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A STUDY OF EQUIPMENT FOR MAGNETIC RESONANCE IMAGING

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ABSTRACT

The majority of MRI gear vendors are not experts in NMR. Some are electrical businesses, but the majority produces a wide range of medical devices, including X-ray and CAT scanners. Due to the high price of MRI equipment, this market is worth billions of dollars and has several players. Magnetic resonance (MR) pictures were first created using resistive coil magnets. Unfortunately, even the most powerful equipment cannot generate fields greater than a few tens of a Tesla. High, steady fields are required for better resolution, but they are difficult to create. Powering and cooling resistive coils requires a lot of electricity. That's why you seldom come across a resistive magnet these days.