



LBBC TECHNOLOGIES

Engineering the Next Generation
of Process Technologies



LC450 LPLT

Ceramic Core Removal

Operating at safe pressures, the range of LBBC core leaching autoclave systems provides the ideal solution for the safe, reliable removal of Silica (SiO_2) and Alumina (Al_2O_3) ceramic cores with a range of units designed to suit the application or production quantity.

By utilising the beneficial properties of Sodium or Potassium Hydroxide, LBBC Technologies embraced its pioneering **Quicklock® Door** and associated interlock technology to overcome pressure safety problems previously experienced with core leaching, enabling higher temperature cycling. Its leading core removal solution, the leaching autoclave, remains the benchmark in efficient, safe and superior core removal by providing consistent and safe agitation.

Leaching Autoclave

Key benefits:

- LPLT range - Max working pressure 100psi/6.9 bar, max working temperature 320°F/160°C preferred for removal of silica (SiO_2) based cores
- HPHT range - Max working pressure 500psi/34.5 bar, max working temperature 500°F/260°C preferred for removal of Alumina (Al_2O_3) based cores
- Efficient removal of ceramic cores from enclosed cavities
- Reduce cycle times from days to hours
- Easy to operate and maintain through advanced control systems
- Reduced operating costs through optional caustic re-use
- Enhance safety with low temperatures and pressures within a totally contained system
- Designed to handle the ever-changing geometry of cores and castings.



All products are fabricated and built entirely at LBBC Technologies in Leeds, UK to global industry standards including CE, U Stamp and China License, which ensures consistent quality and pressure vessel integrity.

Leaching Autoclave

Key features:

- Quicklock® Door - patented design, fast operation and safe
- Electric heating - economical, efficient, clean and low maintenance
- PLC control
- Automatic operation up to 12 hour cycles
- Integrated water wash cycle for safe removal of product
- Cycle data collection
- Loading baskets
- Caustic re-use
- Reliable, repeatable cycles
- Stainless steel pipework with minimal connections



LC450 HPHT

Model	Chamber Dia	Depth	Primary sector applications
LC450	450mm / 18"	550mm / 22"	Comm, Medical, Aero/IGT, R&D
LC600	600mm / 24"	1200mm / 47"	Aero
LC1065	1065mm / 42"	1800mm / 71"	IGT



About LBBC Technologies and investment in R&D

As world leading designers and manufacturers of autoclave technology since 1876 LBBC Technologies have a wealth of knowledge in the technology and process for mold dewaxing and ceramic core leaching.



The company has a culture of continuous improvement and is working with industry bodies to continue to set the benchmark. LBBC provide extended warranties and ongoing technical support for all products including service, maintenance, training and spares to help optimise use of the equipment.

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