

Aqua Regia Laboratory

Argon's Aqua Regia Robot Laboratory System features two 6 axis manipulator arms 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.

Fast - Short cycle times

Using the RLS-AR, 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 armour and custom tooling, the robots are capable of withstanding the most dangerous chemical environments.

	Aqua Regia Laboratory Overview	Processing Rate	Upon Request	
Daily Output	Upon Request			
Input	Processed ore	Output	Liquid digestate, ready for analysis.	Applicat
element analyses are performed	- generally trace metal concentrations are of interest.		Accuracy	Perform
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: Aqua Regia
Data Sheet: RLS-AR.pdf