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ecoline Product Guide 2016

Certified performance. Exceptional value.

Certified by Siemens Healthcare to Perform Like New

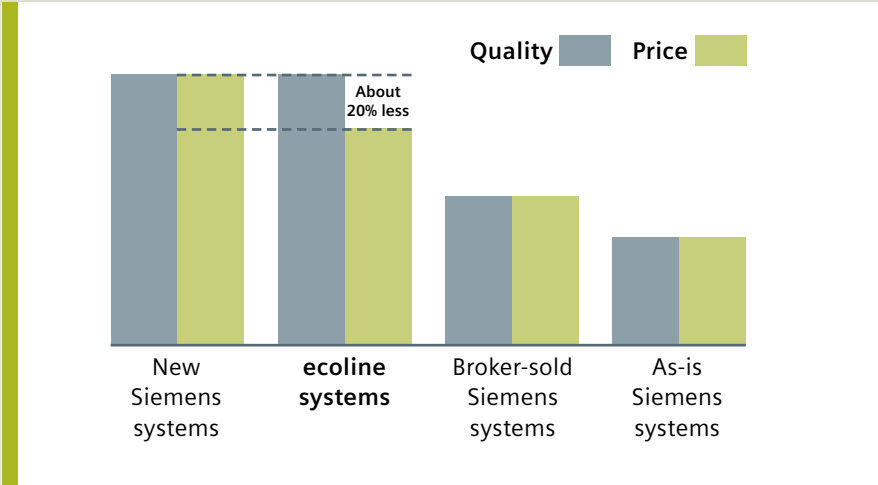
ecoline systems offer the best of Siemens Healthcare technology for a fraction of the cost of new equipment. Each system is refurbished following a strict certification process and tested with the same specifications as new systems.

Our process goes well beyond the basic cleaning, disinfecting, and aesthetic repairs sometimes available with competitive offerings. You can configure your ecoline system to meet your exact clinical needs and budget.

And we install the latest software, replace worn parts with original parts, and provide a full warranty and service to help maximize system performance and your return on investment.

Market Comparison

ecoline systems deliver Siemens Healthcare quality at significantly reduced prices.



Value and Performance without Compromise

With ecoline systems, you do not have to compromise on quality because of budget constraints. Whether your focus is on improving care delivery and safety, expanding clinical capabilities and service lines, or being more competitive in your market, ecoline systems deliver the value and performance you expect at a price you may not.

For More Information

Contact your Siemens Healthcare representative and visit usa.siemens.com/ecoline.

ecoline

With more than 7,500 ecoline systems sold worldwide since 2009, our refurbished equipment continues to have a positive impact on our customers' bottom lines and the environment:



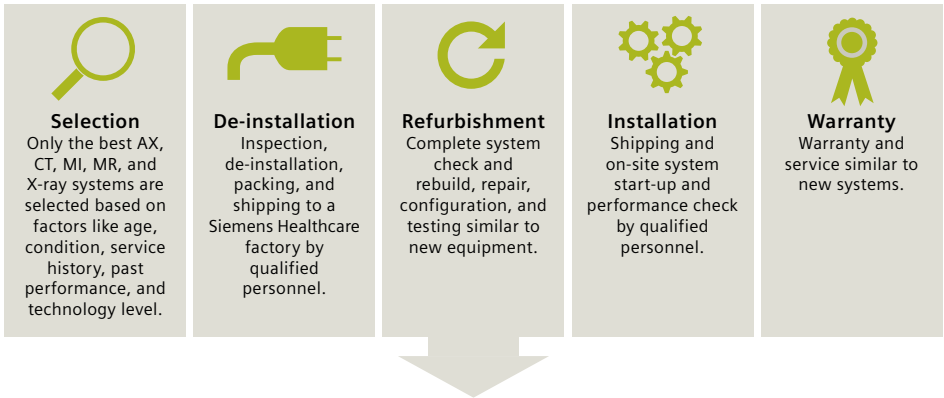
More than 20,000 tons of CO₂ is saved annually from our refurbishment program, which equates to the electricity consumption of about 5,700 households.



When ecoline systems are sold, we plant trees in Sebangau National Park in cooperation with WWF Indonesia. Tens of thousands of trees have already been planted, covering about 64 hectares so far.

Five-Step Quality Process

Pre-owned imaging equipment must look and perform like new. All ecoline systems are expertly refurbished following a comprehensive, ISO-certified process and tested with the same tools and protocols as new systems for greater reliability and consumer confidence.



Key Differentiators

The ecoline quality process surpasses the refurbishment basics of broker-sold systems.

	Clean	Disinfect	Aesthetics	Software	Hardware
ecoline systems	✓	✓	✓	✓	✓
Broker-sold systems	✓	✗	✗		

- ✓ Thorough system cleaning, disinfecting, and aesthetic repairs.
- ✓ Configured to your specific needs and budgets.
- ✓ Rebuilt with only certified parts and hardware.
- ✓ Guaranteed parts and service availability for at least five years.
- ✓ Equipped with the latest software releases for the installed hardware.
- ✓ Tested using the same protocols and tools as new systems.
- ✓ Same warranty and support as new equipment.

Scalable Refurbishment

All ecoline systems undergo our standard refurbishment process.




✓	Cleaning and disinfection
✓	Touch-up painting
✓	System configuration
✓	Safety and performance updates
✓	Latest software installation for current hardware



Scalable refurbishment is available for select ecoline systems, providing you with greater flexibility to select the options that meet your unique needs and budget.

✓	Aesthetics: Like-new visual appearance
✓	Technical: System and component update and testing
✓	IT: Latest software and hardware
✓	Equipment: Coils and cushions (MR); X-ray tube (CT)






AX ecoline Systems

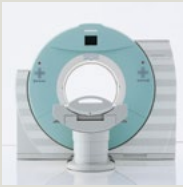
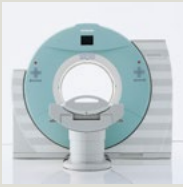

System	System Highlights
<p>Artis zee® biplane eco</p> 	<ul style="list-style-type: none"> • C-arm imaging system for angiography, cardiology, and surgery • Available with dual 30 x 40 mixed detectors for general angiography and 20 x 20 detectors for EP studies • Clinical flexibility—from neurovascular to spine, abdominal, and cardiovascular imaging • Free-head access and large anatomical coverage supports pediatric imaging, neurology, and EP applications • Lower dose with CARE+CLEAR applications for radiation protection
<p>Artis zee® ceiling eco</p> 	<ul style="list-style-type: none"> • C-arm imaging system for angiography, cardiology, and surgery • Available with dual 30 x 40 mixed detectors for general angiography and 20 x 20 detectors for EP studies • Easy patient access with full anatomical coverage • Ergonomic system controls for smooth tableside operations • Clinical flexibility with a complete 3D portfolio • Lower dose with CARE+CLEAR applications for radiation protection
<p>Artis zee® floor eco</p> 	<ul style="list-style-type: none"> • C-arm imaging system for angiography, cardiology, and surgery • Available with dual 30 x 40 mixed detectors for general angiography and 20 x 20 detectors for EP studies • Extra small footprint to fit into most labs • Two distinct working positions support a broader range of clinical approaches • CLEARstent enhances visibility of the deployed stent • Lower dose with CARE+CLEAR applications for radiation protection

System	System Highlights
<p>Artis zee® multipurpose eco</p> 	<ul style="list-style-type: none"> • C-arm imaging system for universal angiography and fluoroscopy with 2D imaging • 30 x 40 flat detector and a flexible system architecture with versatile clinical applications for diagnostic and interventional procedures • Motorized integrated patient table offers longitudinal and transverse movement for easier patient transfer and repositioning • Lower dose with CARE+CLEAR applications for radiation protection
<p>Artis zeego® eco</p> 	<ul style="list-style-type: none"> • Multiple axes—and a 30 x 40 flat detector—provide exceptional floor-mounted positioning flexibility, enabling more angulations, complete head-to-toe coverage, and multiple work positions • Variable isocenter allows adjustment of the system's working height to help reduce user fatigue • SafeMove, an intelligent collision protection function, allows users to maneuver the system around the patient with confidence • Lower dose with CARE+CLEAR applications for radiation protection

CT ecoline Systems

System	System Highlights
<p>SOMATOM® Emotion 16 eco</p> 	<ul style="list-style-type: none"> • Economical, entry-level 16-slice CT system with a low total cost of ownership • Small footprint to fit into most rooms • Increased efficiency with WorkStream 4D, fast, high-quality image reconstruction, dose reduction with CARE Dose4D, and IRIS¹ optional • Less downtime with faster installation and reduced scheduled maintenance requirements • NEMA XR-29 Smart Dose Standard compliant
<p>SOMATOM® Sensation 64 eco</p> 	<ul style="list-style-type: none"> • Economical 64-slice CT system • High-definition image quality with less dose and efficient workflow • Excellent cardiac imaging and workflow efficiency with integrated gating system • Trusted performance with high uptime • NEMA XR-29 Smart Dose Standard compliant
<p>SOMATOM® Sensation Open eco</p> 	<ul style="list-style-type: none"> • Large, 82-cm gantry aperture with 82-cm extended FOV accommodates virtually all radiation therapy patients • High level of diagnostic support for routine and advanced CT therapy planning and exams • High-definition image quality with up to 40 slices per rotation • High precision with respiratory gated and 4D treatment planning • NEMA XR-29 Smart Dose Standard compliance upgrade available • Optional Virtual Simulation Software (VSIM)




¹In clinical practice, the use of IRIS may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.


System	System Highlights
<p>SOMATOM® Definition AS eco</p> 	<ul style="list-style-type: none"> • Field-upgradable CT system is available in 64- and 128-slice configurations, and with a sliding gantry • Equipped to handle any clinical setting, especially the challenges of the ED • Complete dose protection for all patients—from pediatric to bariatric—with CARE Dose4D, FAST CARE, and SAFIRE² • FAST CARE technology can simplify time-consuming and complex procedures during a CT scan • NEMA XR-29 Smart Dose Standard compliant
<p>SOMATOM® Definition AS+ eco</p> 	<ul style="list-style-type: none"> • 78-cm bore accommodates virtually all patients • Small footprint and flexible air or watercooling to fit into most rooms • High-definition image quality at less dose through CARE (CARE kV Features, CARE Child, CARE Dose4D, DoseMAP), SAFIRE^{*2}, and Adaptive Dose Shield • FAST features (FAST Planning, FASTAdjust, FAST Scan Assistant, FAST CardioWizard[*], FAST Spine[*]) make time-consuming and complex procedures more reliable and reproducible • NEMA XR-29 Smart Dose Standard compliant
<p>SOMATOM® Definition Flash eco</p> 	<ul style="list-style-type: none"> • Dual-source system redefined CT imaging with 2 STRATON X-ray tubes and 2x100 kW generator • More diagnostic information obtained at differing energy levels without extra radiation dose • Flash Mode delivers split-second acquisitions with less dose to improve CT exam quality in high-risk patients (pediatrics, ICU, and cardiac) • Used in most of the top U.S. health systems, academic medical centers, and children's hospitals • NEMA XR-29 Smart Dose Standard compliant

* Optional

²In clinical practice, the use of SAFIRE may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. The following test method was used to determine a 54-60% dose reduction when using the SAFIRE reconstruction software. Noise, CT numbers, homogeneity, low-contrast resolution, and high-contrast resolution were assessed in a Gammex 438 phantom. Low dose data reconstructed with SAFIRE showed the same image quality compared to full dose data based on this test. Data on file.



MI ecoline Systems

System	System Highlights
SPECT Systems	
<p>c.cam® eco</p> 	<ul style="list-style-type: none"> • Economical system offers advanced SPECT technology for nuclear cardiology services • Reduced motion artifacts, an optimized field of view, and attenuation correction support myocardial perfusion imaging • Small footprint to fit into most labs • Comfortable reclining chair supports patients up to 450 lbs
<p>Symbia® E eco</p> 	<ul style="list-style-type: none"> • Economical, entry-level dual-head Gamma SPECT camera • Half-dose with flash iterative reconstruction improves workflow for increased productivity, patient satisfaction, and throughput • HD detectors offer higher sensitivity than comparative systems for increased diagnostic image quality
<p>Symbia® S eco</p> 	<ul style="list-style-type: none"> • Premium, multipurpose SPECT system delivers four-minute cardiac imaging • System flexibility accommodates virtually every patient • Advanced features like Productivity Package and IQ-SPECT support clinical performance improvements • Upgradeability to a SPECT/CT system for higher diagnostic image quality and additional clinical applications



System	System Highlights
PET Systems	
<p>Biograph® mCT eco</p> 	<ul style="list-style-type: none"> • Advanced PET/CT scanner for oncology, cardiology, and neurology • Available in 20-, 40-, 64-, and 128-slice SOMATOM® Definition AS configurations, and with multiple imaging and scalable upgradeability options • High-definition image quality with the finest resolution and visual improvement in signal-to-noise ratio* • Reduced time to image review with fast and consistent reconstruction times

*Based on volumetric resolution available in competitive literature for systems greater than 70-cm bore size. Data on file.

MR ecoline Systems



System	System Highlights
1.5 Tesla MAGNETOM® Systems	
<p>MAGNETOM® Avanto, a Tim® + Dot™ System eco</p> 	<ul style="list-style-type: none"> • 60-cm system available in an 18- or 32-channel configuration • Large 50-cm field of view • Strong gradients for high resolution and short scan times, up to 45 mT/m @ 200 T/m/s with the SQ engine • Zero helium boil-off • Available Knee Dot engine, which includes syngo® WARP with VAT • D13A software level for access to all the new, standard applications, such as CAIPIRINHA, DIR SPACE, and the next generation of iPAT2 • Ability to offer feet-first exams for nearly all procedures to help reduce claustrophobia • Elevate to a MAGNETOM Avanto^{fit} with a fit conversion
<p>MAGNETOM® Avanto^{fit} eco*</p> 	<ul style="list-style-type: none"> • 60-cm system with Tim® 4G + Dot™ technology • Available in an 18- or 32-channel configuration • Powerful 45 mT/m @ 200 T/m/s with the SQ engine standard • 48-channel configuration • Available dockable table • Large 50-cm field of view • Zero helium boil-off • Advanced applications, such as Quiet Suite for noise reduction, with optional FREEZEit for fewer motion artifacts and Advanced WARP for metal artifact reduction • Ability to offer feet-first exams for nearly all procedures to help reduce claustrophobia

*Ships as a fit system; no on-site conversion required.

System	System Highlights
1.5 Tesla MAGNETOM® Systems	
<p>MAGNETOM® Espree™ eco</p> 	<ul style="list-style-type: none"> • 70-cm system available in an 8-, 18- or 32-channel configuration with Tim® technology • Shortest bore length on the market at 125 cm, enabling head-out exams for up to 60% of routine applications • 550-lb table-weight limit to support the bariatric population • Zero helium boil-off • Patients can be imaged in the decubitus position, ideal for those with kyphosis, respiratory, and mobility challenges • B19 software level for access to new applications, such as WARP with VAT and elastography • Low siting costs: magnet, equipment, and control room fit into 290 sq. ft.
<p>MAGNETOM® Symphony, a Tim® System eco</p> 	<ul style="list-style-type: none"> • 60-cm system available in an 18- or 32-channel configuration • Expands upon the Symphony applications, adding additional inline processing such as Inline Diffusion for automated ADC mapping • Nine Tim application suites standard, including cardiac, pediatric¹, and breast • Fully integrated coil design • Lightweight (patient friendly), scalable coils part of the standard configuration • Advanced applications standard, such as REVEAL for whole-body diffusion. For example, REVEAL can be used to detect lesions on the liver and lymph nodes • Low siting costs and high technology benefit smaller hospitals and imaging centers

¹MR scanning has not been established as safe for imaging fetuses and infants less than two years of age. The responsible physician must evaluate the benefits of MR examination compared to those of other imaging.

MR ecoline Systems (continued)

System	System Highlights
3 Tesla MAGNETOM® Systems	
<p>MAGNETOM® Trio™, a Tim® System eco</p> 	<ul style="list-style-type: none"> • 60-cm system available in an 8-, 18- or 32-channel configuration • 550-lb table-weight limit to support the bariatric population • B19 software with standard software features, such as SPACE DIR, DIXON TSE • Industry-leading homogeneity for demanding applications with available fMRI, DTI, tractography, and perfusion • 50-cm field of view • 3T safety parameters are optimized with SAR standard and with SAR-optimized body coils and sequences • Elevate to a MAGNETOM Prisma with a fit conversion
<p>MAGNETOM® Verio eco</p> 	<ul style="list-style-type: none"> • 70-cm system incorporates Tim® and Dot™ technology with the standard Brain Dot engine • Available in an 18- or 32-channel configuration • Short 3T bore length at 173 cm, enabling more head-out exams • 550-lb table-weight limit to support the bariatric population • Zero helium boil-off • D13A software level for access to all the new, standard applications, such as: CAIPIRINHA, DIR SPACE, and the next generation of iPAT2 • Patients can be imaged in the decubitus position, ideal for those with kyphosis, respiratory, and mobility challenges • Low siting costs: magnet, equipment, and control room fit into 357 sq. ft. • Elevate to a MAGNETOM Skyra^{fit} with a fit conversion

System Buy-Back

If you're planning to sell or upgrade your imaging equipment, contact us for a no-obligation quote.

We offer highly competitive buy-back values for used equipment, based on factors like system age, condition, and market value. We'll even buy your used Siemens system if you don't purchase a replacement from us.

In addition to an attractive buy-back offer, we manage all de-installation logistics to help minimize your downtime and avoid unforeseen costs. Plus, returning your system to us enables another facility to benefit from the resale of an expertly refurbished ecoline system.

Get a quote today!

Contact us at
610-906-4375
or visit
usa.siemens.com/ecoline.

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