

Proper Care and Handling of Samarium Cobalt Rare Earth Magnets

Children should not be allowed to handle samarium cobalt magnets as they can be dangerous. Small magnets pose a choking hazard and should never be swallowed or inserted into any part of the body.

The samarium cobalt magnets provided with the Simple Pro Heated Bed Upgrade are extremely strong, and must be handled with care to avoid personal injury and damage to the magnets. Fingers can be severely pinched between two attracting magnets. Samarium Cobalt magnets are brittle and can peel, crack or shatter if allowed to slam together. Eye protection should be worn when handling these magnets because shattering magnets can launch pieces at high speed.

The strong magnetic fields of these magnets can damage magnetic media such as floppy disks, credit cards, magnetic ID cards, cassette tapes, video tapes and similar items. They can also damage televisions, VCRs, computer monitors and other CRT electronics. Never bring rare earth magnets near any of these items.

Never allow samarium cobalt magnets near a person with a pacemaker or similar medical device. The strong magnetic fields of the magnet can affect the operation of such devices.

Samarium Cobalt magnets are brittle and prone to chipping and cracking. They do not take kindly to machining. Samarium Cobalt magnets will lose their magnetic properties if heated above 572 degrees Fahrenheit (300C). Samarium Cobalt magnets should never be burned, as burning them will create toxic fumes.