FRANCO ANTOGNAZZA

CO

METAU ENGINEERING SRL

WWW.metau-engineering.it

Description

In 1995, the union of three companies already operating for many years at the vanguard in the design and application of hydraulic components and hydraulic systems, is born Metau Engineering srl. The experience allows us to put our know-how available to companies that design and build machines and industrial systems. Our Technicians are oriented in the search of innovative solutions and systems designed and manufactured in collaboration and for the customers We consider ourselves especially SYSTEM supplier. Starting from a specific request our organization is able to design and to build a complete system without neglecting the supply also the single components. Our Technical Department works with modern CAD-3D Unigraphic to offer our customers a high-design profile .

Organization Type

Medium-sized Company,

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Country

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PIOMBINO DESE, VIA GHEBO, 4 Google map

Areas of Activities

Machineries

Automotive

Oil & Petrochemical

Offer & Request

MAGNETIC COUPLING and HYDROSTATIC LENEAR ACTUATOR

With the acronym HLA we identify a patented system composed of a double acting hydraulic cylinder inside of which are inserted all the necessary components to its handling.

The pump (gear or radial piston unit), the electric motor (conventional or brushless), the valves and the oil are all integrated into a single actuator.
We get so a real plug & play system.

We obtain a conceptual layout as shown in the diagram of principle mentioned below.

To start using the HLA will then need only to connect the power to the electric motor.

The GME is a permanent magnet suitable for to transmit torque through to the magnetic field that is established between the inner and outer rotor.

The use of magnetic coupling is recommended in applications where it is necessary to hermetically separated two zones in order to prevent fluid or gas leakage from an area to another.

The classic example is related to the fluid transfer pumps applications.
In this applications the fluid must not come into contact with the external environment.

The magnetic coupling prevents also to transmit vibration and axial and radial loads on the drive shaft.