



# titan

continuous processing  
scale-up

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CARL STUART GROUP

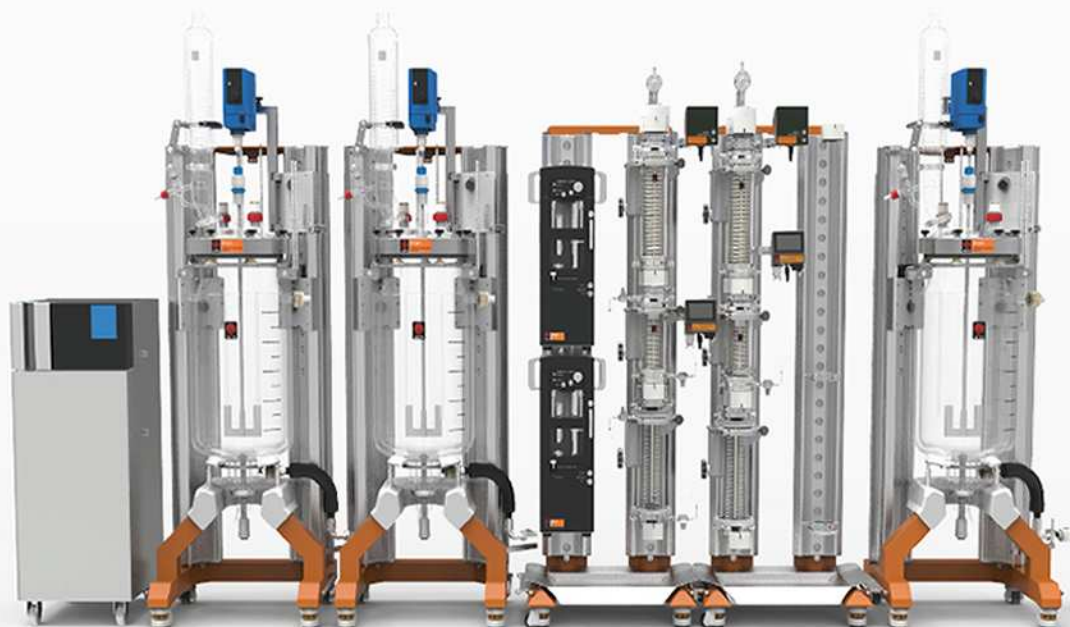
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## » to pilot plant



### Pilot Plant

Titan modules can be assembled into numerous system configurations for quick and easy evaluation of process parameters needed to carry out chemical processes.

Our floor-standing framework allows you to carry out your pilot studies on the plant floor or in walk-in fume cupboards.

## » specifications

- Reactor volumes:** 64 mL and 250 mL reactors can be added in series to cover a wide volume range
- Production rates:** Output suitable for laboratory, pilot plant and manufacturing environments
- System flow rates:** 1 mL/min to 1 L/min
- Pump flow rates:** 1 mL/min to 250 mL/min
- Pressures:** Up to 20 bar
- Temperature range:** -40°C to 250°C
- Types of processes:** Suited for both fast reactions with high mass transfer and heat transfer requirements, and slow reactions. Designed for use with multiple phases
- Chemical compatibility:** Glass, fluoropolymers, Hastelloy, and Elgiloy wetted parts
- Automation:** Control process parameters from the modules, via Titan software, or via pre-existing PLC or plant software
- Safety:** Interlocks, anti-tamper, pressure detection, and auto shut down features