

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[™]



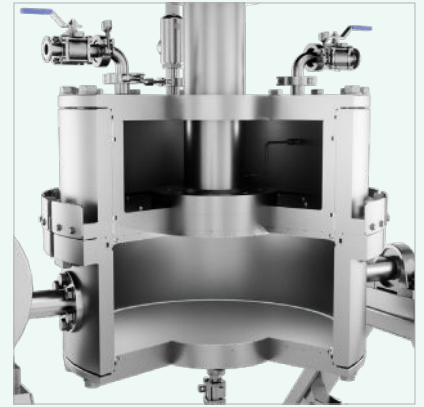
Ergonomic Innovation

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. Performing routine maintenance no longer needs to be such a complex process with several 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 a piston to make setting the fixed bed height easy and efficient. The bolt-free design makes unpacking and cleaning a far more efficient process. The purpose-built frame with the custom 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.
- Three distinct frame sizes with ergonomic handle assembly to facilitate smooth, safe unpacking and cleaning.
 - Capable of handling columns up to 100 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 10 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. Unlock the rotation mechanism.
5. Tilt column for discharging solid support and cleaning.
6. Position column upside down and remove bottom plate with overhead hoist.
7. Change frits and seals on upper section and bottom plate.
8. Replace bottom plate and charge new solid support into column.
9. Replace upper section by lowering back into place and reinstall I-bars.
10. Lower piston to achieve desired bed height and prepare for next batch.





Now available in a range of frame sizes to accommodate your production scale!

See it in Action:



Technical Support Network

A reliable technical support network is available throughout North and South America, Europe and Asia.

Warranty

We offer an extendable 1-year warranty, service contracts and a personalized level of service for peace of mind and timely support when you need it.



Request a quote:
fm-sales@ak-bio.com

Documentation, Support, and Warranty

We understand the importance of compliance and support in your bioprocessing endeavors. That's why all our THESIS 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.