



Cleaner products. Cleaner world.

MEC Fuels & Chemicals

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Reactor/Testing Units



Made in USA



We make custom reactors/testing units for your R&D and testing needs that can meet your budget. Please fill out the reactor inquiry form on our website or email us the details about your needs. Below are some examples of our reactors.

MEC111™ (Fixed-bed Reactor/Testing Unit)

Features (but not limited to):

- ✓ Four gas feeds
- ✓ Equipped for both gas and liquid products
- ✓ Temperature: 600°C
- ✓ Max. Pressure: 500 psi
- ✓ Reconfigurable
- ✓ Data-logging capabilities
- ✓ Operate locally & remotely
- ✓ Advanced safety features
- ✓ Visual and audible alarms
- ✓ Dimensions: 40"x 26"x 62"

Tailored customization to meet your high standards at a reasonable price.



Customizable for several processes (but not limited to):

- Production of syngas
- Syngas conversion
- Gas to liquid
- Pyrolysis
- Production of biofuels
- Hydrogenation
- Dehydrogenation
- Oxidation
- Fischer-Tropsch
- Alcohol synthesis

Customized accessories are designed to meet your R&D needs

MEC222™ (Fixed-bed Reactor/Testing Unit)

Features (but not limited to):

- ✓ One gas and one liquid feeds
- ✓ Equipped for both gas and liquid products
- ✓ Max. Temperature: 100°C
- ✓ Max. Pressure: 100 psi
- ✓ Reconfigurable
- ✓ Data-logging capabilities
- ✓ Operate locally & remotely
- ✓ Advanced safety features
- ✓ Visual alarm
- ✓ Dimensions: 27"x 16"x 29"

Quick turnaround to meet your deadlines.



Customizable for several processes (but not limited to):

- Desulfurization of fuels
- Hydrotreating
- Water filtration
- Steam methane reforming
- Purification of biofuels
- Water Gas Shift
- Polymerization
- Gas absorption
- Hydro-cracking
- Fluid catalytic cracking
- Wastewater treatment

We value the opportunity to collaborate with you

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