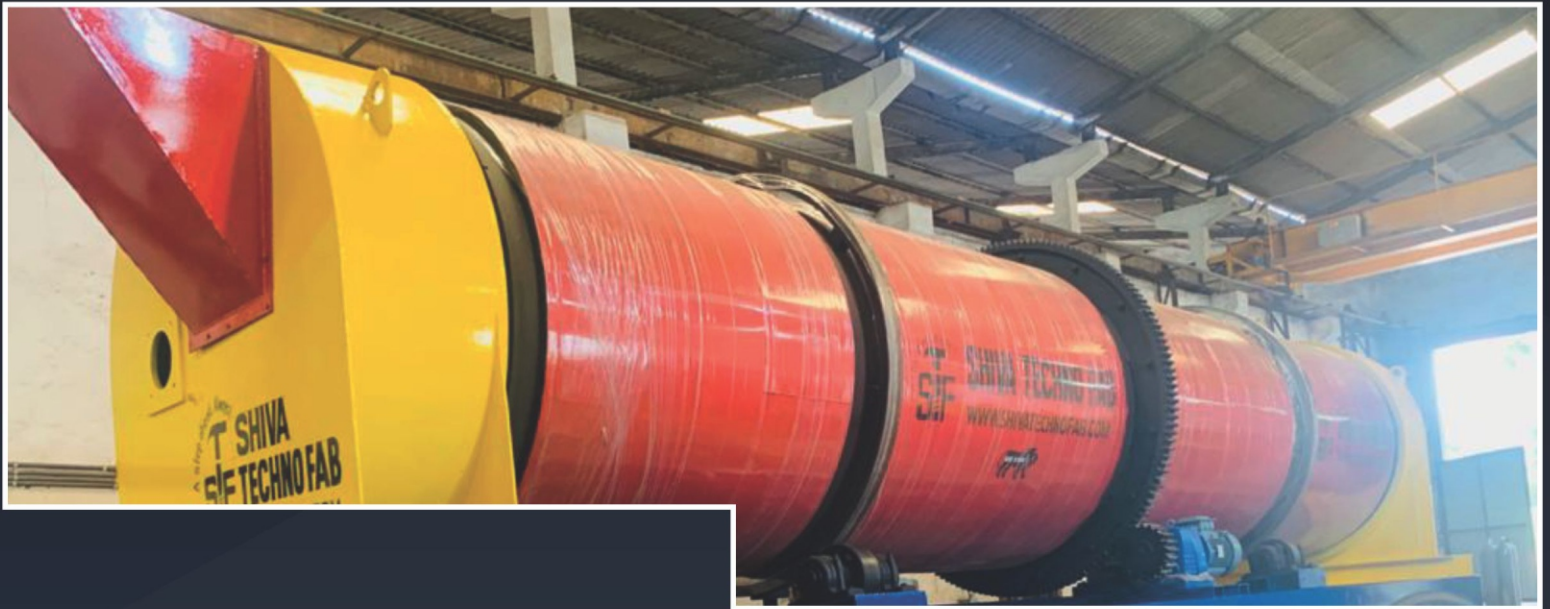
POND/FLY ASH DRYER



> POND/FLY ASH DRYER :

Shiva Techno Fab Is One Of The Leading Manufacturer And Supplier Of Pond/ Fly Ash Ash Dryer. Due To Business Trends, Public Scrutiny, Government Regulation, Water Constraints, Etc., Coal Power Plants In India And Overseas Are Endeavour To Eliminate Their Ash Ponds And Replace Them With Dry Solutions. If You're Considering A Transition From Wet To Dry Ash Handling, Shiva Techno Fab Will Facilitate.

Shiva Techno Fab Has Research And Technical Team, We Manufacture Fly Ash Drying Systems Which Is Custom-designed And Made As Per Customers Requirements.. Our Technical Team Considers All The Parameters As Like Area Specifications, Foundation, Electricity And Future Fuel Use, Storage Capability, Location, Etc.



POND ASH / FLY ASH DRYING SYSTEM

PRODUCT DESCRIPTION

SYSTEM INCLUDES :

> ROTARY DRYER :

Rotary Dryer Mainly Consist Of Shell (Drum), Inlet Hood, Outlet Hood, Girth Gear(En-9), Riding/tire Ring, Pinion, Trunnion Wheel, Thrust Roller, Transmission Assembly, Burner/Hot Air Generator, Induced Draft Fan, Raw Product Inlet Hopper, Product Discharge, Flights, Air Seals, Rav, Cyclone Separator, Aluminum And Cerawool Claddings.

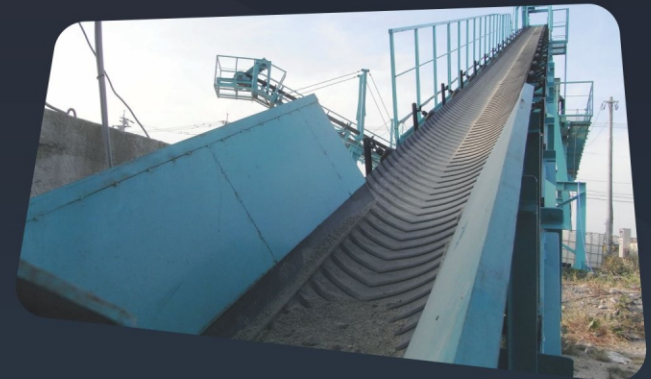


> FEEDING HOPPER :

Feed Hopper Is Designed According To The Pond/fly Ash Properties . For Making Smooth Discharge We Are Providing Aeration System & Vibrator System For Free Flow Of Material. From Feed Hopper There Is One Screw Feeder And Weighing Hopper Which Is Commanded Through Plc & Hmi. So The Exact Feeding Should Be Done To The Dryer.

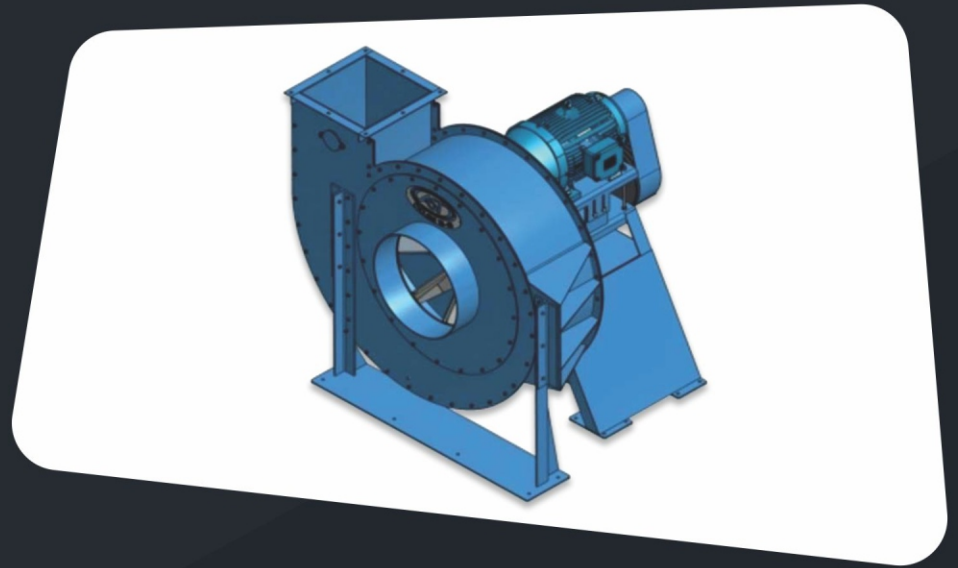
> BELT CONVEYOR :

For The Handling Of Wet Fly Ash We Preferred Chevron Belt Conveyor To Deliver The Wet Fly Ash From Feeding Hopper To The Input Of Dryer. Our Belt Conveyor Consist With High Quality Structural Design And Instrumentation Devices Such As Zss, Belt Sway, Pull Cord And Etc. Our Belt Conveyor Is Fully Covered With Aluminium Or Pvc Sheet To Control The Dust.



> INDUCED DRAUGHT FAN :

We Are Providing The High Efficiency Induced Draft Fan To Remove Moisture From The Dryer And Delivered To The Stack/chimney.



PRODUCT DESCRIPTION

> DUST COLLECTOR SYSTEM :

Pulse Jet Bag Filter / Pulse Jet Hose Bag Type Filters Are Known As Conventional De-dusting Filters. Shiva Techno Fab Has Developed New Age De-dusting Designs For This Filters Which Gives Better Life Of Filter Bags, Lower Emission Levels, Lower Pressure Drops, Lower Power Consumption, Higher Air To Cloth Ratios With Better Performance Levels, Lower Floor Space Requirement. Shiva Techno Fab Supplies Customized Bag Filters On The Bases Of Application Requirement. These Pulse Jet Bag Filters Are Used Where Air-flows Are In Large Quantity, Temperatures Are Higher Than Ambient Or Material To Be Handled Is Difficult.



The Original Concept Of Fabric Filtration Started Over Century Back & Is Still Valid & Very Practical, For Separation Of Solids From Air/ Gas Stream. Tubular Filter Fabric (Woven & Non-woven) Hose Bags Are Widely Employed World Over, Vertically Placed Within A Housing. For Preventing Collapse Under Vacuum Or Pressure, These Bags Are Retained By Metal Cages Fitted With Venturies.

> COAL FIRED DIRECT HEATING SYSTEM :

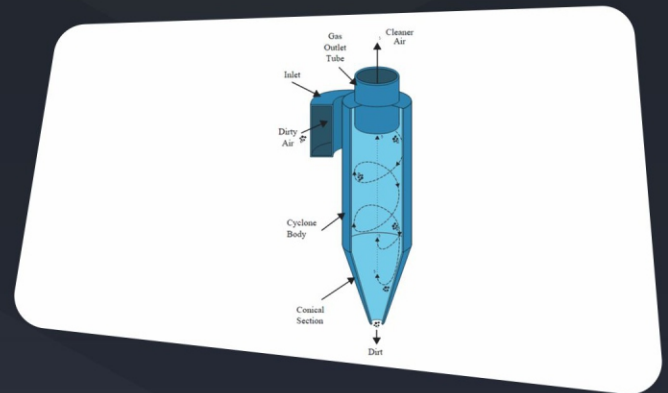
For The Heating Medium We Gives Hot Air Generator Along With Rotary Dryer System. We Select P.A Fan, Fd Fan, S.F.D Fan According To Plant Location Humidity And Weather. Cause Of That We Gain Up To 90% Efficiency In Our Hot Air Generator.

In Hot Air Generator Fluidized Bed Should Be There. In This Bed Coal Will Spray By Nozzle In The Combustion Area And It's Create Temperature In Hot Air Generator.produced Air Will Be Transfer In To The Rotary Dryer Inlet. We Provide Instrumentation Devices Like Rtd Sensors,dilution Damper, Screw Feeder(For Proper Feeding Of Coal Into The Heating Furnace) For Better Efficiency.



> CYCLONE SEPARATOR :

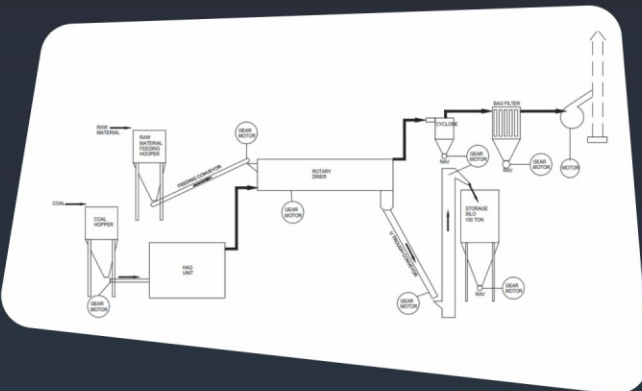
It Is A Dust Collecting System With Cyclonic Waves As Name Resembles It Creates Cyclonic Current To Separate Light Air To Id Fan And Dust To Lower Bottom Collection System Through Rotary Air Lock Valve



> Uses Of Fly Ash

The Major Uses Of Fly Ash Are Listed Below,

- Used In The Manufacture Of Portland Cement.
- Used As A Soil Stabilisation Material.
- Used In Roller Compacted Concrete Dams.
- Used In The Manufacture Of Fly Ash Bricks
- Used In Making Building Material Such As Dry Mortar, Block Jointing Mortar, Ready Mix Plaster, Tile Adhesive & Grout And Etc.





SAND DRYER



> SAND DRYER :

Shiva Technofab Is Well Known Brand Of Manufacturing Best Quality Industrial Dryer Since 7 Years And Our Dryer Is Specially Design By Customer's Requirement. Our Dryer Is Mostly Use In Various Industrial And Construction Categories. The First Step In The Processing Of Sand, Gravel And Aggregates After Mining Is A Washing And Classification Process. The Material May Be Screened And Stored But At Some Point Moisture Content Needs To Be Reduced To Meet A Specification Required For Sale Or Further Processing. Operating A Sand Dryer To Dry Your Mineral Product Is Frequently The Greatest Operating Expense In Your Process And Therefore With Proper Planning Can Be Your Greatest Cost-saving Opportunity. sand Dryer Are Used For Drying All Kinds Of Sand Such As River Sand, Yellow Sand, Silica Sand, Quartz Sand, Garnet Sand, Slag Sand Etc.

> CONSTRUCTION OF SAND DRYER :

Rotary Dryer Mainly Consist Of Shell (Drum), Inlet Hood, Outlet Hood, Girth Gear, Riding/Tire Ring, Pinion, Trunnion Wheel, Thrust Roller, Transmission Assembly, Burner/Hot Air Generator, Induced Draft Fan, Raw Product Inlet Hopper, Product Discharge, Flights, Air Seals, RAV, Cyclone Separator, Aluminum And Cerawool Claddings.



SAND DRYER

> SAND DRYER WORKFLOW :

Belt Conveyor Or Bucket Elevator Transports The Wet Sand From The Feeding Hopper To The Sand Dryer. From The Same Direction hot Air Furnace/burner Supplies The Hot Air Into Sand Dryer. Inside The Sand Dryer There Are Many Flights, And These Flights Mix The Wet Sand And Hot Air Sufficiently. The Humidity In The Wet Sand Is Heated And Evaporated Into Water Vapour. At The End Of The Sand Dryer, There Is One High Induced Draft Fan Which Remove The Water Vapour From Sand Dryer To The Stack/chimney.

During The Sand Drying Process, There Is Some Dust Mixed With The Water Vapour, So We Provide Cyclone Separator To Remove The Dust From Water Vapour And Falls Down. At The Outlet Of The Dryer We Provide Rav For Easy Extraction For Final Product. Finally We Can Use One Belt Conveyor Or Bucket Elevator To Send The Dry Sand Into Silo Or Packages.

> SAND USES IN INDUSTRIES :

This Sand is Used For Road Construction, And In The Production Of Construction Materials Like Concrete Blocks, Bricks, And Pipes, Making Tile Adhesive, Tile Grout, Ready Mix Plaster, Dry Mix Mortar, used To Make Glass As Foundry Sand And As Abrasive Sand And Many More.



TRIES



MINERAL DRYER



> MINERAL DRYER :

Shiva Techno Fab's rotary Dryer, A Reliable And Low-maintenance Machine For High Through Out Rates Can Handle Even Materials With Difficult Properties. Whether Installed As A Stand-alone Unit Or In Conjunction With Other Machines, Rotary Dryers Are Ideal For Drying – And Optionally For Preheating/pre-treating Fine-grained And Lumpy Materials.

Minerals Are Very Specific Industries. They Always Want Best Quality Products Output, Though The Specifics Of Mineral Extraction Can Vary By Location. Our Dryer Is Sorting Out All Ranges Of Moisture Content As Well As We Know About Your Product Strength And Capabilities So We Very Well Known About Output Best Quality Minerals.

Our Mineral Dryer Is Compact, Efficient, And Clean-running, Our Rotary Dryers Build It Simple For Operators To Show Out A Homogenous Product Whereas Minimizing Environmental Impact. Our Systems Are Proven Performers, And Our Team Is Active From Manufacture To Start Out Up And On The Far Side. we Assist You Recover Your Mineral Wastes And Switch Them Into A Valuable Resource. SHIVA TECHNO FAB Drying Systems Can Increase Your Bottom Line And Give You Best Quality Output.



MINERAL DRYER

> USES OF MINERALS DRYER :

Shiva Techno Fab's Dryer Provides You To Mineral Dryers For Drying Various Kind Of Mineral. It's Help To You For Better Quality And Fast Production Output. In Our Mineral Dryers You Can Dry Clay, Chalk, Limestone, Dolomite, Brick Clay, Gypsum, Bentonite, Fuller Earth, China Clay, Ggbs (Ground Granulated Blast Furnace Slag) And Many More.

> APPLICATION OF MINERALS :

The Term 'Construction Minerals' Is Used To Describe All Minerals Used By The Construction Industry, For Example In Road Making, In Concrete, In House Construction And As Railway Ballast. The Largest Component Of Construction Minerals And The Most Voluminous Materials Extracted. a Term Used To Describe Granular Or Particulate Material Which Is Suitable For Use On Its Own, Or With A Binder Such As Cement, Lime Or Bitumen (In Construction). Aggregates Are Used In Concrete, Mortar, Roadstone Or Asphalt (Drainage Courses), Or For Constructional Fill And Railway Ballast. The Two Principal Types Of Natural Aggregate Are Crushed Rock (Limestone, Igneous Rock And Sandstone) And Sand And Gravel. In Addition To Land-won Sand And Gravel, Significant Quantities Are Produced By Marine Dredging. Other Minerals Used In The Construction Industry Are Clay, Chalk, Limestone, Dolomite, Brick Clay, Gypsum, Slate And Building Stone.



BIOMASS DRYER

> BIOMASS DRYER :

Shiva Techno Fab Is One Of The Leading Manufacture In Biomass Dryers In Domestic And International Markets. Shiva Techno Fab's Biomass Dryer Uses For Drying Sawdust, Wood Chips, Bagasse, Sludge, Agro Waste And Many More. biomass, The By-product Of Pulp And Paper, Agriculture, And Municipal Sludge, Is Probably The Oldest Supply Of Renewable Energy On Earth. Biomass' Use In Energy Production Is Presently Growing Worldwide At Associate In Nursing Exponential Rate. The Demand Is Gift And With Multiple Challenges Related To Drying Biomass Which Require To Be Mitigated, It's Good To Trust The Consultants At Shiva Techno Fab Systems.

> APPLICATION :

Dry Biomass Provides Considerable Benefits For Combustion, Such As Increased Boiler Efficiency, Lower Flue Gas Emissions And Improved Boiler Operations, Compared To Fuels With High Moisture. Drying Is However An Energy-intensive Pre-treatment.

> USES :

Briquette & Pallet Manufacturing
Municipal Waste & Treatment Plant
Fertilizer Manufacturing Unit





DRY MIX MORTAR PLANT



INTRODUCTION OF DRY MIX MORTAR PLANT

➤ Shiva Techno Fab Since Working With 7years Experience In Domestic And International Market With Vast Range Of Products Like Drying, Classifying, Crushing, Milling, Grading And Material Handling Equipments In Major Range Of Applications Or Industries. We Have Grasp Power Of Technology And Always Keen & Welcoming New Technologies. Now We Are Starting And Introducing Our Valuable Product – Dry Mix Mortar Plant/ Ready Mix Mortar Plant.

➤ APPLICATION OF DRY MIX :

- > Dry Mortar
- > Block Jointing Mortar
- > Tile Adhesive
- > Ready Mix Plaster
- > Tile Grouts
- > Wall Putty
- > Floor Levelling
- > Masonry Mortars
- > Water Proofing
- > Repair Mortars
- > Plaster Or Renders

➤ MANY OTHER CONSTRUCTION APPLICATIONS :

- > Proprietary Adhesive & Mortars For Aerated Concrete
- > Glue Mortar For Ceramic Wall Tiles
- > Masonry Mortar
- > Skim Coat

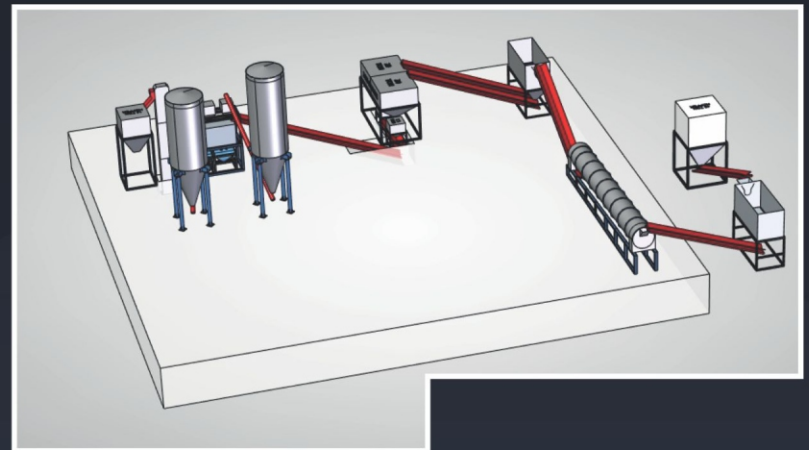
- > Inside Plaster
- > Outside Stucco
- > Concrete
- > Floor Screed Benefits For The Builder

➤ Usage For Many Kinds Of Construction Material, Such As Autoclaves Aerated Concrete (Aac), Rock, Calcium Silicate Bricks, Masonry Blocks, Tiles, Block Joints, Etc.

➤ Application Manually Or With Rendering / Plastering Machines

➤ WHAT IS DRY MIX PLANT....?

Dry Mix Mortars Are Construction Materials Mainly Comprising Of Cement, Sands, Fly Ash And Chemical Additives Precisely Weighed And Mixed In A Factory. This Mix Is Termed As Mortar And Is Packed In Bags. Several Types Of Mortars Can Be Formulated In A Dry Mix Plant Such As Ready Mix Plaster, Tile Adhesive, Jointing Mortars, Wall Putty Etc.. Advantages Are Consistent Quality, Controlled Inventory, Savings In Time And Labour Costs.



DRY MIX

..... MATERIAL HANDLING EQUIPMENTS

> We Want All Our Machinery And Facilities With Quick And Automatic System And We Create With Help Of Material Handling Equipment Such As Belt Conveyor, U Trough Screw Conveyor , Screw Conveyor, Bucket Elevator.

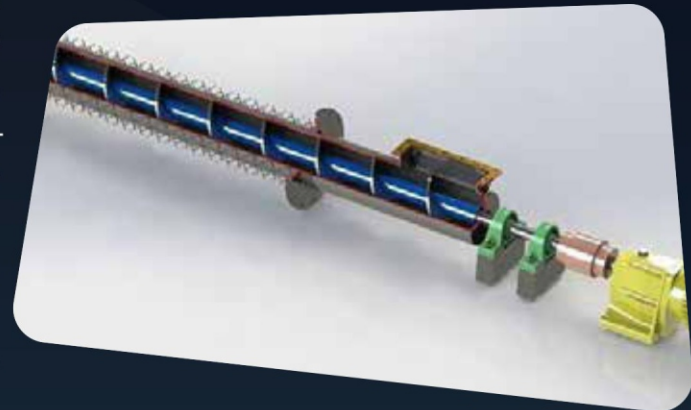
> BELT CONVEYOR :

We Want All Our Machinery And Facilities With Quick And Automatic, And We Create With Help Of Material Handling Equipment As Like Belt Conveyor. Belt Conveyor Is Mostly Use In Every Industry. For Fully Automatic Machinery Or Systems We Required Belt Conveyor, Our Belt Conveyor Has The Features Of Large Conveying Amount, Simple Structure, Easy Maintenance, High Standardization Degree, Etc. Belt Conveyor Is Widely Used In Mining, Metallurgy, Coal And Other Industries. belt Conveyor Can Be Used To Transfer Bulk Materials Or Materials In Pieces. According To Different Transferring Requirements, The Transferring System Can Be Of Only One Belt Conveyor Or Consists Of Several Conveyors, Or Combined With Other Transferring Equipment. The Belt Conveyor Can Be Installed Horizontally Or Aslope To Meet The Needs Of Different Transferring Requirements.



> U TROUGH SCREW/SCREW CONVEYOR :

SHIVA TECHNO FAB Providing Best Quality Material Handling Equipment Such As Belt Conveyor, Screw Conveyor, Bucket Elevator And More For Continuous Process And We Manufacturer Customized Screw Conveyor As Per Industry Requirements. We Manufacturer And Suppliers Of Best Quality Products In Engineering Field. SHIVA TECHNO FAB Is One Stop Solutions For Evolutionary Products With Latest Technologies And Innovations. screw Conveyor Is Made Up From Ss And Ms Material. Screw Conveyors Are Also Present In Food Processing, Chemical Processing, Minerals Processing, Starch Products And More. They Are A Tool Of Choice In Powder Processing, When It Comes To Convey Or Dose Precisely Bulk Solids (Powders, Pellets.) A Flexible Screw



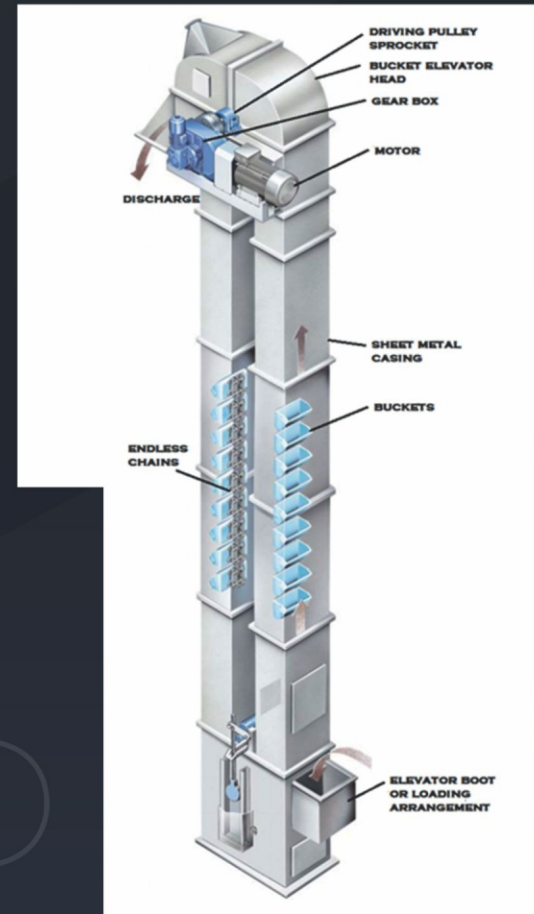
Conveyor Works By Using The Internal Friction Within A Powder Or Bulk Solid To Transfer The Forward Motion Of The Powder In Contact With The Spiral To The Whole Tube Contents. With An Angled System, A Dynamic Equilibrium Is Set Up With The Spiral Action Moving Some Particles Upwards. screw Conveyors Can Be Operated With The Flow Of Material Inclined Upward. When Space Allows, This Is A Very Economical Method Of Elevating And Conveying. As The Angle Of Inclination Increases, The Capacity Of A Given Unit Rapidly Decreases.

> **BUCKET ELEVATOR :**

Bucket Elevator Is One Vertical Lifting Machine For Fine Powder And Granular Material. bucket Elevators are Characterized By Large Conveying Volume, High Lifting Height, Stable Driving, Easy Operation And Maintenance And Long Service Life Etc. It's Suitable To Convey Powder, Grain And Small Lump Material, Such As Coal, Cement, Block, Sand, Clay And Iron Ore, Etc.

> **BUCKET ELEVATOR FEATURES :**

- Wide Application For All Kinds Of Powder And Granular Materials
- Good Sealing Level, Less Environment Pollution
- Energy Saving
- High Lifting Height
- Advanced Technology And Design
- Stable Operation, No Failure Running More Than 20000 Hours



EQUIP
MENTS



SEPARATION UNIT



> VIBRATING SCREENING MACHINE :

Vibrating Screens Are The Most Important Screening Machines Primarily Utilised In The Mineral Processing Industry. They Are Used To Separate Feeds Containing Solid And Crushed Ores And Are Applicable To Both Perfectly Wet And Dried Feed. The Frequency Of The Screen Is Mainly Controlled By An Electromagnetic Vibrator Which Is Mounted Above And Directly Connected To The Screening Surface. Its High Frequency Characteristics Differentiate It From A Normal Vibrating Screen. The High Frequency Vibrating Screens Usually Operates At An Inclined Angle.

Shiva Techno Fab's Vibrating Screen Machine Fall Under Two General Categories: Dry Screening And Wet Screening. From These Categories, Screening Separates A Flow Of Material Into Grades, These Grades Are Then Either Further Processed To An Intermediary Product Or A Finished Product. Additionally The Machines Can Be Categorized Into Moving Screen And Static Screen Machines, As Well As By Whether The Screens Are Horizontal Or Inclined. screening Is Used To Make A Final Separation To Produce Sale Able Products Based On A Grade Or A Size Range. A Screening Machine Consist Of A Drive That Induces Vibration, A Screen Media That Causes Particle Separation, And A Deck Which Holds The Screen Media And The Drive And Is The Mode Of Transport For The Vibration.

> ROTARY SCREENING MACHINE :

A Rotary Screen, Also Known As A Trommel Screen, Is A Mechanical Screening Machine Used To Separate Materials, Mainly In The Mineral And Solid-waste Processing Industries. It Consists Of A Perforated Cylindrical Drum That Is Normally Elevated At An Angle At The Feed End. Physical Size Separation Is Achieved As The Feed Material Spirals Down The Rotating Drum, Where The Undersized Material Smaller Than The Screen Apertures Passes Through The Screen, While The Oversized Material Exits At The Other End Of The Drum. Rotary Screens Can Be Used In A Variety Of Applications Such As Classification Of Solid Waste And Recovery Of Valuable Minerals From Raw Materials. Rotary Screen Come In Many Designs Such As Concentric Screens, Series Or Parallel Arrangement And Each Component Has A Few Configurations. However Depending On The Application Required, Rotary Screens Have Several Advantages And Limitations Over Other Screening Processes Such As Vibrating Screens, Grizzly Screens, Roller Screens, Curved Screens And Gyratory Screen Separators. The Screen's Aperture Comes In Either Square Or Round Shape Which Is Determined By Many Operating Factors Such As:

- The Required Dimension Of The Undersized Product.
- The Aperture Area. Round Aperture Contributes To A Smaller Area Than Square-shaped One.
- The Magnitude Of The Agitation Of Product.
- Clean-up Of Drum.



SEPARATION UNIT



MIXING UNIT



We Are Engaged In Manufacturing, Supplying And Exporting Of A Wide Range Of Mixing Equipment / Machinery. Under This Category We Offer A Range Of Products That Includes Ribbon Blender, Plough Shear Mixer, Pan Mixer And Many More. All The Machines Offered By Us Are Designed And Manufactured Using High Quality Raw Material And Components. Our Customers Can Also Avail From Us A Wide Range Of Customized Versions Of These Products Made In Accordance To The Clients' Specifications. Quality And Efficiency Are Critical When It Comes To Mixing Operations In A Bioprocessing Environment, And The Choice Of Mixing Equipment Can Dramatically Affect Both. In Fact, A Fast And Flexible Single-use Mixer Can Be A Competitive Advantage, Helping Manufacturers Maximize Throughput And Increase The Production.



MIXING UNIT

> **RIBBON BLENDER :**

Shiva Techno Fab's Ribbon Blenders Is Design To Provide High Mixing Efficiency, Blending Small Proportions Into Large Stocks. It Is Primarily Designed For Use With Dry Materials, Although Gas And Liquid Streams Can Also Be Introduced. A Wide Variety Of Configurations, For Either Batch Or Continuous Mixing, Are Available. Application Specific Rotor Mixing Element Design Allows Shorter Batch Cycle Times Due To Increased Mixing Efficiency. Efficient Mixing Also Provides Good Heat Transfer Through Optional Asme Code Designed Jackets For Heating Or Cooling Applications. The Compact And Robust Construction Dust Proof Operation Ensures Their Negligible Running Costs. We Can Offer These In Various Customized Sizes/finishes. We Provide Customized Design Of The Ribbon Blender To Meet Your Specific Mixing Requirements. The Classic Ribbon Blender Serves Multi-purpose Uses In The Manufacture Of Construction, Food, Beverage, Pharmaceutical, Cosmetic, Chemical, Plastic, Agricultural And Other Products.



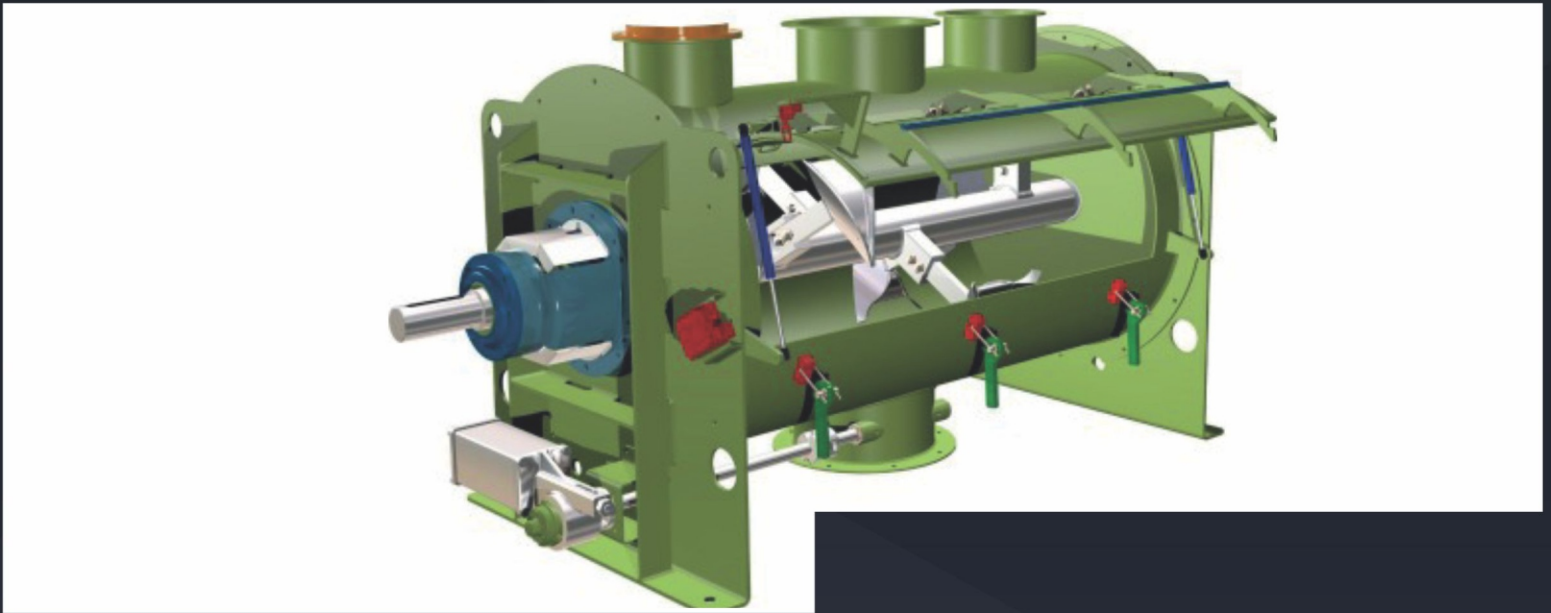
> **PAN MIXER :**

We Have Been Offering Premium Quality Equipment To Our Clients Over A Span Of Time. This Has Been Possible Only Because Of Our Strict Quality Measures Which Make Us Different From Others. Shiva Techno Fab Offers You A Comprehensive Range Of Pan Mixers. These Are Solidly Built With Heavy Steel Bottom And Rollers With Hydraulic Door Open. The Machines Have The Capacity To Finely Pulverize And Blend Materials Such As Cement, Fly Ash And Small Granules. The Machine Can Be Relocated Easily. These Mixers, Further Offer Smooth Operation And Long-lasting Performance. Innovation Is Our Forte And We Strive To Design And Develop Concrete Pan Mixer. Quality Components And Advanced Technologies Are Widely Implied By The Experts Of Our Firm In Manufacturing These Mixers.



> PLOUGH SHEAR MIXER :

Shiva Techno Fab's Plough Mixer Consists Of Horizontal & Cylindrical Drum Vessel, Plough Shaped Shovel Agitator, Drive Unit And Chopper. The Mixing Elements Create A Mechanical Fluidized Bed Mixing Actions To Hurl Materials Away From The Wall Of Vessel Into Free Space In Crisscross Direction And Inversely Back Again. A Fluid Bed Generated Mechanically In This Way, Whereby The Raw Material Is Constantly Involved In The Mixing Process, Ensures Maximum Mixing Intensity At Even The Highest Feed Rates And Shortest Residence Times And Allows Addition Of Liquids. The Ploughshare Mixer Guarantees Extremely High Performance And Fully Optimized Processes To Adapt Specific Mix. Plow Mixer Has Very Fast Mixing Speed To Get Ideal Mixing Homogeneity In Very Short Time And Can Also Be Used To Solve Multiple Applications Including Mixing, Coating, Reacting In One Single Machine. In Order To Meet Big Capacity Requirement, We Can Also Design Batch And Continuous Mixing Process For Client.



> FEATURES :

- Perfect Mixing Result Within Short Mixing Time
- High Speed Chopper For De-agglomeration
- Multiple Mixing Elements Design
- High Shearing Mixing In Movement Zone
- Heating/Cooling Jacket And Vacuum Design Is Optional
- Heavy Duty Work For Complex Materials
- Flexible Design For Different Applications And Industries
Batch Or Continuous Process
- Centre Or Big Bomb-bay Discharge Valve Is Optional

> APPLICATIONS :

- Dry Powder
- Dry Powder With Liquid Additives
- Slurry
- Paste And Wet



SERVICES



> AFTER SALES AND MAINTENANCE

> MORE THAN MANUFACTURING AND DESIGN :

When Your Shiva Techno Fab Plant & Machinery Gets To Your Worksite, Our Work Does Not Finish. Our Engineers Can Still Work Hand In Hand With You And Your Team To Assist Keep Your Unit In Operation At Its Best.

> ADDITIONAL OPERATOR TRAINING :

Our Engineers Will Be On Site To Give A Proper Training For The Functioning Of The Units So That Your Workers Operate The Units In A Right Way To Avoid Errors And Down Time.



> ENGINEERING AND DESIGN

> BASIS OF DESIGN DOCUMENTS :

The Basis Of Design Is Wherever Your Project Launches. Our Engineering Employees Will Place Along An Inspiration, From Feed Handling To Discharge, To Induce You On The Way To Making Your Project Come To Life.

> PROCESS FLOW DIAGRAMS :

After The Premise Of Design Is Complete, A Process Flow Diagram (Pfd) Shows However The Total System, Equipment, And Processes, Interconnect And Work Along As An Entire



..... INSTALLATION & MAINTANCES

In Order To Ease The Transition From Manufacturer To Client, Our Team Of Knowledgeable Engineers Works Along With Your Workers On The Site With Successfully Install And Commission Your Plant & Machinery.

Commissioning Is That The Method Of Corroborative That All System Parts Of A Shiva Techno Fab Are Designed, Tested, Installed, And In Operation Per Manufacturer Standards, Client Standards, And Environmental Rules. Whereas This Method Is Usually Utilised Once A New System Is Installed In Its New Premise, Commission Could Be A Service Which Will Even Be Provided Per Client Request.

Shiva Techno Fab Services Begin Long Before The Commission Process Begins. Shiva Techno Fab Workers Will Be There On Site Throughout Set-up And Installation As Well, Direction And Making Sure That Each Part Of The System Is Properly Set Up. As Every System Is Different As Every Client Wants And Specifications Are Different, These Services Are Integral To The Longevity Of The Machines, As It Ensures That The Machine Is Not Only Set-up Properly, But That The Machines Meets Shiva Techno Fab's High Standards.

WHAT MAKES OUR TESTING CENTER UNIQUE?

Exceptional Client Service, In Depth Experience, Product Ingenuity, And Designed Solutions Are What You'll Expect Whereas Visiting The Shiva Techno Fab Pilot Testing Facility.

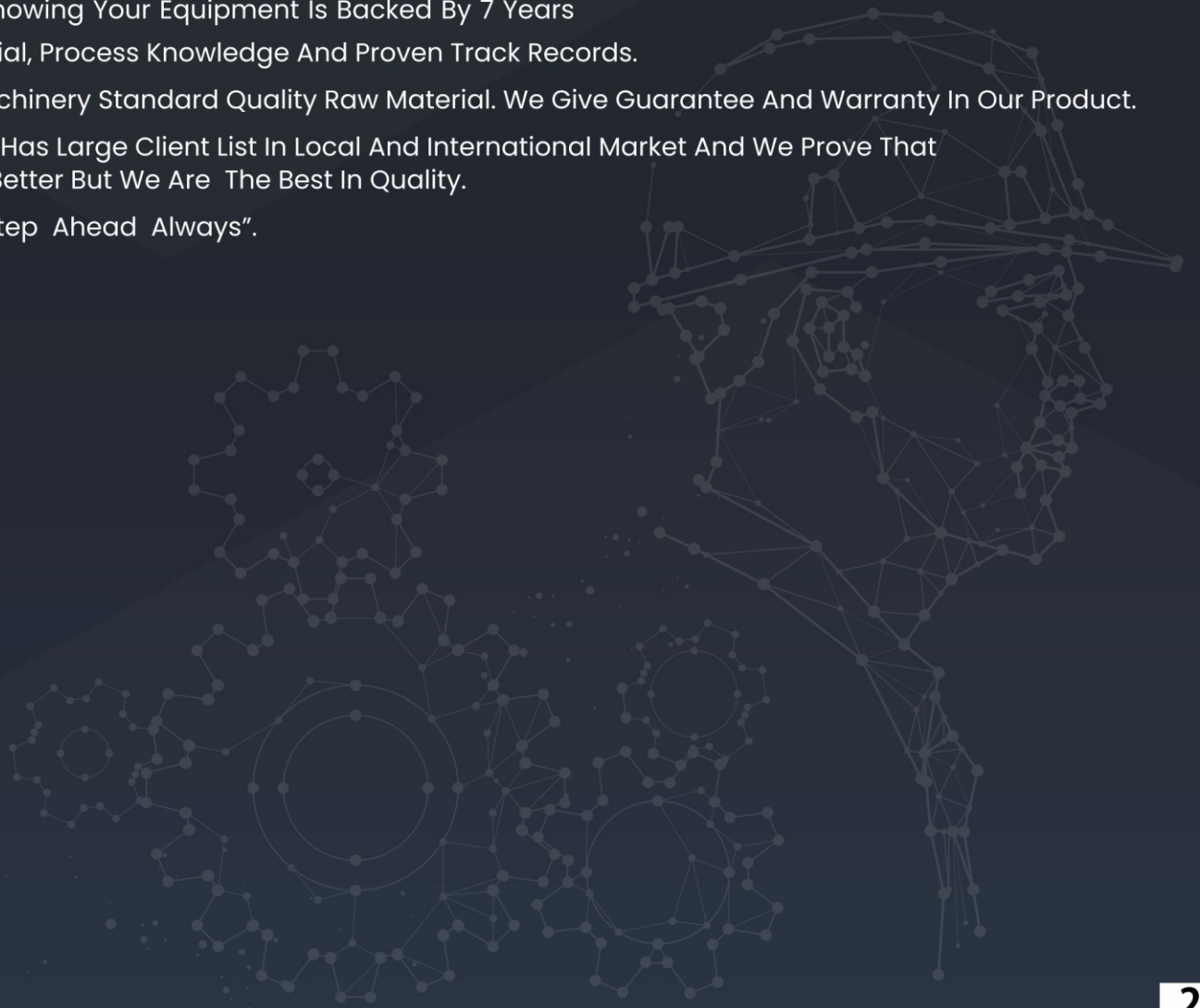




WHY SHIVA TECHNO FAB



- We Have 7 Years Experience In Domestic And International Market. We Work With Major Brands.
- Our Machines Requires Very Low Maintenance Cost.
- We Have Vast Range Of Products.
- We Have Expertise Engineers Team Who Has Lots Of Experience In This Field.
- We Have Focus Only On Best Product Quality And Best Product Service.
We Are Well Knowing About Your Requirements.
- The Best Part Of Shiva Techno fab's Product Is That You Get Security Of Knowing Your Equipment Is Backed By 7 Years Experience, Material, Process Knowledge And Proven Track Records.
- We Use In Our Machinery Standard Quality Raw Material. We Give Guarantee And Warranty In Our Product.
- Shiva Techno fab Has Large Client List In Local And International Market And We Prove That We Are Not Even Better But We Are The Best In Quality.
- Our Motto Is "A Step Ahead Always".





SHIVA TECHNO FAB TM
ISO 9001 : 2015

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