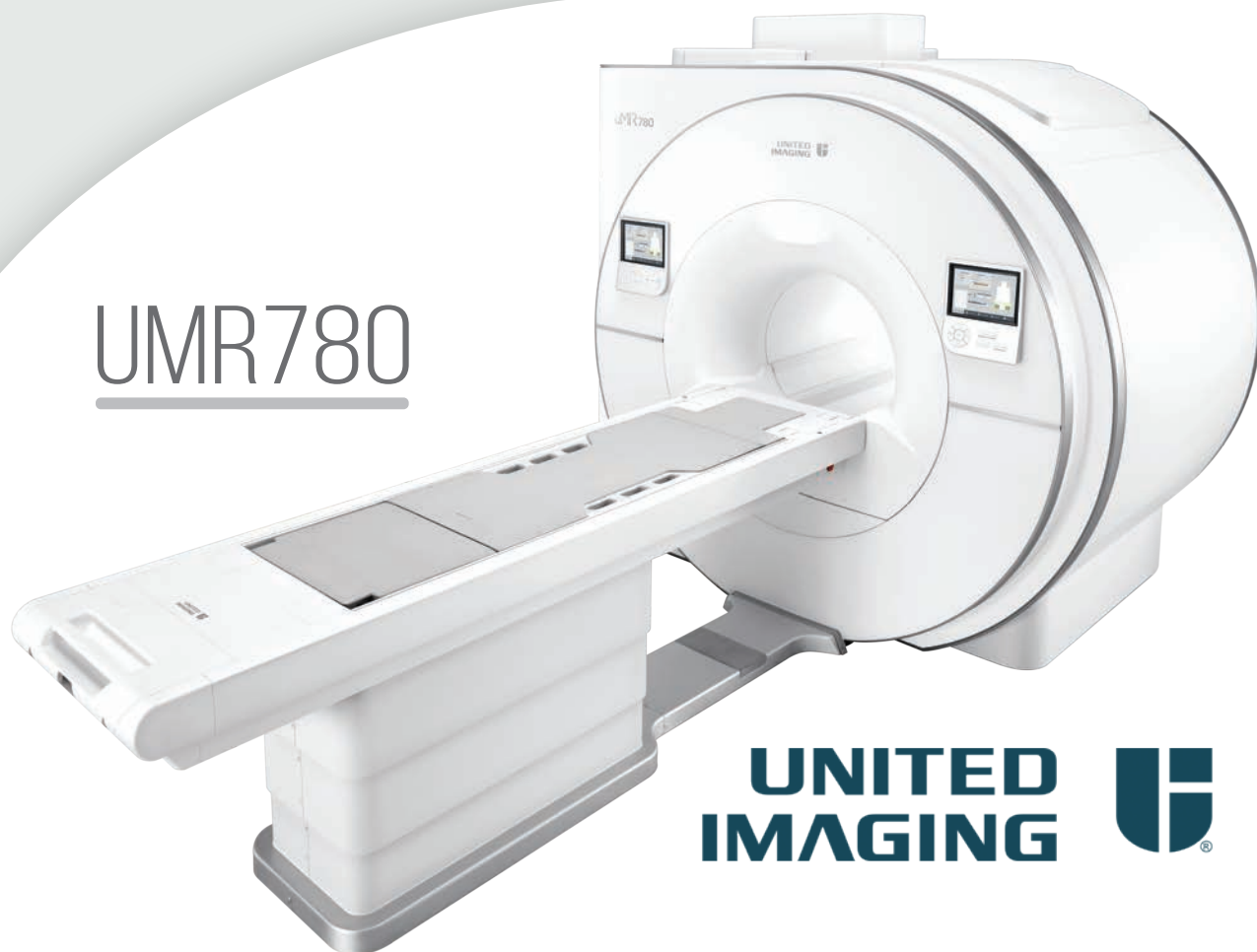


RADON

MEDICAL IMAGING

PRODUCT OVERVIEW

UMR780



**UNITED
IMAGING** 



radonmedicalimaging.com

WEST VIRGINIA
866-723-6698

VIRGINIA
800-722-1991

SOUTH CAROLINA
800-722-1991



VERTICAL INTEGRATION

- Our modern platform is built with extraordinary attention to detail and high quality. The purposeful design allows for better control and monitoring of system functions.

UNIQUE COIL SOLUTIONS



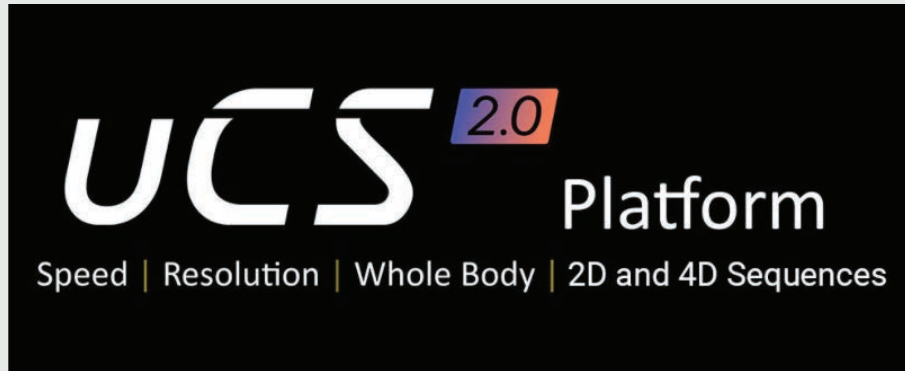
- Dedicated in-house coil development allows for a high degree of quality assurance, while the patient-oriented design helps assure comfort. Each coil element uses an independent low-noise amplifier to maximize the signal-to-noise ratio during acquisition.



UCS 2.0 PLATFORM

The uCS Platform enables efficient application of compressed sensing with a routine clinical workflow for 2D and 4D MR exams. The next-generation uCS imaging technology pushes clinical boundaries of isotropic resolution and dynamic imaging speed.

uCS combines the strength of conventional acceleration technologies and innovative compressed sensing, breaking through the limits of both speed and resolution with a maximum acceleration factor of 36x and high, sub-millimeter isotropic spatial resolution.



UCS PROCESSING ENGINE

The uCS Processing Engine is a high-performance computing technology that includes memory, data network, and premier CPU. The intelligent reconstruction algorithm complements the outstanding computational power, resulting in ultra-fast reconstruction.

3.0T Superconducting Magnet

Zero Helium Boil Off ***

50 cm x 50 cm x 50 cm Max FOV

0.055 ppm @ 30 cm DSV Homogeneity*

32/48 RF Channels



2nd Order Shimming

42 mT/m; 200 T/m/s Gradient

** Up to 36x Acceleration Speed

250 kgs. Max Patient Weight

High-Performance Coils

* Typical value (0.110 ppm guaranteed)

**As compared to non-accelerated imaging techniques

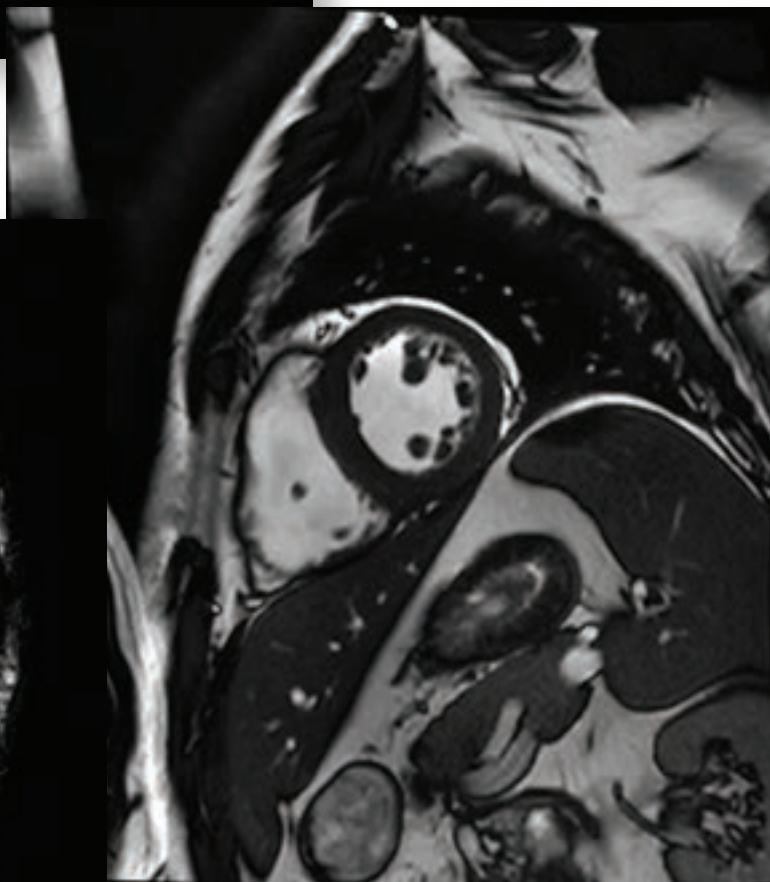
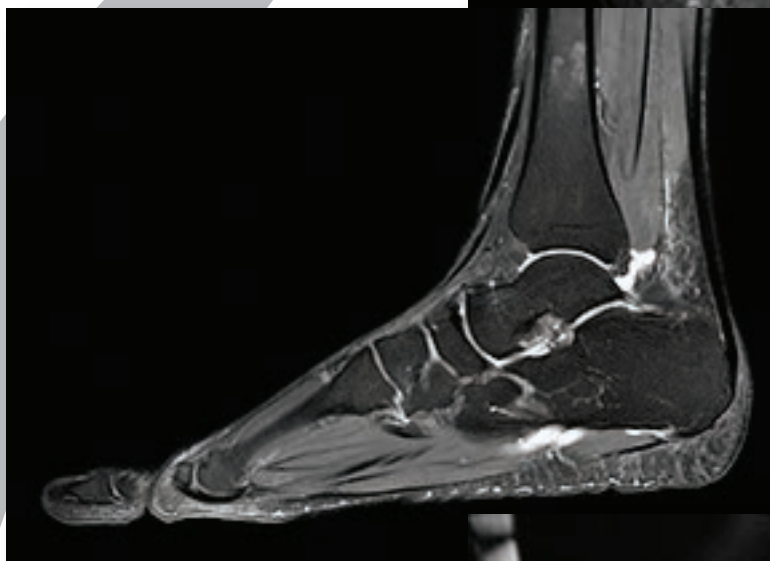
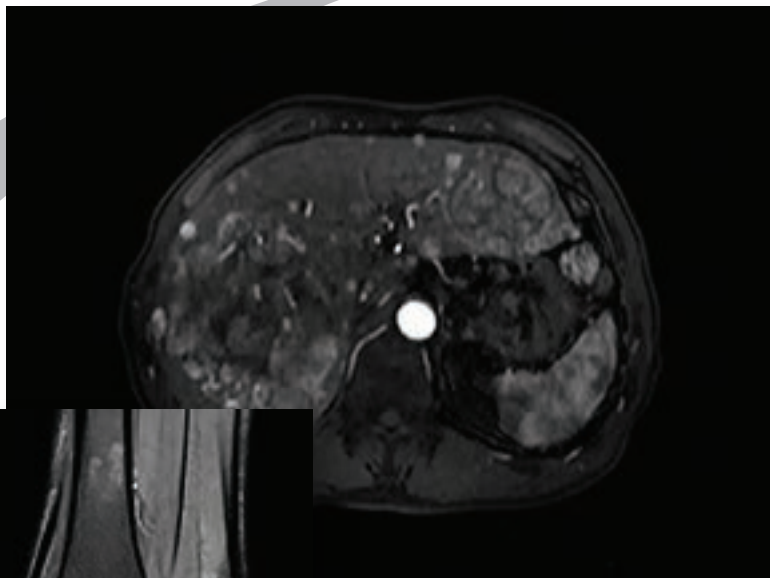
***Under normal conditions



A POWERFUL SYSTEM

- **High-Performance Gradients**
Vertical integration in manufacturing means we ensure quality from raw materials to precision assembly of the gradient coils. The high gradient performance of the uMR 780 helps improve the signal for high quality imaging and fast acquisition speed.
- **High-Density RF Channels**
The high channel-count RF receiver architecture enables the full use of high-density surface coil arrays, thus significantly increasing image signal-to-noise ratio (SNR). Multiple high-density coils used in different combinations can reduce scan time and improve workflow efficiency.
- **Ultra-High Uniformity Magnet**
The powerful 3.0T magnet uses a 170 cm short-magnet design to ensure high homogeneity of the magnetic field, which helps create fast imaging and excellent fat saturation over a large FOV.







FAST.
ACCESSIBLE.



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UMR780

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