



< \$14,000

Solid phase elution system (10-columns)
Multi-solvent elution and fraction collection

The Endeavour Robot is one of J-KEM's most affordable series with professional features expected from high-end research robotics.

Key features of the Endeavour include:

- Accuracies of 0.002 mm on all axes
- High speeds (300 mm/sec)
- Programmable Input/Outputs (16 each)
- Simultaneous 3-axis motions
- Compact design

The Endeavour is available in two deck sizes

- 200 mm x 200 mm addressable space, and
- 400 mm x 400mm addressable space

Standard configurations include a two axis (X & Y) or three axis (X, Y, Z) system. Custom configurations have up to 6 axes.

Compact Versatile Affordable

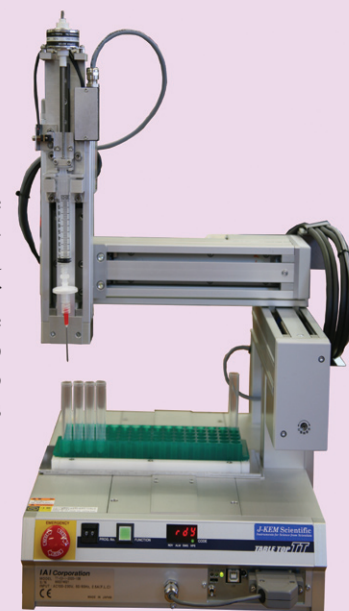
Weighing Station

for 2 dram vials and 100 mm test tubes. Bar code readers and 0.1mg resolution balance.



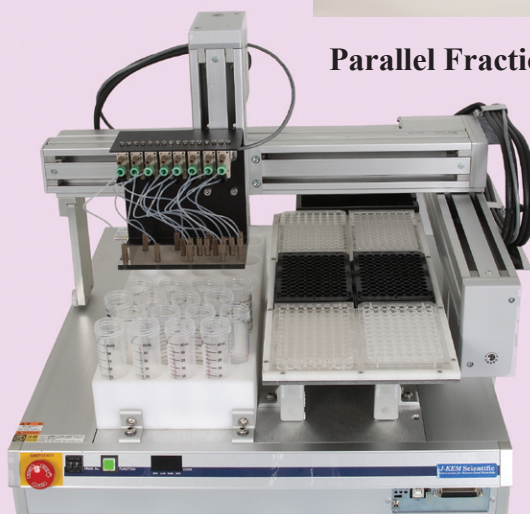
Proof of Concept Robot

Because of its simple programming language and short lead time, this Endeavour was made to optimize a single reaction step before committing to a full scale synthesis robot.



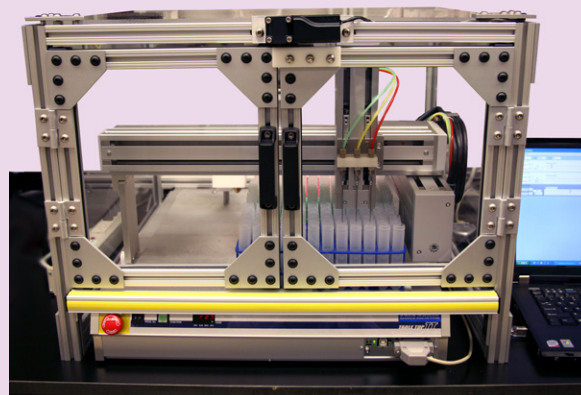
Parallel Fraction Collector

Collects from 8 parallel columns to either microtiter plates or Falcon tubes.



Tissue Preparation Station

Adds precise quantities of three reagents to tissue samples via Excel table input. Shown in custom solvent hood.



Custom Automation Solutions

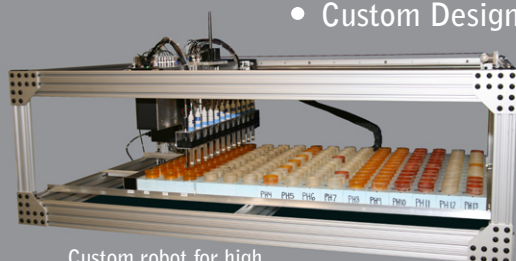
- Analog sensor interfaces
- Temperature
- Pressure
- Robotics
- One-of-a-kind instruments

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

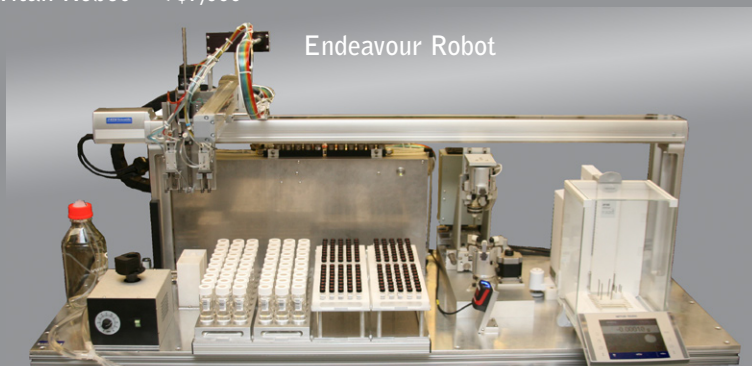


Titan Robot < \$7,000



Custom robot for high throughput soil and water analysis

Endeavour Robot



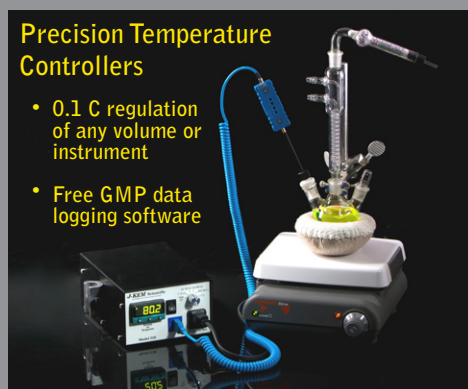
Eclipse Robot



4-Axis SCARA

Precision Temperature Controllers

- 0.1 C regulation of any volume or instrument
- Free GMP data logging software

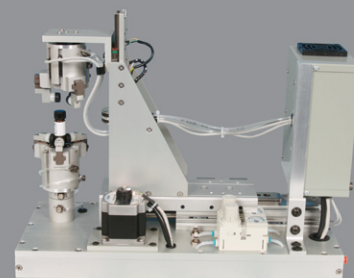


Precision syringe pump systems for automated multi-reagent additions and titrations

Other Instruments from J-KEM

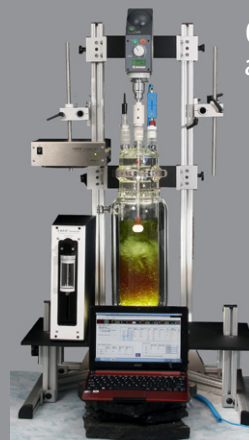
Robotic Accessories

- Robotic centrifuge
- Capping/Decapping station
- Robotic shaker

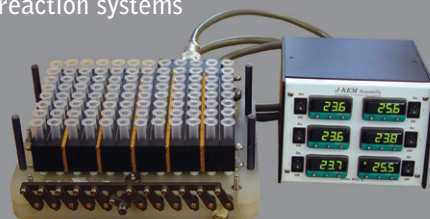


Custom reaction and lab automation systems

- Automate reactions
- Derivatizations
- Mixing
- Temperature control
- Titration
- Viscosity measurements
- Fermentations
- Filtrations
- Pressure control



Precision temperature controlled reaction systems



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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