

Magnetic Resonance Imaging

Why stainless?

Non magnetic.

Fabrication process:

Not applicable.

Grade:

Austenitic stainless steels.

Manufacturer:

Not available.



Magnetic Resonance Imaging (MRI) is a powerful medical imaging technique. MRI is based on the physical and chemical principles of nuclear magnetic resonance (NMR), a technique used to gain information about the nature of molecules.

During a MRI scan, a strong magnetic field aligns the nuclear magnetisation of (usually) hydrogen atoms in water in the body. The use of non-magnetic materials

in the equipment is therefore mandatory. A computer interprets the data, and creates images that display the different resonance characteristics of different tissue types. Trained medical staff can examine the resulting image and use the information to diagnose many different types of medical conditions within the human body.

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