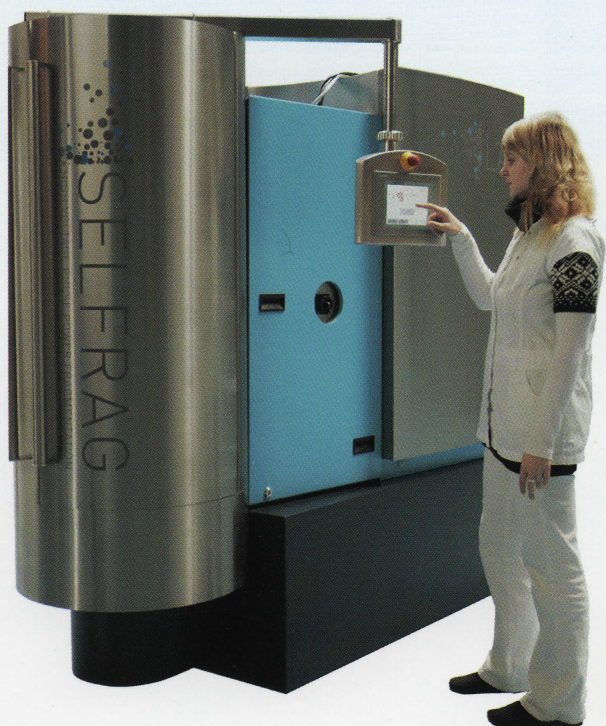


# Geochronology and isotopic analysis

**The advantages of SELF FRAG** selective fragmentation technology are that single grains remain intact during separation; mineral grains are liberated free of alteration; crystal faces and grain surfaces are clean and undamaged; much fewer fines are produced; fluid inclusions remain intact and the chemistry of the mineral grains is unchanged. Fractured and altered mineral grains will be cleaned and separated, while un-fractured and unaltered crystals will emerge cleaned and intact. For example, when liberating zircons, in contrast to mechanically crushed

samples, no remnants of other minerals are found on the zircon surfaces, and the zircon crystals remain intact. Effective liberation means that much smaller samples are required, and every mineral in that sample can be separated effectively, increasing the number of different analytical approaches to understanding your sample. This system is well-suited to borehole core, ultramafic nodules and similar limited, rare and difficult to obtain samples. Take what you want, and the rest of the sample is available to others for further studies.



*Effective and clean separation of mineral phases in a rock*