

X2000 SERIES GAS-PHASE REACTIONS



THE HIGH THROUGHPUT
EXPERIMENTATION
COMPANY



APPLICATIONS

- **Catalytic Naphtha Reforming**
- **Methane Activation**
- **Aromatics Conversion**
- **Isomerization**
- **Steam Reforming**
- **CO₂ Conversion**
- **Dehydrogenation**
- **(partial) Oxidation**

hte's X2000 is designed to bring parallel catalyst testing and optimization to a range of gas-phase chemistries.

It is optimized for high-temperature, low- and mid-pressure processes (sub-atmospheric possible) in up- and downstream applications, suitable for fast deactivating catalysts.

The system increases productivity in the evaluation of heterogeneous catalysts in fixed-bed reactions while delivering high-quality data.

BENEFITS

- Reliable, turnkey ready system following international industrial standards, developed over several years in hte's contract research programs.
- Complete lab-in-lab solution validated with your chemistry and immediately operational at your site.
- Proven, fully integrated workflow including on- and offline analytics, reactor loading, and data integration.
- Highly flexible system with online GC systems optimized for your application in high throughput experimentation.
- Sustainable investment covering a broad range of catalyst volumes from small amounts of powder to large amounts of shaped materials.

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We create chemistry