

Smart fraction collector with septum penetrating needle

< \$7,000

The Titan robot is designed for applications that need sophisticated automation, but don't require all the features or modules that are available on other classes of J-KEM robotics. Built with an eye towards practicality, the Titan robot is capable of performing a wide variety of intricate tasks reliably and with high precision. Microliter accuracies for dispense and aspirate operations. Serial dilutions, cherry picking, sample preparation, and weighing tasks.

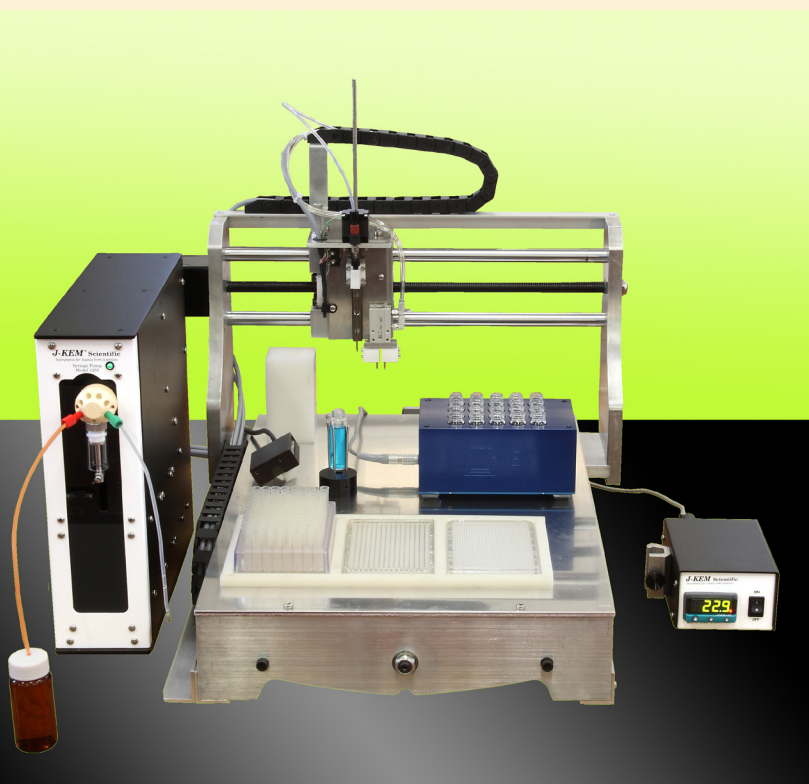
Only J-KEM provides a copy of the **original source code** with your robot!

The Titan robot is ideally suited for applications like:

- **Intelligent Fraction Collectors**
 - Collect fractions based on any user defined criterion
 - Immediately sub-sample collected fractions to a titer plate or GC vial.
 - Interface to a UV detector to collect based on absorbance readings.
- **Rearranging Applications**
 - Rearray samples based on an Excel file input.
- **Filling Applications**
- **Dissolution * Synthesis * Crystallization**
SPS & SPE * Cherry picking

Titan robots can be equipped with a wide selection of probes on the Z-arm, including:

- * Septum penetrating needles
- * Vial grippers
- * pH, ORP, and UV probes



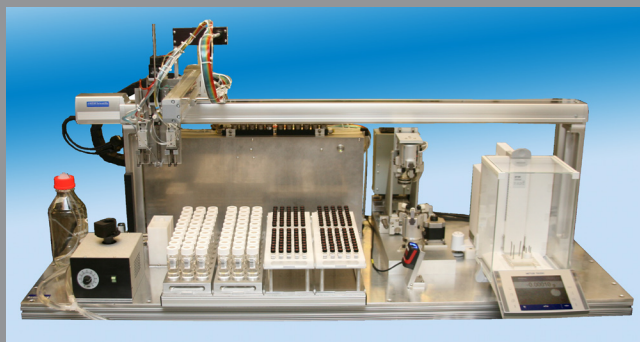
Synthesis Robot Builds matrix-style reactions from Excel table input. Periodically samples reactions to determine reaction progress.

Custom Automation Solutions

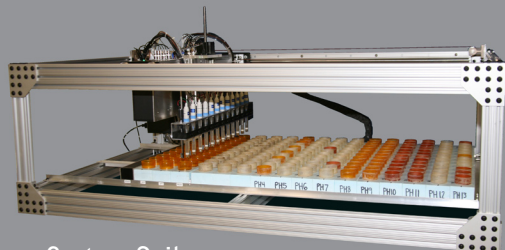
- Analog sensor interfaces
- Temperature
- Pressure
- Robotics
- One-of-a-kind instruments

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



Custom Soil pH Robot



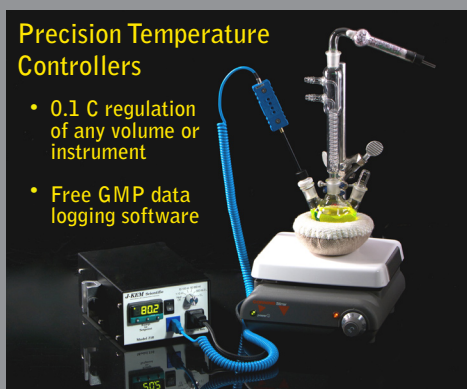
Endeavour Robot



4-Axis SCARA

Precision Temperature Controllers

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

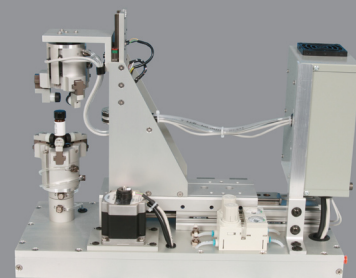


Precision syringe pump systems for automated multi-reagent additions and titrations

Other Instruments from J-KEM

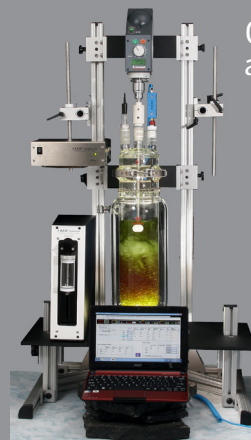
Robotic Accessories

- Robotic centrifuge
- Capping/Decapping station
- Robotic shaker

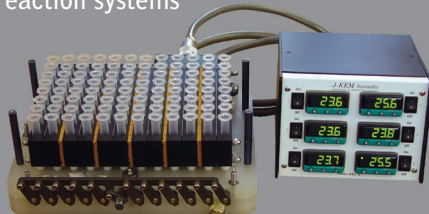


Custom reaction and lab automation systems

- 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