



EVROPSKÁ UNIE  
Evropský fond pro regionální rozvoj  
Operační program Podnikání  
a inovace pro konkurenceschopnost



## Availability of the Research and Development Capacity for external subjects

The purpose of the project "Extension and modernization of the ESMC development center" project registration number CZ.01.1.02/0.0/0.0/19\_297/0019599, was to expand and modernize the existing research and innovation capacity for heterogeneous catalysts for the chemical industry and the environment.

The existing equipment was supplemented by the up to mention analytical and preparation equipments. At present, the laboratory of Euro Support Manufacturing Czechia, s.r.o. is able to provide preparation and analytical capacity for the preparation of heterogeneous catalyst samples, including their analytical analysis.

The research infrastructure is allowed access to other users in the form of commercial services. Breakdown of newly acquired equipment, which supplemented the existing equipment for analytical analysis and preparation of precursors of heterogeneous catalysts for the chemical industry and the environment, acquired from the above-mentioned subsidy program:

Equipment added for analytical laboratory:

- Halogen sample dryer;
- Automatic titration unit;
- pH meter;
- Laboratory scales;
- Magnetic stirrer;
- Liquid density measuring apparatus;
- Apparatus for measuring the strength of particles;
- Cutting edge measuring apparatus;
- Particle size measuring apparatus;
- Gas chromatograph;
- Crystal structure analyzer;
- Zeta-potential analyzer;
- Bulk density measuring apparatus;
- Microwave sample decomposition apparatus;
- Flame photometer;
- Scanning electron microscope.

Equipment added for preparation laboratory and research pilot plant:

- Mill;
- Flow meter;
- Laboratory peristaltic pump;
- Laboratory top stirrer;
- Laboratory presses;
- Autoclave;
- Autoclave oil heating;
- Chamber furnace.

More information:

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