



## **Toll Manufacturing Facilities in the Czech Republic**

ASM Catalysts is active in the fields of catalyst and adsorbent marketing and toll manufacturing. We represent companies that are primary producers of catalyst powders, active alumina adsorbents, Claus sulfur recovery catalysts, and. Furthermore, we facilitate the production of custom-made catalysts at the Euro Support Manufacturing site formerly owned by Chemopetrol in the Czech Republic.

This catalyst manufacturing facility is in Litvinov, Czech Republic, 25 miles east of Dresden, Germany, and was started in 1950 as a strategic operation that would leave the refineries in the former Czechoslovakia independent from catalyst imports. This as we all know, has drastically changed, and they faced a situation in which they had to compete with the major catalyst producers. It was clear that with limited production capacity available, this facility had problems to compete in the HDS, reforming and other big catalyst consuming processes, but it is ideal for custom catalyst manufacturing.

This generally speaking smaller scale operation gives the flexibility to economically produce smaller lots of catalyst. At the same time, this facility is very well equipped to scale up from laboratory samples via 1-100 kilogram quantities to commercial lots of several hundreds of tons, depending upon the type of catalyst. The plant has the capability to make extruded, tableted, dried, calcined catalyst, an indication is about 1000 mt per year. The plant further has precipitation, filtration and spray drying facilities.

The laboratory at the site is equipped to analyze the standard physical and chemical properties. If customer requirements dictate more advanced analyses, the catalyst facility can access numerous state-of-the-art analytical instruments at the on-site polymer institute.

Eurosupport Manufacturing Czechia offers the following equipment capabilities:

- *milling, mixing, sieving (dry and wet)*
  - *Extruders*
  - *Tableting equipment*
  - *Stationary calciners*
  - *Rotary calciners*
  - *Tunnel kiln*
  - *Precipitation tanks*
  - *Filtration and washing*                    *l*
  - *Impregnation tanks*
  - *Stationary dryers, rotary dryers*
  - *Belt dryers*
  - *Vacuum dryers*
  - *Spray dryers*
  - *Small plant to make spheres*

Confidentiality – it goes without saying that this is one of the most important factors in custom catalyst manufacturing, and we can assure you that this will not be a problem.