



# Expand your applications

**Philips Diamond Select refurbished systems** Achieva 1.5T

The Achieva 1.5T from Philips helps you to do more in every way. Faster exams, a wider application arrange and enhanced workflow are just some of the results of the Achieva's "Do more" philosophy.

**PHILIPS**

### Enhanced patient comfort

The Achieva 1.5T is designed for enhanced patient comfort and throughput. The appealing design provides a spacious system with high patient access, virtually eliminating claustrophobic effects to create a positive patient experience.

Achieva's exclusive Patient Comfort Zone features mirrors that enable patients to see outside the magnet and a headset for their favorite music. The ingenious SoftTone technology reduces patient-perceived acoustic noise. To improve patient - operator communication, the Achieva offers an optional built-in, in-bore camera for patient monitoring. And a special in-room display lets patients see the operator or watch their favorite video clip.

### Advanced clinical performance

The Achieva 1.5T gradient systems enable the performance for today's demanding and advanced clinical applications. In combination with FreeWave, the Achieva gradient system delivers exceptional sequence performance in terms of minimum TE/TR. This performance is achieved over the entire 53 cm field of view with an excellent linearity.

The Achieva 1.5T is available with Pulsar gradient (amplitude 33 mT/m, slew rate 80 mT/m/ms) Nova gradient (33/160) and Nova Dual gradient (33/160 or 66/80). The Nova Dual gradient system delivers the advanced performance levels required for demanding clinical applications, including high-resolution short TE/TR and EPI acquisitions.

### Scalable RF data acquisition

Philips breakthrough FreeWave RF data acquisition system, with its modular 32-channel architecture, provides a scalable number of channels and receivers. The result is an increased signal-to-noise-ratio and no data or workflow bottlenecks. A 3 MHz bandwidth allows high resolution scanning and fast strong linear gradients provide excellent image homogeneity and short TEs and TRs.

FreeWave takes Philips SENSE parallel imaging to even higher levels of performance. SENSE enables scan speed increases up to a factor of 8 in all directions, and increased image resolution in standard scan times.

### ScanTools

ScanTools clinical imaging software provides anatomy-specific packages that enhance speed and quality in key application areas. And SENSE parallel imaging is standard in all applications.

### ExamCards

ScanTools also includes ExamCards - complete clinical studies, selectable with a single touch - for all key applications. ExamCards shorten exam time, require minimal interaction, reduce training requirements and make it easy to download and use protocols.

### MR Workspace

The MR WorkSpace provides extra ease and flexibility in viewing and post-processing. You can work with MR data wherever you need to, and the new 23" wide-screen console offers better viewing of results with greater data transfer capabilities.

### NetForum

Philips NetForum gives you access to Philips experts and the MR community worldwide. On-line, it provides a host of web-enabled capabilities that enhance your day-to-day efficiency and keep you in touch with new developments in MR. NetForum enables the downloading of proven ExamCards right into your scanner and plugs you into support from user groups worldwide - today and well into the future.

### A smart investment by any measure

The Achieva 1.5T provides superb patient friendliness, functionality and versatility. This high field MR scanner is fully customizable to fit your working style and situation. The advanced architecture allows you to add clinical packages as your needs change and to expand your application mix and referral base when required.

The systems' open architecture and DICOM compatibility enable connection with a variety of networking and information management infrastructures.



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