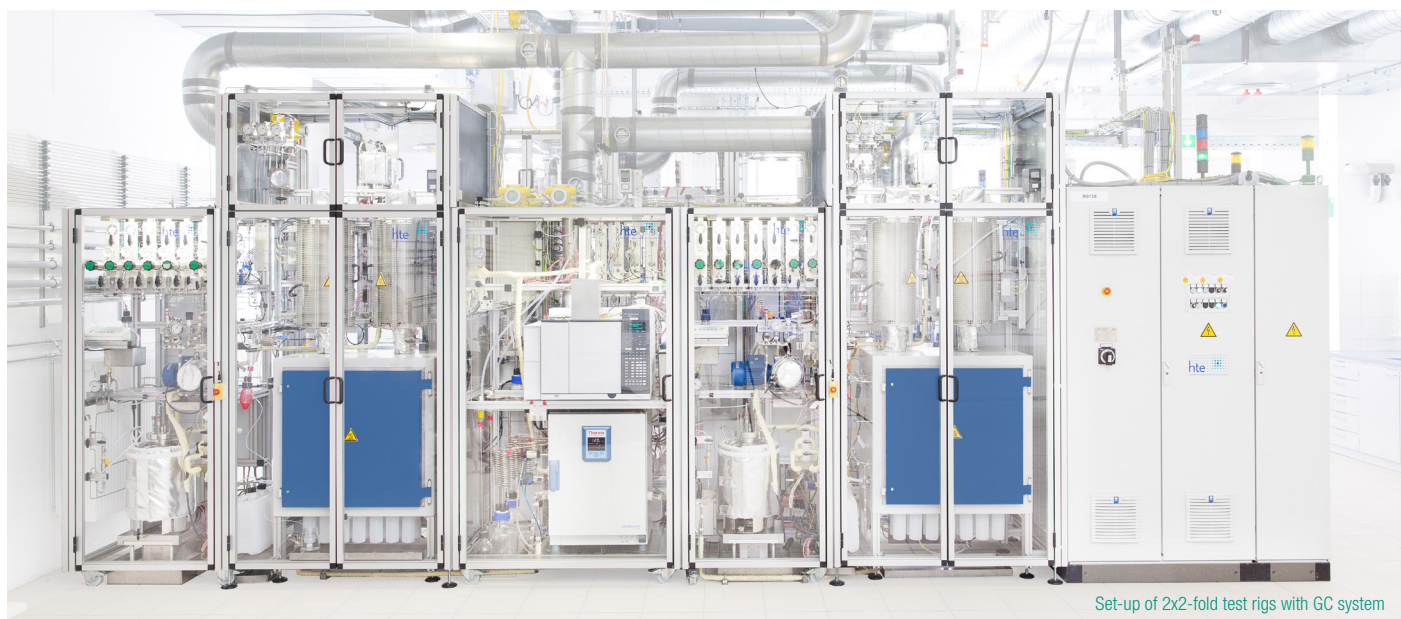


B4500 SERIES TRICKLE-BED APPLICATIONS



THE HIGH THROUGHPUT
EXPERIMENTATION
COMPANY



Set-up of 2x2-fold test rigs with GC system

APPLICATIONS

- **Hydrocracking**
- **Hydrotreating (HDS, HDN, HDM, HDO, HDA)**
- **Dewaxing and hydrofinishing**
- **Bottom-of-the-barrel upgrading**
- **Bio feedstock conversion**
- **Pyrolysis oil upgrading from plastics recycling**

hte's B4500 is optimized for high-pressure trickle-bed applications in down- or up-flow mode and in-series configuration. Complementary to the X4500 High Throughput Experimentation unit, the bench-scale system allows individual catalyst testing with larger liquid quantities.

BENEFITS

- Top-notch solution - high reproducibility, industrially relevant data and broad variety of on- and offline methods
- Robust - reliable, fully automated, turnkey ready solution with high up-time
- Digitalization - advanced analytics & software solutions enabling fully digitalized workflow solutions
- Global service - readily operational at your site through chemical validation. With our top-rated service professionals operating all over the world, we provide personalized support
- Strong expertise - decades of customized R&D projects, technology, and production know-how
- High flexibility - operational mode and catalyst volume (typically 25-100 mL)

LUBES
WAX

NAPHTHA
Kerosin
DIESEL

VGO
RESID (ATMOSPHERIC
& VACUUM)

BIO FEEDSTOCKS
PYROLYSIS OIL