

# COMPONENTS AND RAW MATERIALS FOR PUMPS AND MOTORS - Development, Design and Manufacturing with Innovative Materials to increase Companies Competitiveness.

## Castings and Die-castings



Cast Iron, Bronze, Stainless Steel, Aluminium, Stainless Steel Stampings: *Pump Bodies, Brackets, Impellers, Diffusers, Shields, Flanges, , etc.*

## Hot-pressing



Hot stamped brass Impellers for Pumps

## Pressing and Forming



Cold stamped components through die shearing: stainless steel pump bodies, impellers, diffusers, bushes, metal rings, seeger circlips, bearing springs, spring washers, elevation rings, adjusting rings, etc.

## Stainless steel and Turned components



Tie rods, self-locking nuts, plugs, high precision metal parts custom made

## Seals and Mechanical seals



Gaskets, Seals, Washers and O-rings

Clamping and Sealing Range, Cable Glands, Cable Glands

- Lower Bellows Silicon Mechanical Seal (Rotating Ring) for pump type L1044VT
- Lower Silicon Mechanical Seal (Fixed Ring) for pump type DCH30T
- Lower Tungsten Carbide Mechanical Seal (Rotating Ring) for pump type DC30PT
- Lower Bellows Silicon Mechanical Seal (Rotating Ring) for pump type D20PAT
- Bellows Carbon Mechanical Seal (Rotating Ring) for pump type D8PAF
- Lower Silicon Mechanical Seal (Fixed Ring) for pump type L1044VT
- Twin Face Bellows Silicon Mechanical Seal (Rotating Ring) for pump type DCH30T
- Lower Tungsten Carbide Mechanical Seal (Fixed Ring) for pump type DC30PT
- Lower Silicon Mechanical Seal (Fixed Ring) for pump type D20PAT
- Alumina Mechanical Seal (Fixed Ring) for pump type D8PAF
- Upper Alumina Mechanical Seal (Fixed Ring) for pump type DCH30T

In standard execution and specially made to custom's design to suit all fluids, pressures and temperatures.

## Stampings



Stamped thermoplastics made in noryl and other innovative plastic materials: impellers, diffusers, venturi tubes and nozzles, disc holders, fly-wheels, fans, capacitor covers, terminal block covers, etc. also custom made.

## Ball bearings



High performance deep groove rollers ball bearings with shields or seals watertight and prelubricated with grease. Specialties on demand.

## Terminal blocks



Innovative faston type terminal block for rapid and easy connection

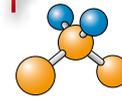
## Capacitors



HFC high quality and wide range

Long Life Capacitors also custom made

## Plastics



Noryl and other innovative plastic materials delivered filled or unfilled, for new products developments, with special compounds, nanocomposites, nonwovens, geosynthetics, ecological, non toxic, biodegradable. Special solutions to meet customers' requirements.

## Pump components for submersible borehole pumps



From 3 to 14" wells

## PUMPS and MOTORS COMPONENTS DIVISION

**Design** - Design and Manufacturing of Carbide Dies, Moulds and Tools with production of magnetic sheets for electric motors: ability to meet customers' requirements also following their own technical drawings up to the design of dies and the manufacturing of components. Robotics and Automatization through Mechatronics with new materials for sustainable Innovation: a combination of Mechanics, Electronics and Computing which assures Products and Systems much more reliable, efficient, economical and versatile and with Nanotechnologies to design new products manufactured for new functions and better technologies and with Commonization to provide high quality at lower costs.

**Casting, Pressing, Stamping, Forming and Forging** - Cast iron, Bronze and Stainless Steel Castings. Aluminium Die-Castings, Metal cold Forming, Stamping, Blanking, Shearing and Pressing, Raw and Machined and made to order.

### Components for Electric Motors

**Windings and Shafts** - Also Wound Stators and Rotor Shafts made to custom designs for individual requirements.

### Components for Pumps

#### Turned Components to Custom's design

in Stainless Steel, Brass, Cast Iron, Bronze, Plastics, etc.

A complete range of components and spare parts for pumps and electric motors. We are able to identify and select the most suitable materials and technologies for the Customers' individual requirements. Overhauls and Genuine Spare Parts.

## PLASTIC RAW MATERIALS and COMPONENTS - DEVELOPMENT, DESIGN AND MANUFACTURING DIVISION

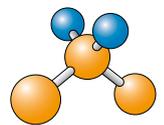
We provide a complete service from Raw Materials to Design and Production. We are able to identify and select the most suitable materials and technologies for the Customers' individual requirements.

**Plastic Raw Materials** - We supply following First Choice (Premier) Plastic Polymers: ABS, EP, HDPE, LDPE, LLDPE, MF, PA, PBT, PC, PET, PF, PMMA, POM, PP, PS, PSU, , PTFE, PUR, PVA, , PVC, UF, UP, PE, HIPS, PES, PA, PVDC, PU, PEEK, PEI. We supply Plastic reprocessed Granules with same properties as virgin Polymers, Biopolymers, Natural Polymers, Biodegradables, Compounds, Composites, Elastomers (Rubbers): Healthcare, Non-Toxic, Recyclable plastic products thus contributing to the reduction of environmental pollution.

All products can be delivered filled or unfilled.

**Innovative Materials for new products development with best application techniques:** Nanocomposite Compounds. Nonwovens made of natural and synthetic fibres, Nonwoven Textiles, Geotextiles, Geosynthetics, Spunbonded fabrics for soil stabilization, erosion control, drainage, environmental protection problems and to suit your particular applications.

For all above products we supply executions suitable for potable drinking waters for human consumption to conform with DM174 following EU Directive 98/83/CE.



We care for environmental factors