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## RECOMMENDATION

Fundamental researches on magnetic fluids began in Timisoara, at the University "Politehnica", already in the early seventieth. The interdisciplinary research group founded in 1975 by Professor Ioan ANTON, member of the Romanian Academy, had the following main objectives: 1) physicochemistry and preparation of magnetic fluids; 2) properties and microstructural processes; 3) magnetohydrodynamics; 4) engineering and biomedical application of magnetic fluids.

Among the most promising engineering applications already started in USA by Ferrofluidics Co., were the magnetic fluid seals for rotating shafts. From the very beginning of the researches concerning the calculus, design and construction of rotating magnetic fluid seals in Romania, in 1982, the Company ROSEAL from Odorhei joined the academic research team from Timisoara and offered a financial support for researches and its successful industrial background.

During the longterm cooperation between the Laboratory of magnetic fluids now at the Center for Fundamental and Advanced Technical Research (CFATR) from Timisoara of the Romanian Academy and ROSEAL Co. from Odorhei a lot of experimental models and prototypes of magnetic fluid seals were constructed and experimented, especially for crystal growth equipments and high power electrical switches.

Rotating magnetic fluid seals are representative for high technology devices. During several years of collaboration the team of ROSEAL Co., headed by the general manager L. Borbáth, proved its skill and fruitful partnership in developing a completely new sealing technology in Romania.

Very recently, in the period June 29 - July 3, 1998, the 8<sup>th</sup> International Conference on Magnetic Fluids (ICMP8) was held in Timisoara, gathering 170 participants from 31 countries, mostly from USA, Japan, Germany, France, The Netherlands and NIS. The support of ROSEAL Co. was essential in ensuring the real success of this traditional conference of the international scientific-technological community of magnetic fluids.

We are honoured to recommend ROSEAL Co. as a highly reliable partner for industrial cooperation.

Prof. Dr. Eng. Ioan ANTON,  
member of the Romanian Academy  
Director

Dr. Lădislau Vékás, Senior Scientist,  
Head of the Lab. MFs