

# Bespoke Engineered Solutions to the Nuclear Industry

## GBC SL 160 Application Case Study



Working in collaboration with a leading nuclear body, GBC Industrial Tools developed the SL160 with the highest possible level of quality, functionality and operator safety in mind to deliver a bespoke engineered solution - right first time and on time.

With the ongoing decommissioning of the World's nuclear legacy, the requirement to store hazardous, radioactive waste still poses a problem - especially as a lot of the storage containers are approaching the end of their safe life.

Following a successful conceptual trial, GBC UK were approached by one of our key nuclear partners to design, develop, and commission an effective solution for the opening of a range of nuclear containers as part of a repackaging project in the UK.

GBC UK, working with our sister company in Italy, GBC SpA, the client design engineers, project managers and site operators we developed the SL160 Fully Sealed Machine.



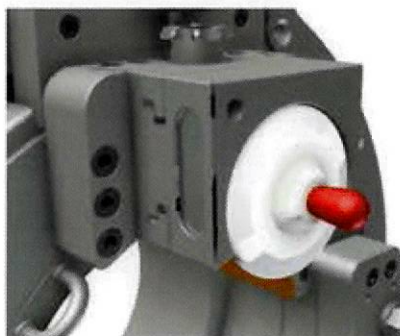
The final design of the machine was engineered, manufactured and commissioned during the course of 12 months with numerous design changes to make the machine design safer, more operator friendly, and in some cases simpler by design.

Following this intensive development process the SL160 has now been successfully commissioned & installed into one of the most high profile nuclear contracts in the UK with huge success.

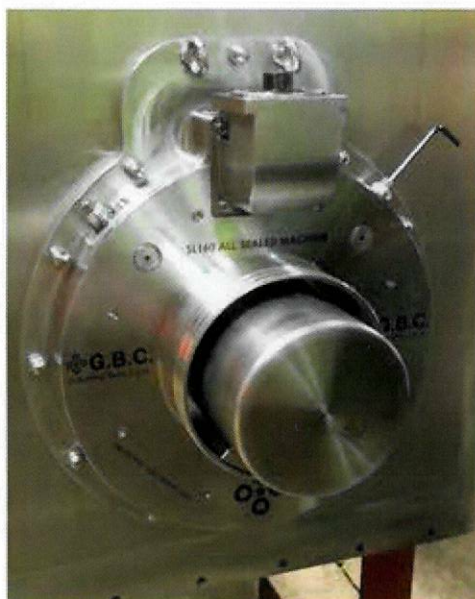




## SL160 Key Design Features



Quick change tool cartridge with magnetic guarding protects the operator from sharp edge of the cutting wheel and offers ease of replacement when worn



Hermetically sealed design allows for the SL160 to be mounted to glove boxes and other containment vessels with confidence - all machines are supplied vacuum tested to 0.05% leak rate prior to signing off of LTQR's



Indexing striker pin integral to the machine automatically feeds the cutting wheel towards the machine centre line without operator interface



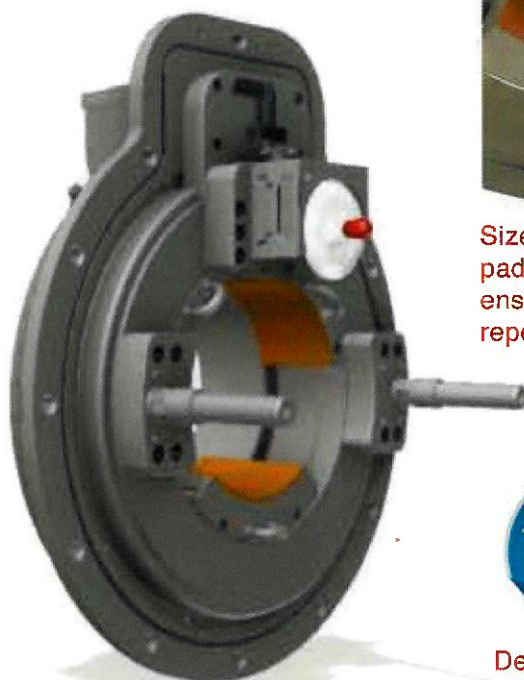
Clamping pads actuated externally from glove box, and maintenance can be carried out without a break in chamber containment



Size specific, quick change clamping pads give full support to the can OD ensuring accurate centring for effective repeatable cutting results



Achieves a burr-free cut once the cut has been completed, allowing the operators to handle the opened container without chance of cuts to gloves or hands.



Designed and manufactured in Italy to the highest of standards in accordance with ISO 9001:2015

**For further information on the SL160, or on how GBC could help you please contact us on [sales@gbc-uk.com](mailto:sales@gbc-uk.com) or +44 (0) 1844 201 555**