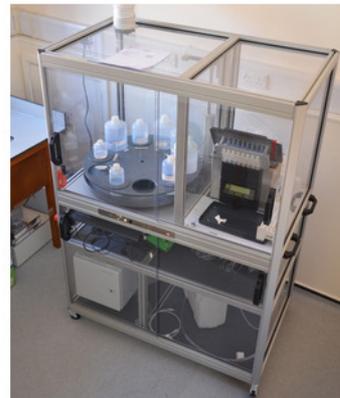


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(**FOR**aminiferal **A**utomated **C**ambridge **C**LEANer)

A recent joint venture with Gemini and the University of Cambridge saw the development of a system designed to automate protocols used for cleaning foraminifer mineral samples for prior geochemical analyses. It also improves reproducibility of the sample by tightly controlling amounts of cleaning reagent, and cleaning duration of each cleaning process. Flexibility of the design allows use of the system for other applications. (Biogenic silica, and other geological samples)

- Customizable carousel to accommodate variable chemical reagents (bottles 0.5, 1, 2 litre capacity)
- Emergency Stop to cut off power supply
- Guardmaster safety switch on door to prevent access to carousel during operation
- retractable shelf for laptop computer which controls the system (operates as a self-contained workstation)



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- Multichannel peristaltic pump controls the flow of cleaning reagents through each individual sample providing precise control on duration and intensity of each cleaning step
- low voltage extractor fan for chemical box
- Sample holder for 32 samples each located in small centrifuge tube which can accommodate either bulk sample or individual foraminifera shell
- Non-marking locking castors

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 [gemini_poster_-_foracCLE.pdf](#)
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