

Nanotechnology

According to numerous economists, every 40 years a technology leap appears and the first companies to be in the bus are the winners. Jean-Michel Paris agrees with the fact that nanotechnology is hype but says that even when a potential disruptive technology has a reputation as hype, it still must be investigated. Says Mr. Paris, «*This technology will create new sectors in our industry in the following years, it is a certainty. The role of the Pôle is to increase innovation capacities of its members and nanotechnology is one of the tools at our disposal. We're working on it with an industrial logic in mind. The projects of the Pôle must bring money and maintain or create jobs*». The aim of the Pôle is then to make projects emerge for the sake of every microtechniques company in the area.

A collaborative logic

Within the past three years, the Pôle worked on projects for which the total budget reached about 54 million Euros (from which about 20 million of financial aid) comes from public actors like Europe, France or Franche-Comté; With the rest being financed by companies. The Pôle wants to be an innovation spring for every partaker of the microtechniques and works usually with the idea of common shared knowledge and innovation. Obviously some projects are also confidential but usually the work is largely open and the results published. «*It is a risk we've taken into account; the logic of mutuality can be the contrary of the economic intelligence but it can also be beneficial for every one of our companies*» says Jean-Michel Paris.

Wide range of services

The main role of the Pôle des microtechniques is to first create the link with academic competences. You are looking

for a scientist to go further? The Pôle helps you. Second, it ensures the link with technology and industry. You are looking for know-how or production capacities? The Pôle helps you. And third, the Pôle can help you benefit from financing facilities. The main axes of growth for the Besançon area through the Pôle des microtechniques are: Biomedical, measure and control, and transport and energy. A fourth axis is managed in an independent way: that fourth axis is luxury and technology. All of these domains have in common the fact that they involve machining high added value parts for microtechniques. This is linked with highly developed historical skills and high fiscal and social costs.

Microtechniques are everywhere

At any moment everywhere in the world, everyone carries, uses or relies on microtechnical components. The market is not very visible; nevertheless, omnipresent Franche-Comté is France's number one in terms of density of know-how, research and training linked to microtechniques. The Franche-Comté concentration of mastery from development to production in the microtechniques field is a spring of competitiveness that cannot be denied.

The Pôle des microtechniques is open for everyone. Do not hesitate to contact them for any question linked to research, industrialization, training or transfer in the field of microtechniques.

Pôle des microtechniques

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Simple et efficace

La pompe Gerotor est simple de construction, offre un débit régulier et une pression constante, est silencieuse légère et compacte. Elle est également disponible avec une valve de sécurité intégrée.

Pompe basse pression

L'huile minérale, synthétique et végétale est pompée à des débits de 10 à 80 litres par minutes avec une pression maximale de 10 bar sans contamination.

Application typiques :

- Circulation d'huile dans des systèmes de refroidissement et de filtration
- Circulation d'huile dans des dispositifs hydrauliques industriels
- Remplissage et vidange de réservoirs
- Pompage dans des dispositifs fixes ou mobiles de fourniture d'huile.

Grace à sa flexibilité et ses nombreuses années d'expérience, Olaer est bien placé pour être un partenaire professionnel fiable.

Einfach und Effizient

Die Gerotor Pumpe ist einfach aufgebaut, hat eine geringe Volumen und Druckpulsation, ist leise, leicht und kompakt. Die Pumpe kann auch mit einem direkt angebauten Überdruckventil geliefert werden.

Niederdruckpumpen

Mineralöl, synthetische Öle, und pflanzliche Öle, ohne Verunreinigungen für Fördermengen von 10 – 80 L/min bei einem max. Druck bis 10 bar.

Typische Einsatzgebiete:

- Umwälzung von Öle in Kühl- und Filtrationskreisläufen
 - Umwälzung von Öle in der Industriehydraulik.
 - Befüllen und leeren von Tanks
 - Förderung in stationären oder mobilen Ölversorgungsanlagen
- Dank ihrer Flexibilität und sein langjährigen Erfahrung ist Olaer in der Lage, ein kompetenter zuverlässiger Partner zu sein.

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The Gerotor pump is simple in construction, has low volumes and pressure pulsation, is quiet, light and compact. The pump is also available with a built-in safety valve.



Gerotor Type QPM3

Low-Pressure Pumps

Mineral oil, synthetic and vegetable oils, for delivery rates of 10 - 80 L/min at max. pressure 10 bar, with no contamination.

Typical applications:

- Circulation of oil in cooling and filtration circuits
 - Circulation of oil in industrial hydraulics
 - Filling and emptying tanks
 - Pumping in stationary or mobile oil supply installations.
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