



# بيرفكت للخدمات التقنية

## PERFECT TECHNICAL SERVICES

*Our Specialized Services are:*

- \* *Fabric and steel cord conveyor belt splicing and hot & cold vulcanization services*
- \* *Drum pulley rubber lagging services*
- \* *Inner surface rubber lining services*
- \* *Electric motor rewinding and repairing services*
- \* *Engineering services.*

*24 Hours Services*



Established in 2005, we are one of the leading organizations in UAE for fabric and steel cord conveyor belts maintenance services, Electric motor rewinding and repair services. Our organization comprising of highly qualified and experienced professionals with local and International industry experience, is aligned and committed to providing technically excellence, on time project completion and warranty services to our clients.

## Marine And Industrial Electric Motor Rewinding & Repairing And Services

### Perfect Technical Services - The Experts of Electric Motor Repair and services

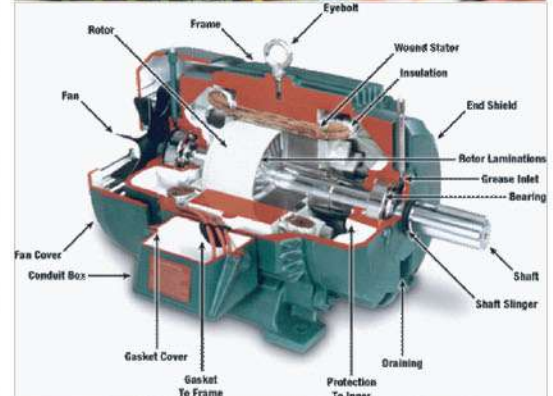
Owing to our countable experience of the industry, we have been able to provide a range of Repairing and Rewinding Services to our clients. Congruent with industry laid guidelines, they are equipped with tools and machinery and also highly trained to meet the specific needs of the customers. Superior-grade raw-materials are obtained from the most authorized vendors in the industry. Our team makes use of advanced technology and high grade trainers to provide the services blissfully.

### Electric Motor Repairing Services

1. The motor is received into the shop and test run. The winding will be tested for possible problems; vibration base lines will be run and recorded. If motor is unable to be run it goes to next step.
2. The motor will then be disassembled. All parts will be thoroughly cleaned and inspected for electrical or mechanical wear or damage.
3. If the winding passes all electrical tests, it will be hydro-cleaned, baked dry then dipped and baked in a high temperature "class H" insulating varnish.
4. The ID of the end bell bearing housings and the OD of both shaft bearing journals are measured to ensure ABMA tolerance and repaired if necessary.
5. The output shaft will be checked for straightness, condition of the keyway, and proper size and repaired if necessary.
6. The rotor will be dynamically balanced to meet NEMA tolerances.
7. The bearings will be replaced with new, high precision, class C-3 bearings. After all the above described work has been completed, the electric motor will be reassembled, painted and test run on its rated voltage to assure proper operation, a final vibration will be run and recorded.

### Electric Motor Rewinding

1. To facilitate the removal of the damaged windings, it is typical to cut off one end of the coils before placing the unit in the roasting oven. In addition to all nameplate data the dimensions and the shape of the coil ends being cut off are measured and recorded.
2. The windings are prepared for removal from the core using a controlled heat, roasting oven. For cast iron or steel frame motors the core temperature does not exceed 650 degrees F.
3. When a stator is to be rewound, two core loss tests shall be made, one before and one after passing through the roasting oven.
4. New coils are manufactured using only new copper wire of the correct dimension and dielectric coating specification. They are then inserted into the core, insulated in high temperature varnish, and tested to assure quality.



## Conveyor Belt Hot And Cold Vulcanization

### PTS - The leaders of conveyor belt splicing and services.

Every conveyor & elevator belts to be joined with mechanical fasteners or a vulcanized splice. Vulcanized splice is widely recommended as it lasts longer than type of fasteners. It develops nearly the strength of the belt itself. It forms smooth endless bend and travels smoothly over idlers and terminal pulleys reducing idler and pulley wear. Economical on maintenance and clearing, by preventing spillage through fastener gaps. Protects the joint from moisture whereas faster becomes rusty and loses its strength. In short, jointing by vulcanized splice increases the life of belt and smoothens the performance of the belt. Vulcanized splice is not recommended where frequent extension or retraction of lengths of belts are made. Inadequate take-up has been provided and where the belt is being used continuously and it is not possible to stop it long enough to allow a splice to be made. We pts also specialize in vulcanizing, splicing and repairing of any type of conveyor & elevator belts. These services are also provided on-site with special care & attention by outstanding team.

## Drum Pulley Rubber Lagging

Perfect Technical Services Pulley Lagging can be done in place, on site, at your local distributor or at the pulley manufacturer depending on the convenience and requirement. Conveyor Belt when slips cause significant damage to the drive pulley and the belt. Such damages are not only expensive to repair, but also time consuming and cause enormous loss due to down time. The life span of a conveyor system primarily depends on its being suitably equipped for the specific application and the standard of servicing and maintenance. The conveyor systems often have to perform in the most difficult conditions. For example rain and sludge, which cause slippage between the conveyor belt and pulleys because of the friction co-efficient between the two going down very low. Pulley Laggings, with specially developed rubber materials and their patterned surfaces have proved to be very effective in water shedding, preventing material build up and controlling belt slippage.

" Improved drive performance, increased conveyor belt and pulley life- Reliable and economical pulley lagging.

" Reduces wear from abrasive materials.

" Prevents belt slippage by increasing the coefficient of friction between the conveyor belt and the pulley

" Creates a self-cleaning action on the pulley surface and prevents the buildup of transported bulk material, water, snow or ice.

## Our Engineering Services

we use engineered products and services to provide our customers with the best solutions to their conveyor material handling applications. We are focused on developing cost effective and technologically advanced products, specifically designed for optimum conveyor performance. We can provide you with custom engineering and design to meet your specific conveyor needs, along with installation and maintenance programs that will streamline your operation by increasing production up time and lowering costs. Together we are part of a coordinated implementation team focused on insuring your success.





## Bulk Handling Conveyors

We are involved in manufacturing a large assortment of the Bulk Handling Conveyors, which are used as material handling equipments. These products are widely utilized to store, load, convey, unload and reclaim various bulk materials such as coal, chemicals, cement and many more. Moreover, our products are manufactured using high class raw materials obtained from the reliable vendors. Thus, we offer these products at reasonable prices to our clients.

Manufacturing of crushing equipment as per customer specifications and we undertake fabrication, design, erection and commissioning of crusher plants and equipments. Commissioning is done under the supervision of consultants.

Features:

- " Client Friendly
- " Custom Made
- " Easy to Use
- " Excellent Functionality



## Drum Pulleys:

We are providing Conveyor Pulleys that are appreciated by the clients for continuous operation, increased bearing life and less power consumption. In order to offer quality Conveyor Pulleys, we use heavy tubes fabricated from steel plates to manufacture the shell. Further, the pulley shafts are made up of carbon steel machined with proper bore and key way. We are also capable of

offering taper lock bushings along with our range of Conveyor Pulleys. The pulley drum is grooved with rubber lagging properly to resist slippage and the shafts are equipped with anti-friction self-aligning ball bearings



Furthermore, our company also undertakes annual job contracts for Conveyor Belt fabric & Steel Cord Belt Joining, Pulley Lagging and electric motor rewinding. Keeping in mind the complete convenience of customers, our specialist service engineers and technicians are always available on your call.