

Acid Digest Laboratory

Argon's Acid Digest Robot Laboratory System features two 7 axis manipulator arms, Argon Thermal heating blocks and JASPPER Control Software. The laboratory is a modular, streamlined system with a unique combination of dynamic sample management, large sample throughput and fully autonomous operation.

Reliable - High production up time

Since 2006 the RLS-AD has been successfully established in the market and features high MTBF, low maintenance and short repair times.

Fast - Short cycle times

The fastest lab system of its class. Using the RLS-AD, cycle-times are considerably reduced thanks to JASPPER scheduling algorithm, combined with unique motion control and various optimisation routines.

Accurate - Consistent sample quality

Outstanding reproducibility (0.001g), volumetric accuracy (0.25mL in 1000mL) and excellent contamination counter-measures.

Versatile - Changes with processes

Can change scheduling, timing and positioning as needed to respond to changes in your process: all through an intuitive, easy to use interface.

Robust - Harsh operating environments

Equipped with custom armour and tooling, the robots are capable of withstanding even the most dangerous chemical environments.

Acid Digest System Overview Processing Rate Upon Request

Daily Output Upon Request

Input Processed ore Output Liquid digestate, ready for analysis. Application Usually low level multi-element analyses are performed - generally trace metal concentrations are of interest. Accuracy Performs ore processing to high levels of accuracy with high repeatability, able to obtain accurate results to the level of ppm and ppb with these systems.

Resources

Application: Acid Digestion

Data Sheet: RLS-AD.pdf