

ÖZGÜR
MOTOR & GENERATÖR

www.ozgurbobinaj.com.tr

History

Our company has founded at 1989 for repairing, rewinding and maintenance of industrial rotating machines in Istanbul our workshop.

Our base has mowed at 2016 to Dilovası Organized Industrial Zone with a facility of 3660 m2 closed area plant. In our unique workshop we have our test shop with all necessary testing tools and trained & experienced engineers and technicians which is one of most modernized facility of our region. We have also using our experience at the field service operations.

Our plant has 104 tons lifting capacity.

We have modernized varnishing system with a dimension of 6*6*5,5m. Our system has 2000lt of vacuum varnish tank where we use pressure spray or/and immersion systems with filtered ventilation.

More than fifty personnel working day&night to meet the demand of our domestic and international customers.

OZGUR MOTOR AND GENERATOR is now one of the leading companies in our region applying advanced technology to improve the maintenance and repair of low/mid voltage electrical rotating machines for over thirty years at our work shop and at site.

With this unique investment, we are honoured and happy to serve as the largest enterprise in our sector at our region.

Since 1989

WE CONSIDER OURSELVES AS YOUR SOLUTION PARTNER

Mission

- An organization that adds value to its own sector with its innovative solutions
- Sincere and honest approach to our solution partners
- Provides high quality services with its expert staff
- Sensitive testing equipment
- Modern machinery and equipment

We work fast and customer focused solutions for repair and maintain all kind of industrial rotating electrical machine (AC, DC, MV and LV); workshop base and/or at site.

Our Quality

Our aim is continuously to improve our service quality with our technical team and equipment.

Customer satisfaction and demands is our main goals and we continuously change ourself through customers.

We have proudly present our national and international accreditations quality assurance and quality check documentations along with AKSSERT certifications.

Such as;



EQUIPMENTS

As **Ozgur Motor and Generator**, we continuously improve our processes to increase customer satisfaction, as well as our employees and our suppliers. We follow developments in the world with our innovation understanding and increase our service quality.



Borecope,Vibration analyzer,DC Microohm meter,Megger,Hi-Pot Surge,Shaft current meter,Amper meter,Volt meter,Thermal Camera,Laser thermometer,Lazer coupling adjustment device,Lazer pulley setting device,Dry ice cleaning device,Flaglet tester,Pole Locator,Inner and Outer diameter micrometer set,Coil winding machines,Field grinding machines,Lathe Machine,Field balance kit,Ovality measuring device,Stroboskop,Balancing machine,Torque multipliers,Torque wrenches,RSO meter

SERVICES IN OUR PLANT

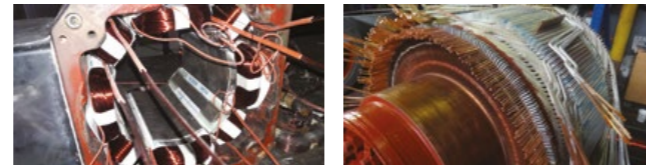
AC ELECTRICAL MOTOR STATOR/ROTOR REWINDING, MAINTANENECE AND REPAIRING:

- Any brand and power LV (400-690v), MV (6,3-10,5kV)
- F and H class rewinding



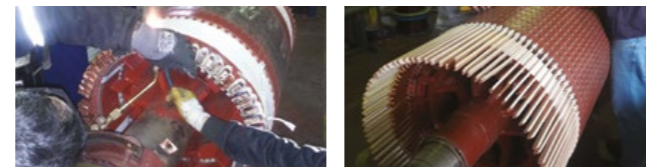
DC ELECTRICAL MOTOR ARMATURE AND INDUCTOR REWINDING, MAINTANENECE AND REPAIRING:

- Any brand and power DC electrical motor
- Rolling mill, traction, extruder and mixer motors and similars.
- F and H class, Flat and Round wire rewinding



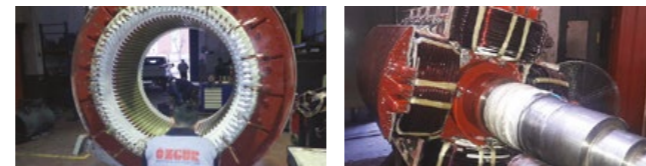
SLIP RIND ELECTRICAL MOTORS REWINDING:

- Any brand and power
- LV and MV
- F and H class windings



GENERATOR STATOR/ROTOR REWINDING, MAINTENANCE AND REPAIRING (Depending on original values)

- Any Brand and power
- F and H class
- The Generators at HEPP, JES, COJEN, MARIN, THERMAL PP, GAS PP



DRY TYPE TRANSFORMERS REWINDING, MAINTENANCE AND REPAIRING (Depending on original values)

- Any Brand and Power
- F and H class
- Flat and round wire



MAGNETIC STIRRER REWINDING, MAINTENANCE AND REPAIRING (Depending on original values)

- We have already done Ergolines and Concast made magnets



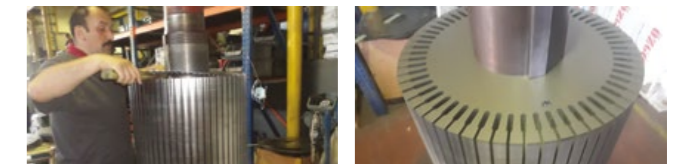
SQUIRREL CAGE ROTOR WINDINGS:

- Any Brand and Power
- AC
- Cupper or aluminium busbars are prepared in molds according to the grove dimensions and then we use silver or/and aluminum welding to complete the windings.



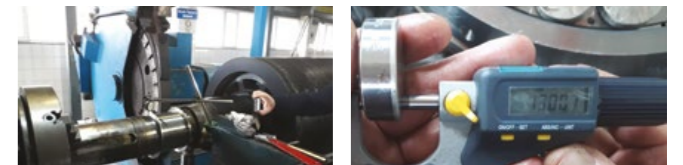
CORE MANUFACTURING AND REPAIRING:

- We use magnetic current to detect the cores with the help of thermal camera
- The core are dismental and the insulations of them will be renewed one by one
- In case of heavily damage has been found, the same quality materials is prepared in its original dimensions by laser cutting and then replaces. All of our works is done in-house.



METAL BEARINGS REPAIRS AND GRINDINGS FOR ELECTRICAL MOTORS AND GENERATORS

- Plain bearings shaft location grindings
- White metal casting
- New bedding production
- Manufacturing seal rings with warranty

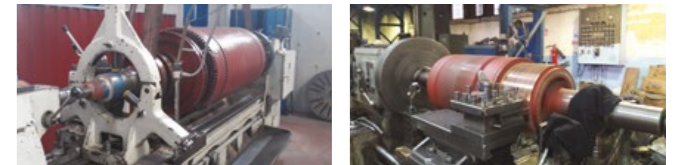


ROTOR SHAFT MANUFACTURING

- We manufacture new shafts from the original materials (or better) with crack controlled products.



ROTOR/ARMATURE BALANCING AND LATHE WORK



RING AND COLLECTOR MANUFACTURING

- Using bronze material, we manufacture either casting or shaped method with desired dimensions using lathe and milling machine.
- We use plexiglass or/and glass as an insulation materials
- All manufacturing will be done in-house





Our Facility

Is planned and projected according to the objectives of our activities, designed suitable with our productive and technical work.

The capacity of all off-buildings and in-building equipment is kept high enough to provide maintenance and repair of large size engines and generators.

The location of our facility is chosen as in Dilovası Mermerciler Sanayi Sitesi due to proximity to the North Anatolian highway to provide easy fast access to all areas.

Our crane capacity:	104 tonne
Working area:	2068 m²
Closed warehouse area:	538 m²
3-storey staff building:	386 m²
4-storey management building:	668 m²
Total closed area:	3660 m²



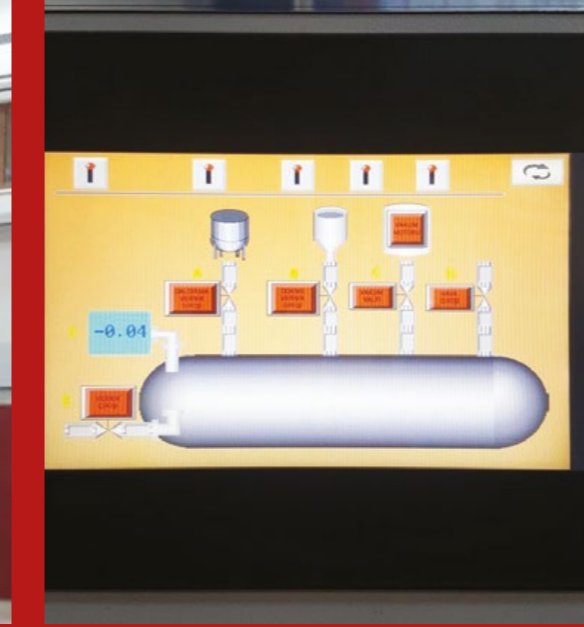
Powerful Test Field Coil Manufacturing

100 m2 test area, 380 Volt, 6600 Volt AC and DC Motors and generators no-load running tests and load tests up to 250 kW are carried out in our test area. We carry out the tests of all motors and generators at rated voltage and rated speed with 1650kVA test generator, its transformers and 500kW network input power. 3 x 3.5 meters and 2 x 2 meters platforms were built on a separate foundation independent of the building foundation to prevent vibrations.

Electric motors are connected to these platforms to perform rotation tests rigidly and load tests up to certain strengths and rotation tests of the generators are carried out. Power output tests and load tests up to certain strengths are carried out by rotating the generators. Since our energy is in pure sine mode, it allows the generators and motors to be tested in their design rates. All test values are monitored on PLC controlled screen.

Our Coil Manufacturing

In a working area of 80 m2, with modern forming machine and heating machines, we manufacture our MV, LV and DC coils in our own facilities in a high quality.



Modern Varnish System

It is a fully automated and modern varnishing system with pressure spraying in 6x6x5.5 meters and immersion varnishing system, filter ventilation systems, 2000 lt vacuum varnish tank volume and PLC control.

Large Drying Oven

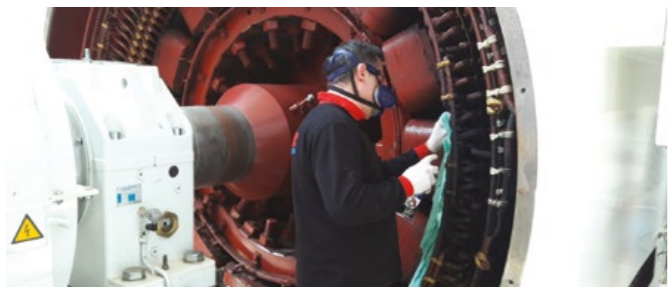
It is the most powerful and capacity drying oven in our sector with 6 x 6 x 5.5 meters measuring 70 ton electric transport vehicle. It performs a quality drying process by making a homogeneous heat distribution with 4 fan systems.

All temperature and time control are monitored by PID controller and PLC, and provides an error-free application.



HEPP – Hydro Electrical Power Plants

EXPERTISE, MAINTENANCE AND REPAIR SERVICES OF HYDRO ELECTRICAL POWER PLANT GENERATORS ARE IN OUR MAIN ACTIVITIES.



Our field failure detection field service is winding damage occurred at 19 MVA generators due to water cooler puncture.



Our turnkey maintenance and repair work with 1400 KW Hydrogen generator Workshop and field service.

2 units 6050 kVA HEPP generator workshop maintenance (HEPP generator maintenance flooding and merged in mud)



Our field slip ring turning/lathe operation and restorative repairs operation at 11880 kVA 10000 Volt 428,6 rpm DOLMEL brand generator.



GPP - Geothermal Power Plant

GEOHERMAL POWER PLANT GENERATORS EXPERTISE, MAINTENANCE AND REPAIR SERVICES IN OUR COMPANY ARE IN OUR MAIN ACTIVITIES.

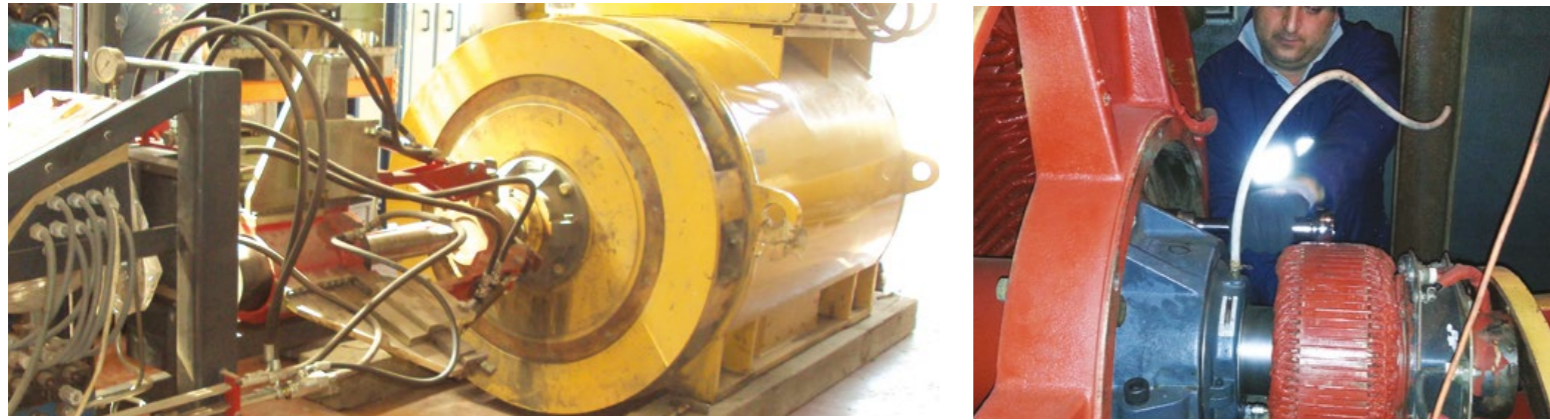


Our 15000 KVA generator field expertise operation.



Cogeneration and Trigeneration Systems

COGENERATION AND TRIGENERATION SYSTEM GENERATORS EXPERTISE, MAINTENANCE AND REPAIR SERVICES IN OUR COMPANY ARE IN OUR MAIN ACTIVITIES.



1165 KW Cogeneration generator field turnkey maintenance work.

2500 kVA Cogeneration generator field bearing replacement work.



Our 2500 KVA Cogeneration generator workshop maintenance and new shaft manufacturing and field commissioning work (KAZAKHISTAN)

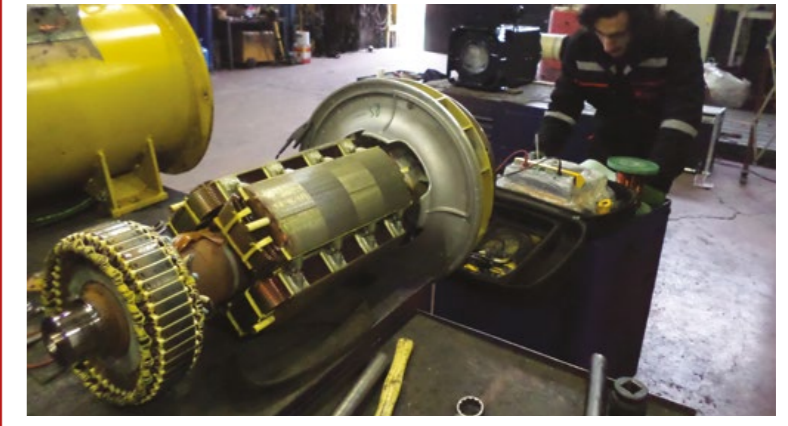


Marine Generators and Motors

MARINE GENERATORS AND MOTORS EXPERTISE, MAINTENANCE AND REPAIR SERVICES IN OUR COMPANY ARE IN OUR MAIN ACTIVITIES.

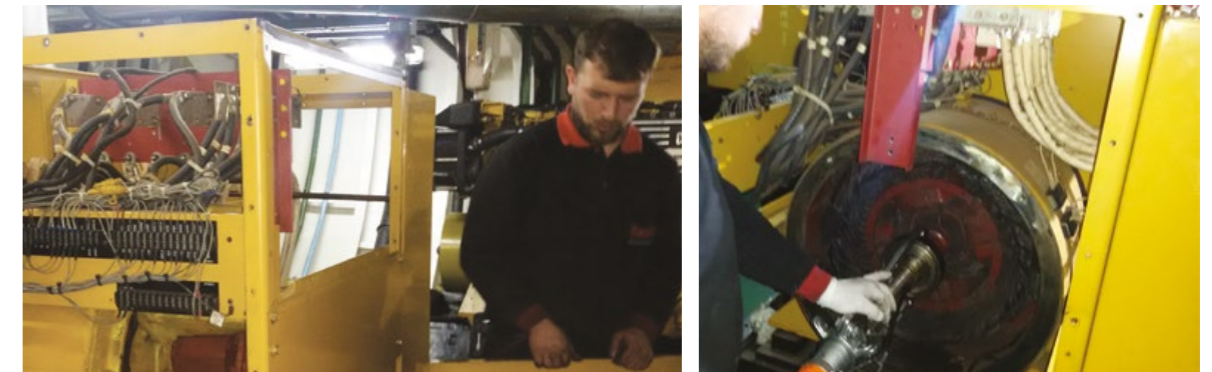


Our 735 kW DC pump motor, workshop and field service maintenance and repair work.



Our 200 kW marine generator workshop maintenance work.

Our 3 units 275 kW Generator in ship field roller replacement and maintenance work.

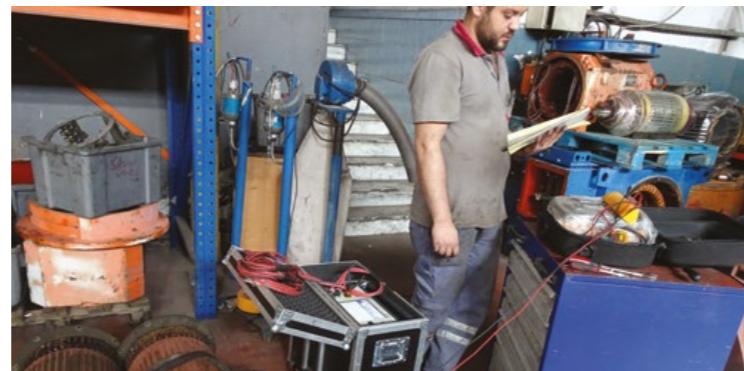


Traction Motors and Cer Motors

TRACTION AC AND DC MOTOR AND GENERATORS IN TRANSPORTATION SECTOR EXPERTISE, MAINTENANCE AND REPAIR SERVICES IN OUR COMPANY ARE IN OUR MAIN ACTIVITIES.



128 kW DC traction motor stator winding work.



70 kW traction AC generator maintenance work.

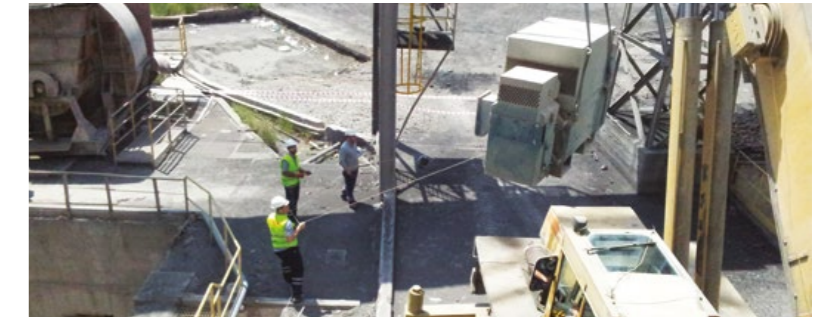


150 kW AC traction motor stator winding work.

Cement and Mining Sector

TURNKEY FIELD AND WORKSHOP MAINTENANCE / REPAIR SERVICES ARE IN OUR MAIN ACTIVITIES.

- Cooling fan motors,
- Farin, coal, cooling electro filter / bag filter fan motors,
- Coal transport compressor motors,
- Primer air fans / blower motors,
- Farn feed / clinker transport lines motors,
- Clinker cooler car engines,
- The raw mill main drive motor,
- Cement mill main drive motor,
- Coal mill main drive motor,
- Cooling tower water motor,
- Farline transport line motors,
- Cement transportation line motors,
- Coal transport line motors



Iron and Steel Sector

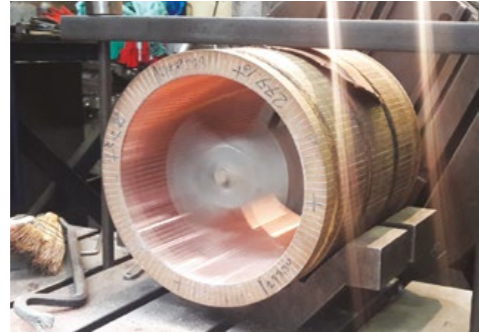
IRON STEEL ROLLING MOTORS TURNKEY FIELD AND WORKSHOP MAINTENANCE AND REPAIR SERVICES ARE IN OUR MAIN ACTIVITIES.



700 kW DC roller motor maintenance.



Magnetic stirrer winding.



Manufacture of roller motor collectors.

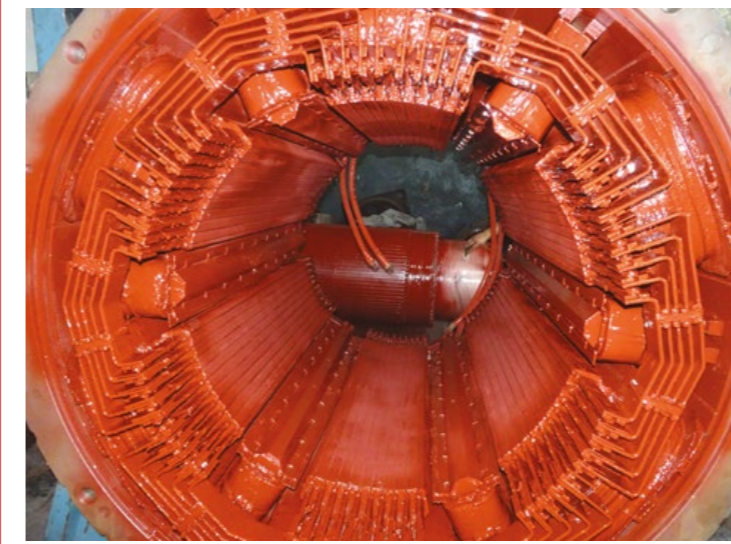


Rubber, Plastic, Packaging Sector

SITE AND WORKSHOP REPAIR AND MAINTENANCE WORKS OF EXTRUDERS AND MIXER ELECTRIC MOTORS ARE AMONG OUR MAIN BUSINESS ACTIVITIES.



1500 Hp DC mixer motor maintenance.



1500 Hp DC mixer motor maintenance.



Field periodic measurements.



Irrigation and Purification Sector

HORIZONTAL AND VERTICAL PUMP MOTORS, SUBMERSIBLE PUMPS, PURIFICATION MOTORS AND GENERATORS FIELD AND WORKSHOP MAINTENANCE AND REPAIR SERVICES ARE IN OUR MAIN ACTIVITIES.



1475 kW Pump motor rotor core manufacture and rewinding.



Tuzla purification 4360 kW Generator field maintenance.



ISKI 1000 kW Pump motor maintenance and repair.



Compressor and Blower Motors

COMPRESSOR AND BLOWER MOTOR WINDINGS AND MAINTENANCE SERVICES IN COMPLIANCE WITH THE WORKING CONDITIONS ARE IN OUR MAIN ACTIVITIES.



Shifting bed replacement and laser coupler adjustment of 2500 kW Atlas Copco compressor motor.



181 kW Atlas Copco compressor Siemens brand motor winding, double lobe rotor winding.



250 kW Atlas Copco compressor motor winding.



Our Site Service Works

WE PERFORM ALL KIND OF MAINTENANCE AND REPAIR WORKS AT SITE IN ACCORDANCE WITH FACILITIES BY USING OUR SITE SERVICE STAFF AND VEHICLE.

SITE FAILURE DETECTION (Expertise)

Our work on fault diagnosis in your electric motors and generators at site with high accuracy solution guarantee with our equipped service vehicle, our modern site test and expert devices and our expert field team..



CHANGING ROLLER BEARINGS AT SITE

Replacement roller bearings of electric motors / generators and fan bearings at site are done on turnkey basis with our skilled staff and our fully equipped service vehicle.

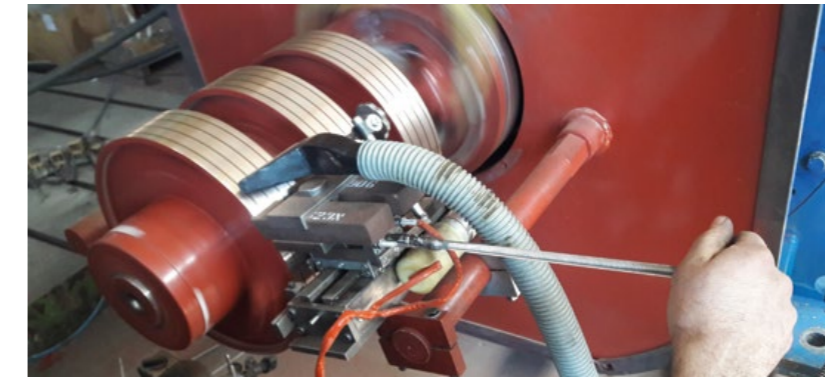
- Dismantling of motors/ generators from its place,
- Disassembly of old roller bearings,
- Controlling the bearings by measuring with precision micrometers,
- Installation of new roller bearings with induction heating system,
- Installation of the motor / generator and adjustment of the laser coupling,



SLIP RING / COLLECTOR GRINDING ON THE FIELD

We provide turning service by stoning/ grinding motor / generator bracelet (sliprings) and DC motor collectors on field.

- Dismantling of the bracelet,
- Installation of your grinding machine,
- Cleaning and commissioning after grinding/stoning



WINDING CLEANING AND BAKING ON FIELD

We provide services within the scope of Motor / Generator winding cleaning, drying with our mobile oven, full and semiconductor renewal, magnetic strip change and varnishing operations in the field.



Since 1989,
Your partner in Turkey

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