

Hitachi AIRIS I



Typical Manufacturer's Picture

- Outstanding Balance in Openness, clinical performance, easy sitting and low operating costs.
- 0.3 Tesla field strength
- Advanced permanent magnet Technology
- A full array of acquisition techniques and tools for achieving optimal clinical

These features make AIRIS the ideal solution for today's MR applications and positions its users to stay on the leading edge. The AIRIS operates at 0.3 Tesla, providing high signal to noise ratio (SNR) for all clinical procedures including FSE (Fast Spin Echo), MRA (Magnetic Resonance Angiography) and high-resolution imaging.

The AIRIS permanent magnet utilizes non-conductive rare-earth pole materials, together with a unique design to avoid gradients bounce-back resulting from eddy currents. The need for expensive active shielding which is required on conventional MR systems is thus eliminated.

AIRIS utilizes a revolutionary permanent magnet material called NEOMAX. It delivers more field strength per kilogram than other magnetic materials thereby achieving higher field strength, with higher homogeneity and stability, while maintaining easy sitting.



166 Highland Park Drive, Bloomfield, CT 06002 U.S.A.
Tel: (860) 218-2575 Fax: (860) 218-2565 Email: soma@somatechnology.com

Specifications

Gantry



Award winning asymmetrical design
Gap: 43cm (17 inches)

Table



Table width: 80cm (31.5 inches)
Table drop: 45cm (17.7 inches)
Table weight limit of 500 lbs
Two speed power driven longitudinal movement

Gradient System



8mT/m Gradient Amplitude
11T/m/sec Slew Rate

Computer System



16MB memory
High-resolution display
(512 X 512)
DICOM 3.0 compliance (optional)



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Magnet



0.3 Tesla
Permanent
Vertical Orientation
Self Shielded
6.6'(h) x 8.2'(v) 5 Gauss fringe field
Three-axis, per patient shim
Post to post: 110cm (43.3 inches)

Soma Technology, Inc.



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