

TOMORROW TODAY

SIGNA™ Creator

Fueled by SIGNA™Works



gehealthcare.com/mr





LEAP AHEAD

and create your future in imaging

Create a new diagnostic future with SIGNA™ Creator, packed with the latest and leading-edge MR technology. It covers an impressive range of applications and delivers excellent image quality and patient comfort, whilst improving workflow and keeping total cost of ownership low.

Experience an extraordinary foundational MR system with SIGNA™ Creator that will open a whole new world of opportunity.





REVOLUTIONIZE

your clinical potential

Redefine your clinical offering with the formidable power of SIGNA™ Creator. Deliver consistently excellent images, covering all patient types and clinical areas.

- Proven homogeneous magnet consistently delivers high quality images across a larger FOV than most other MR systems
- OpTix Optical RF technology can provide a gain in SNR of up to 27% over conventional analog signal receivers, improving image quality and clinical confidence

- SIGNA™Works enables new dimensions of clinical performance. The portfolio of applications gives you neuro performance with automated motion correction, MSK performance with cartilage mapping, multi-planar body imaging with quantitative capabilities, and vascular performance with non-contrast and automated time-resolved imaging

SIGNA™ Creator liberates you from the limitations of traditional imaging to bring you tomorrow's abilities today.



SIGNA™ Works

The new standard is extraordinary

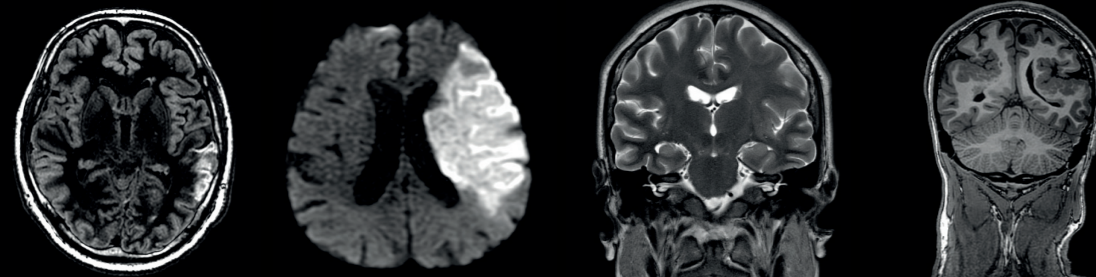
Our SIGNA™Works productivity platform redefines what's possible. The SIGNA™Works standard applications portfolio is an extensive set of high quality and efficient imaging capabilities that enables you to achieve desired outcomes across your entire practice area.

It is value-added technology that's upgradeable and can be customized further, giving you the flexibility to add applications to suit the needs of your growing practice.

Energize

Phenomenal exams to meet
your clinical needs

The SIGNA™Works applications portfolio contains NeuroWorks, OrthoWorks, BodyWorks, OncoWorks, CVWorks and PaedWorks. These imaging solutions cover a wide variety of contrasts, 2D and 3D volumetric data, including motion correction capabilities. SIGNA™Works provides all the tools you need to complete a clinical exam.



Cube
DIR, T1, T2, PD, FLAIR
Superb tissue contrast
Decreased flow artifacts
3D Volumetric

eDWI
Multi-bv, 3 in 1, Tetrahedral
Higher SNR and sensitivity
Shorter TE
Less distortion

PROPELLER MB
T1, T2, PD, FLAIR, DWI
Improved motion insensitivity
Decreased flow artifact
Decreased susceptibility

BRAVO
3D FSPGR with IR Prep
Superb gray/white differentiation
3D Volumetric

NeuroWorks

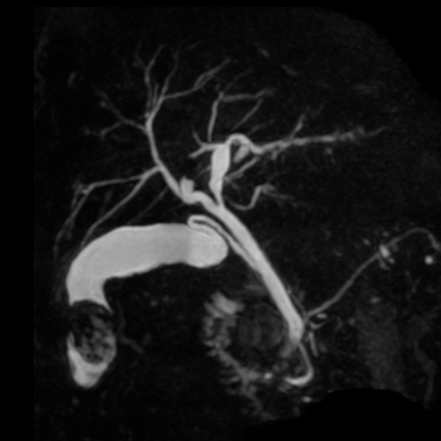
This one-stop solution enables you to image brain, spine, vascular and peripheral nerve anatomy with exceptional tissue contrast. These motion-insensitive techniques feature single-click auto alignment, providing the complete neuro solution from scanning to post processing.

- Cube, our 3D volumetric imaging suite, allows you to suppress CSF and either white or gray matter to increase lesion conspicuity
- PROPELLER MB, is a multi-shot approach that preserves tissue contrast regardless of weighting while also reducing motion artifacts.

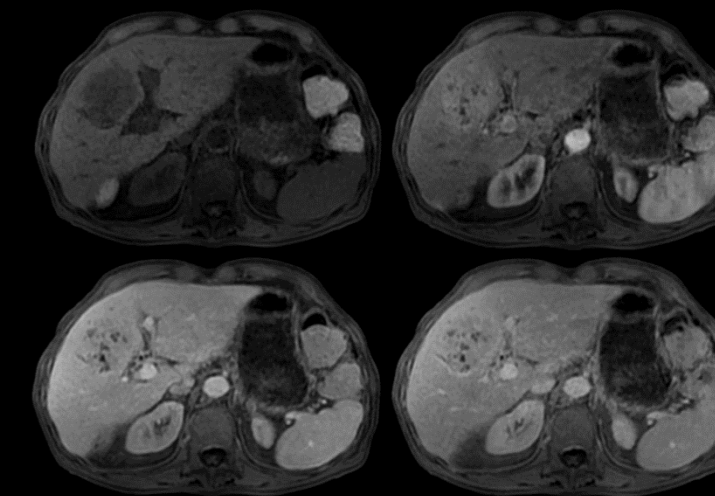
BodyWorks

This all-inclusive library allows you to image whole-body, abdominal and pelvic anatomy with speed and flexibility to adapt to different patient types.

- Auto Navigator combats respiratory motion in abdominal imaging. This free-breathing approach is compatible with multiple pulse sequences including diffusion, PROPELLER MB, MRCP and dynamic T1 imaging.



3D MRCP
1.4 x 1.4 x 1.2 mm

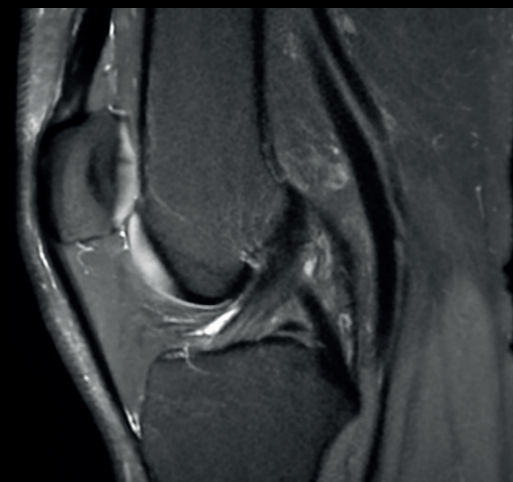


Axial Navigated Turbo LAVA. Free-breathing Dynamic Liver
1.9 x 2 x 4 mm
0:20 sec / phase

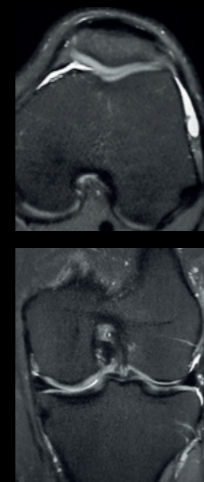
OrthoWorks

This extensive library of musculoskeletal imaging techniques enables you to image bone, joint and soft tissue with remarkable tissue contrast.

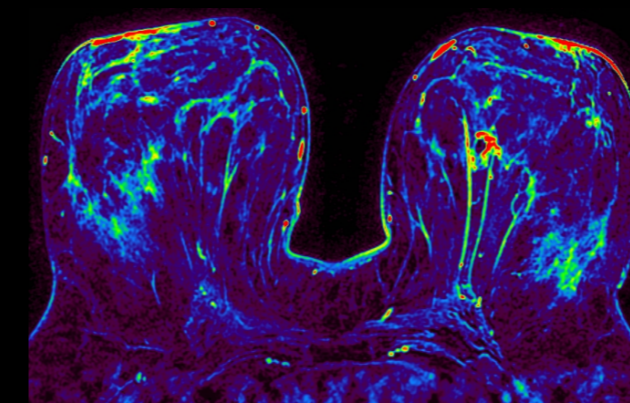
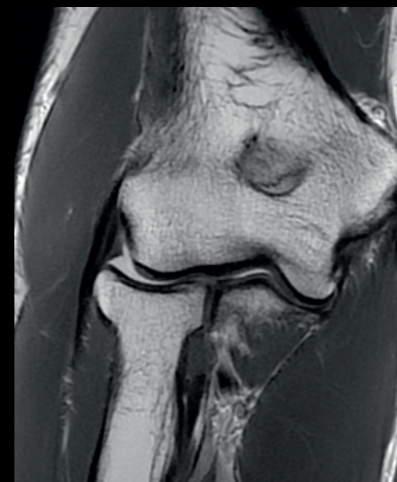
- 3D volumetric Cube with proton-density, combined with ASPIR, enables improved fat suppression uniformity. With one 3D acquisition and multi-planar reformats, Cube may replace individual 2D scans.



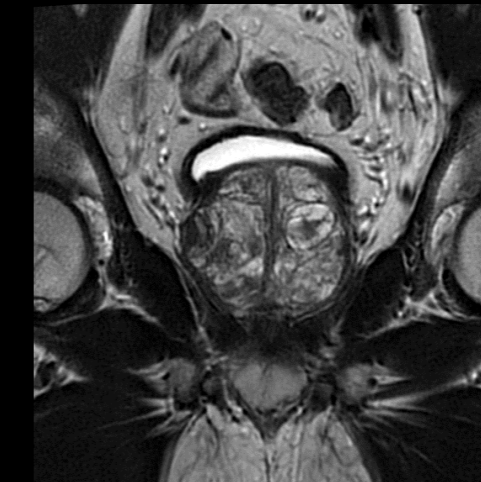
Sagittal PD FatSat Cube
0.6 x 0.6 x 0.6 mm



Coronal PD PROPELLER
0.4 x 0.4 x 3 mm



FSPGR Axial Dynamic
1 x 1 x 1.5 mm



Coronal T2 PROPELLER
0.8 x 0.8 x 3 mm

OncoWorks

A collection of techniques for capturing anatomic and morphologic data to enable oncological assessment of anatomy. OncoWorks includes robust tissue contrast, motion-insensitive, high temporal and spatial resolution imaging.

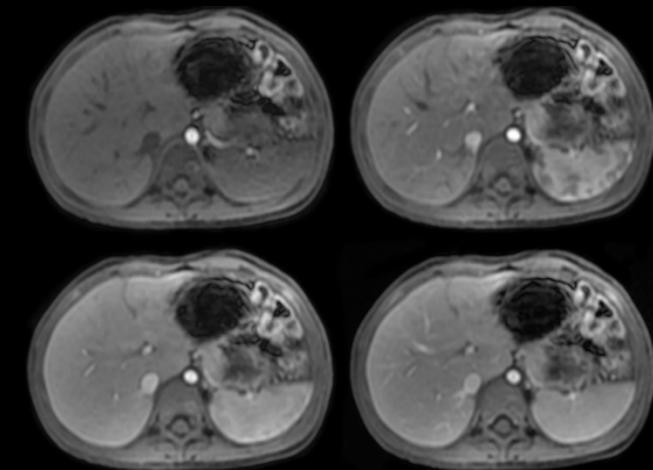
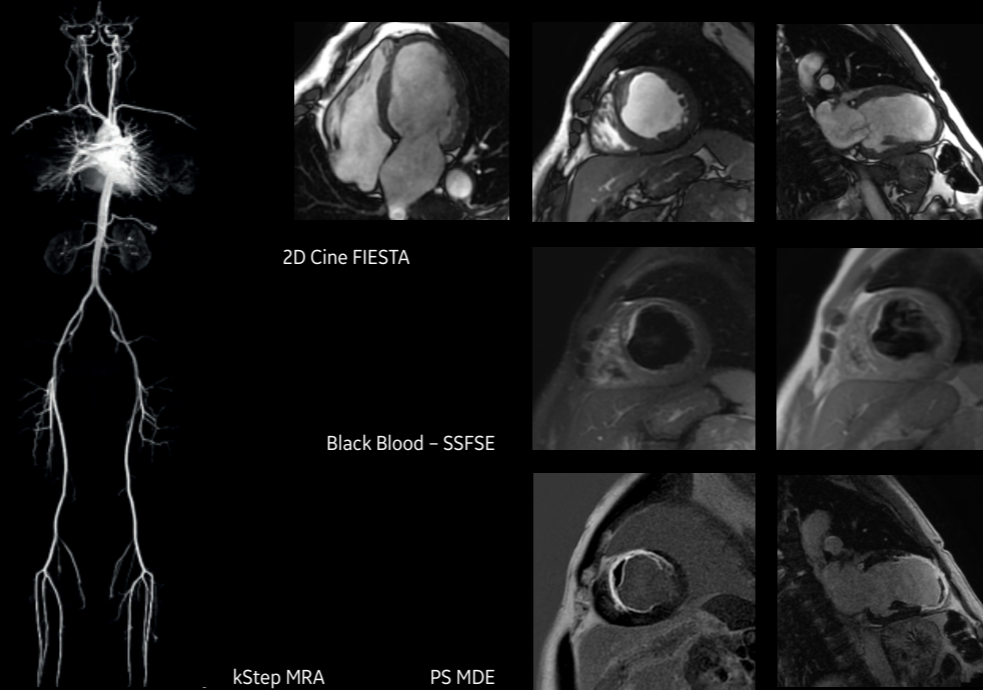
- 3D volumetric imaging with an optimized adiabatic fat suppression, combined with ARC or ASSET, provides high spatial and temporal resolution capture contrast uptake patterns
- Show lesion characteristics generated using positive enhancement map
- Small FOV and motion-correction prostate imaging with PROPELLER.

CVWorks

Intuitive cardiac techniques that adapt to different patient types.

Assess morphology, flow, function and tissue viability and gain crucial insights into vascular structure and flow dynamics.

- Single Shot MDE and Black Blood techniques provide patient-friendly alternatives to uncomfortable breath-holds
- With our workflow-simplified QuickStep protocols, scanning whole body vasculature can be done in less than 6 minutes. High-performance gradients allow bright blood pool and myocardial tissue contrast on Cine FIESTA while preserving spatial resolution.



Axial Turbo LAVA with Auto Navigator
Free-breathing Dynamic Liver
1.2 x 1.7 x 2.6 mm
0:25 sec / phase



PaedWorks

Providing specialized protocols to simply address the needs of your smallest, most fragile patients. Child-centric imaging techniques such as free-breathing and faster exams provide ease of use for technologists and clinical excellence for clinicians.

- Dynamic T1 imaging with Auto Navigator, which enables the patient to breathe freely while capturing contrast in fast temporal phases
- Whole spine evaluation can be obtained simply with routine T2 frFSE imaging.

Sagittal T2 frFSE

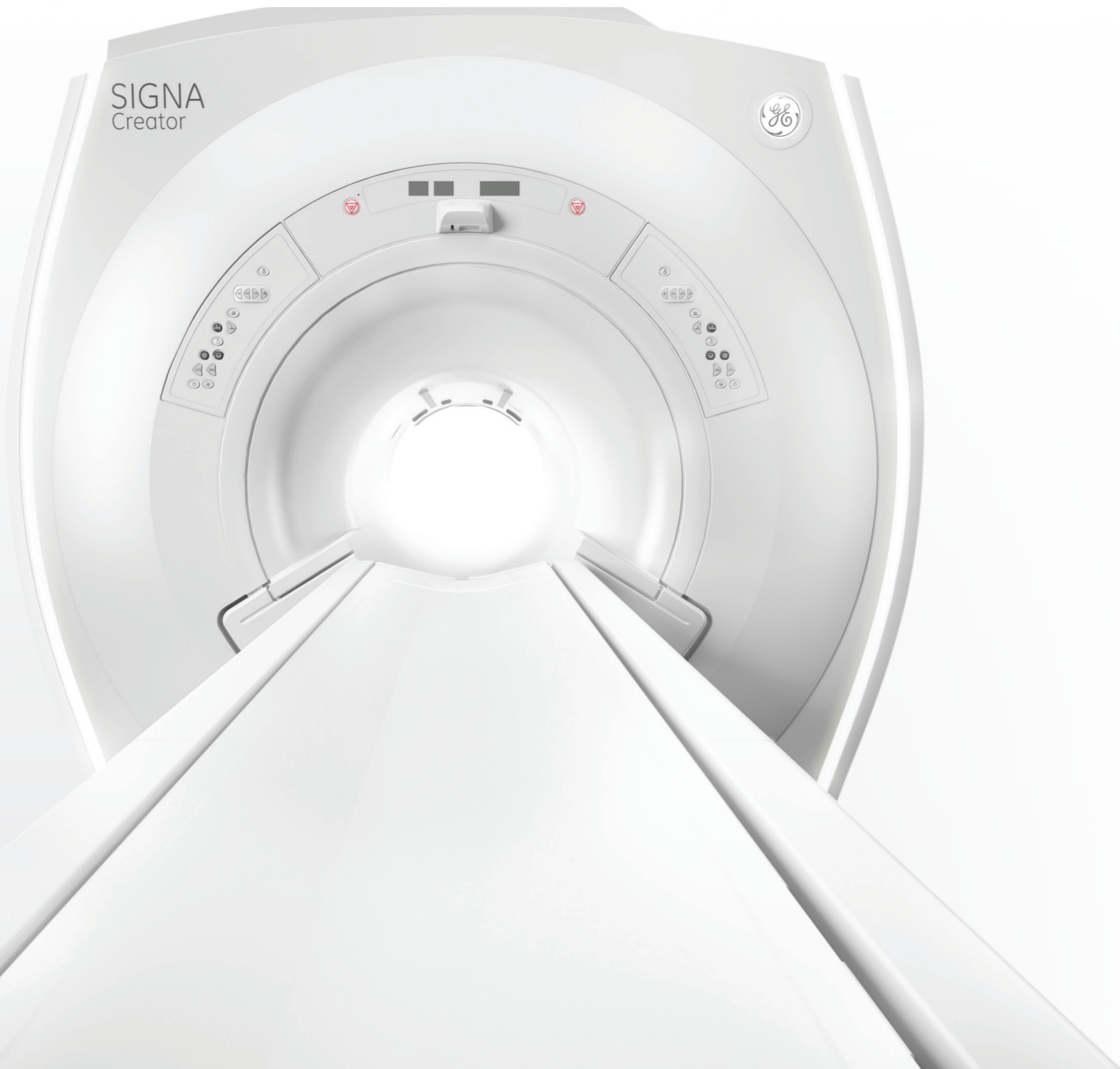
TRANSFORM

your workflow and throughput

Unshackle yourself from the operational constraints of conventional imaging technology and experience extraordinary workflow efficiency with SIGNA™ Creator.

Its intuitive tools simplify access to its wide range of MR capabilities, to produce uniform, high-quality images. For example, the Express Suite coil design achieves outstanding coverage and signal penetration. And the automatic coil selection helps enable quick and consistent exams.

Robust applications not only give you consistently excellent imaging performance but help to improve workflow. Motion correction techniques like PROPELLER, potentially reduces the need for rescans and the impact of patient movement on workflow.



Express and flexible coils

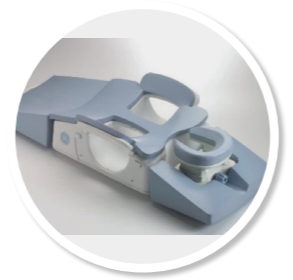
Express coil suite design eliminates coil changes between each exam



8ch Express Head Neck Array



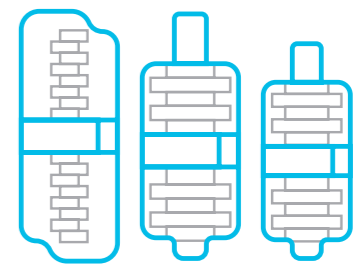
8ch Express Anterior Array



8ch Breast Coil with Biopsy



8ch Flex Coils Large, Medium and Small



8-channel Flex Coil Suite accommodates a wide range of body types

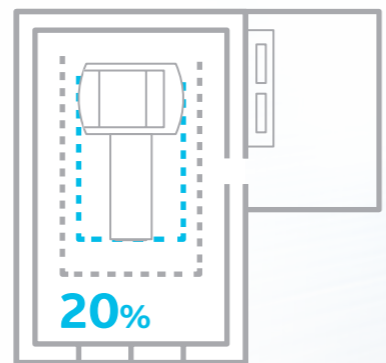
Enhance

your financial performance
with operational efficiency

SIGNA™ Creator has energy-saving, Ecomagination-certified technology and a space-saving footprint. We also provide customizable service and training programs with the ability to upgrade your system through our SIGNA™ Continuum™ program, when the time is right. All of which helps to improve your operational efficiency.



Ecomagination-certified technology provides up to 34 percent energy savings*



Designed to use over 20 percent less space with a small 27 m² footprint for easy siting and installation†

GE's exceptional service coverage means you have a range of customizable service plans to choose from, along with access to digital services such as InSite™ OnWatch, so you can get technical support at the touch of a button and maximize uptime.

Our training and education programs can be tailored to include virtual assistance that connects you with our clinical experts in real-time. In addition to local support, you'll have access to step-by-step guides and training materials at your fingertips.

SIGNA™ Creator also uses the same proven, high-quality magnet throughout our 1.5T product line, giving you the advantage of easy, economical upgradeability as part of the GE MR Continuum™.

SIGNA™ Creator: Designed to propel your financial power into a flourishing future.

* Under normal operating conditions, when compared to previous generations of MR systems.
† Compared to the average siting space required of other 1.5T MR systems.



GE Healthcare is a leading provider of medical imaging, monitoring, biomanufacturing, and cell and gene therapy technologies.

GE Healthcare enables precision health in diagnostics, therapeutics and monitoring through intelligent devices, data analytics, applications and services. With over 100 years of experience and leadership in the healthcare industry and more than 50,000 employees globally, GE Healthcare helps healthcare providers, researchers and life sciences companies in their mission to improve outcomes for patients around the world.

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Imagination at work

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