From $70,000
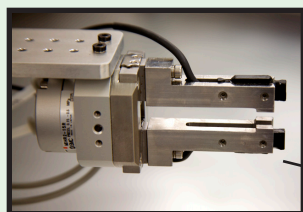
4-Axis SCARA and 6-axis articulating arm robots perform intricate motions to load, pour, mix, or otherwise manipulate samples with the dexterity of a human hand.
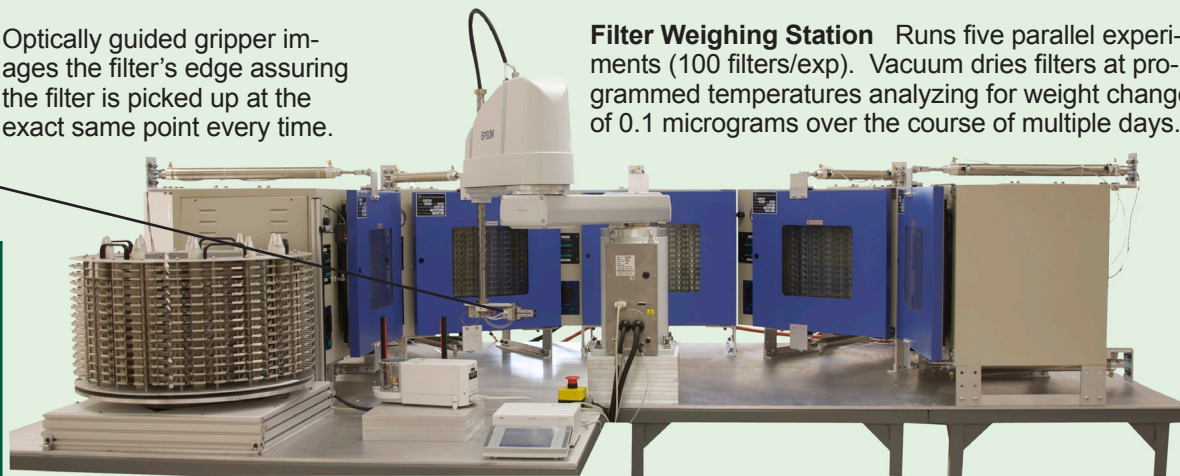
Oil Processing Robot performs

- Multi-step aqueous/organic extraction
- Capping/Uncapping
- Precision pipetting of highly viscous samples
- Robotic centrifugation
- Vortex mixing
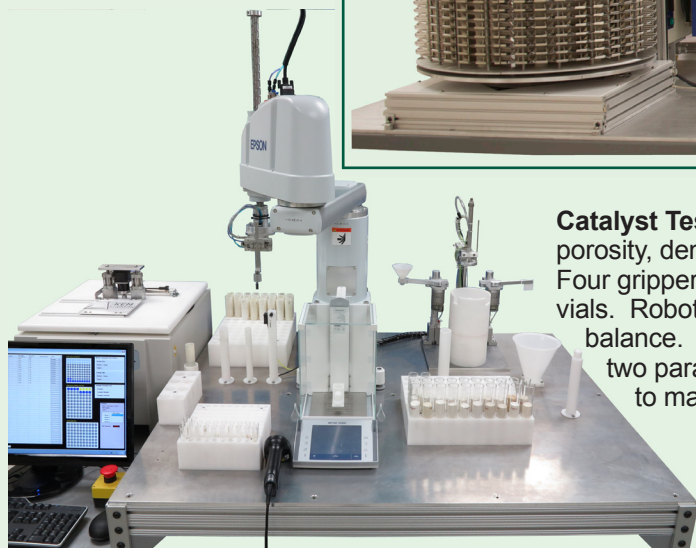- Tracking of all materials by weight

Optically guided gripper images the filter's edge assuring the filter is picked up at the exact same point every time.

Filter Weighing Station Runs five parallel experiments (100 filters/exp). Vacuum dries filters at programmed temperatures analyzing for weight changes of 0.1 micrograms over the course of multiple days.

Catalyst Test Station Measures catalysis porosity, density, and active site density. Four grippers handle four different size vials. Robotic centrifuge and analytical balance. Multi-tasking software performs two parallel experiments simultaneously to maximize sample throughput.

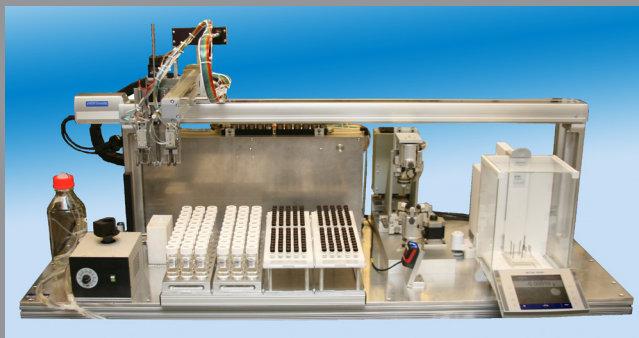Simultaneous 3-axis motion facilitates pouring solids from test tube to an analysis vessel.

Custom Automation Solutions

- Analog sensor interfaces • Temperature • Pressure • Robotics • One-of-a-kind instruments

J-KEM makes custom robotic solutions ranging from a simple 2-axis deck to sophisticated 6-axis articulating arms. Two qualities distinguish J-KEM from any other automation manufacturer:

- **You Own the Solution** - J-KEM is the only robot manufacturer that releases the original source code with every robot. This provides unprecedented control of your robot by allowing you to modify the software as automation needs change.

- **Custom Designs** - J-KEM makes a unique instrument specifically designed for your application
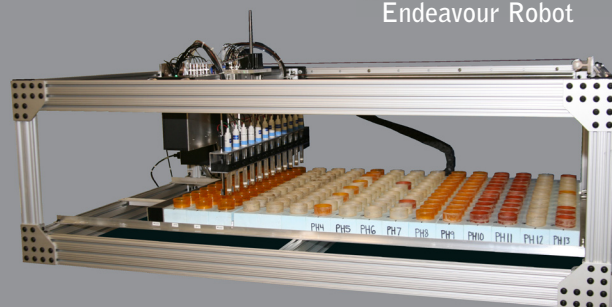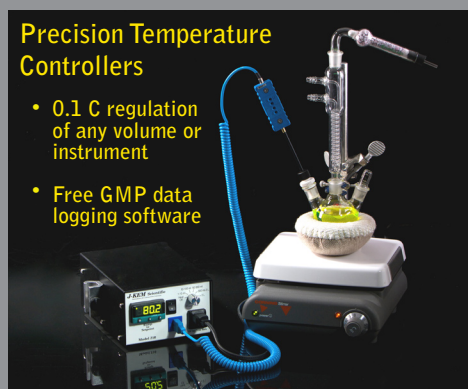
Eclipse Robot

Endeavour Robot

Titan Robot
< $7000

Custom Soil
pH Robot

Other Instruments from J-KEM

Precision Temperature Controllers

- 0.1 C regulation of any volume or instrument
- Free GMP data logging software
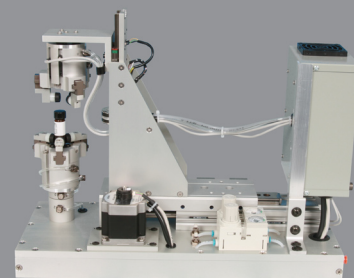
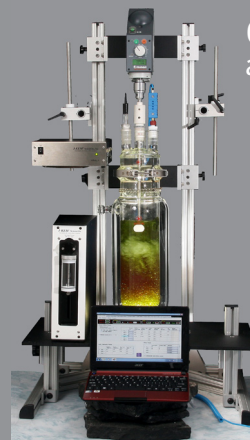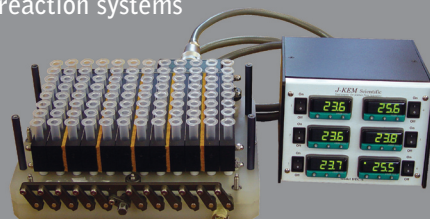Precision syringe pump systems for automated multi-reagent additions and titrations

Robotic Accessories

- Robotic centrifuge
- Capping/Decapping station
- Robotic shaker

Precision temperature controlled reaction systems

Custom reaction and lab automation systems

Automate reactions
Derivatizations
Mixing
Temperature control
Titrations
Viscosity measurements
Fermentations
Filtrations
Pressure control

J-KEM Scientific, Inc.

Phone: (800) 827-4849   (314) 863-5536
Web: www.jkem.com
Email: info@jkem.com

J-KEM Scientific is a group of scientists working for scientists like you. We specialize in unique instruments for lab automation.

Custom Instruments   *Custom Software*
One perfect solution