

AsahiKASEI  
BIOPROCESS

# THESYS™ ACS ERGO

*Dynamic and Ergonomic Oligosynthesis Column*

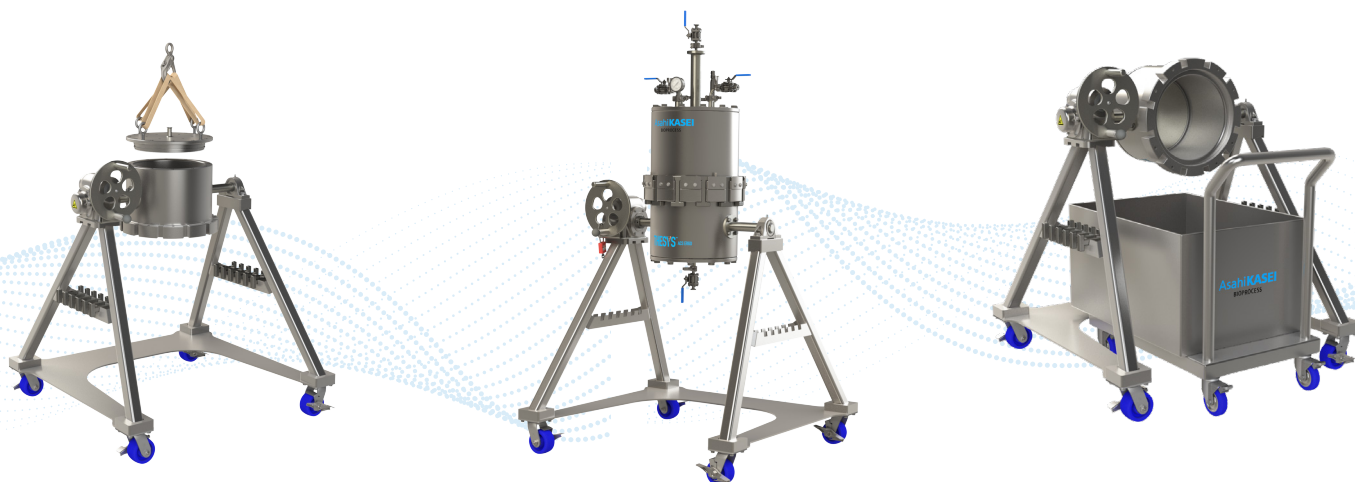


## Greater Efficiency with Safer Synthesis Column Changeover

Asahi Kasei Bioprocess, with nearly two decades of experience delivering synthesis columns to the oligo industry, brings a wealth of expertise in designing manufacturing-scale equipment to fit specific development needs. We also understand safety is paramount on the manufacturing floor and have dedicated ourselves to innovating ergonomic solutions to common maintenance procedures.

Enter the THESYS™ ACS ERGO – our patented, dynamic synthesis column with a more operator-friendly design that helps facilitate smooth, and safe, changeover between runs.

## *Built For You™*



## Ergonomic Innovation

ACS ERGO provides the same reliable high performance you are used to from our other synthesis columns but is uniquely engineered to simplify the time between batches. No longer does performing routine maintenance need to be such a time-intensive process with several complicated steps to disassemble, empty, clean and reassemble just as the next batch is ready to be run.

Our latest synthesis column design leverages the dynamic movement of the piston to make setting the fixed bed height easy and efficient. The bolt-free design makes unpacking and cleaning a far less time-consuming process. The purpose-built frame with the custom-designed ergonomic handle assembly makes tilting the column convenient and safe. Every feature of the ACS ERGO has been considered, and implemented, to empower manufacturers to achieve greater productivity.

## Key Features include:

- Bolt free design (innovative I-bar format) to improve efficiency of removing the top of the column to access the process chamber.
- Unique frame with ergonomic handle assembly to facilitate smooth, safe unpacking and cleaning.
  - Capable of handling columns up to 85 cm i.d.
  - Capable of locking at 6 to 9-degree intervals with built-in safety mechanisms to prevent accidental rotation.
- Dynamic piston movement, to allow for simpler bed height adjustment.
- Minimized footprint to integrate into manufacturing floor seamlessly.
- Lockable casters.

## Smooth Column Changeover in 9 Easy Steps

1. Secure column in vertical position with upper section attached to overhead hoist.
2. Remove I-bars and store in convenient storage location on column frame.
3. Lift upper section with overhead hoist.
4. Tilt column for discharging solid support and cleaning.
5. Return column to vertical position and remove bottom plate.
6. Change frits and seals on upper section and bottom plate.
7. Replace bottom plate and charge new solid support into column.
8. Replace upper section by lowering back into place and reinstall I-bars.
9. Lower piston to achieve desired bed height and prepare for next batch.

*See it in Action!*



## Documentation, Support, and Warranty

We understand the importance of compliance and support in your bioprocessing endeavors. That's why all our THESYS products come with a comprehensive GMP documentation package, including a user manual, pressure test certificate, spare parts list, material certificates, and more.

Asahi Kasei Bioprocess provides a reliable technical support network globally, offering extendable 1-year warranties, service contracts, and personalized support to ensure your peace of mind and timely assistance when you need it.



## Contact Us

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