

Title _____

⇒ Components of MRI :→ These are four main component of MRI.

- (i) A magnet which produces a very powerful uniform magnetic field.
- (ii) Gradient Magnet which are much lower in strength.
- (iii) Equipment to transmit radio frequency (RF).
- (iv) A very powerful computer system, which translate the signals transmitted by the coils.

⇒ Magnet :→ The most important component of MRI scanner is the best magnet. The magnets currently used in scanner are in 0.5 tesla to 2.0 tesla (5,000 to 20,000 gauss)

There are three types of Magnets in MRI
(i) Resistive Magnet (ii) Permanent Magnet (iii) Super conducting Magnetic. (Mostly use)

⇒ MRI Scanner :→

