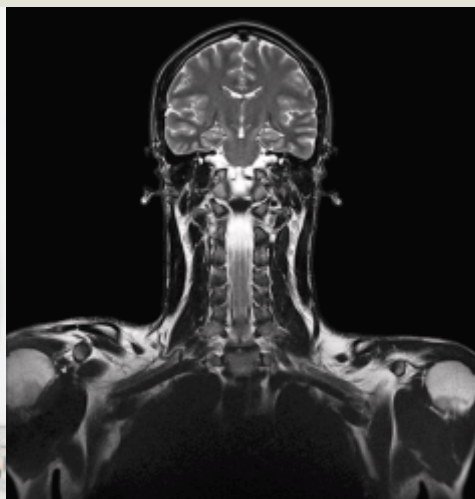
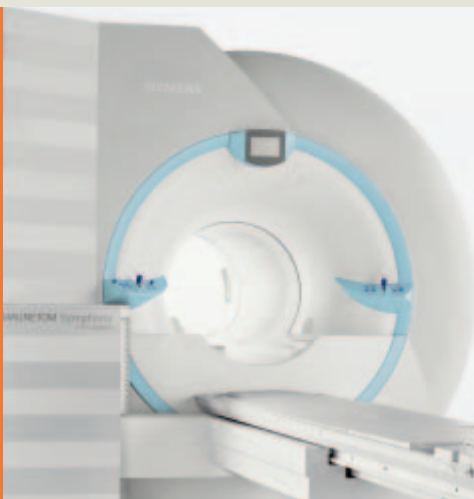


Data



MAGNETOM Symphony, A Tim System Matrix Coils



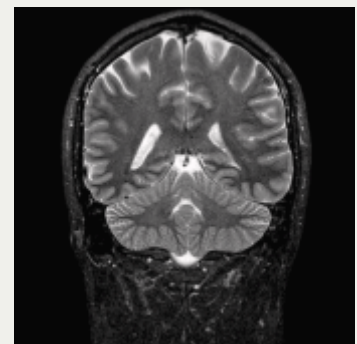
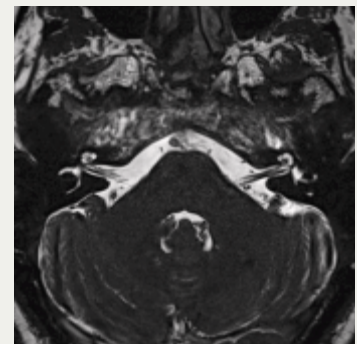
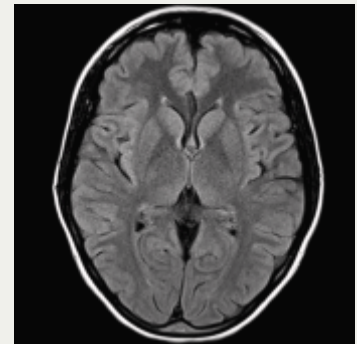
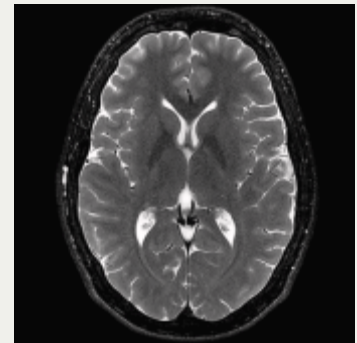
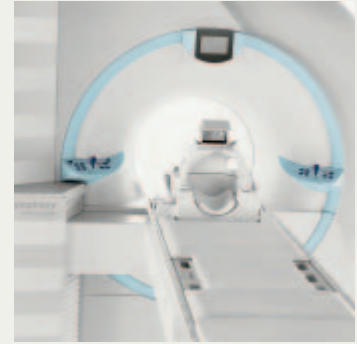
■ Head Matrix Coil

The Head Matrix coil is part of the standard system configuration.

- 12-element design with 12 integrated preamplifiers, two rings of 6 elements each (i.e. 4 clusters of 3 elements each)
- Upper coil part removable
- Lower coil part usable without upper part
- Lower coil part may stay on the patient table for most of the examinations
- Smoothly integrated into the patient table with Neck Matrix coil and Spine Matrix coil
- Open patient-friendly design
- Cushioned head stabilizers (removable)
- No coil tuning
- iPAT-compatible
- Detachable double mirror

Applications:

- Head examination
- MR Angiography
- Combined head/neck examination
- TMJ (temporo mandibular joints)

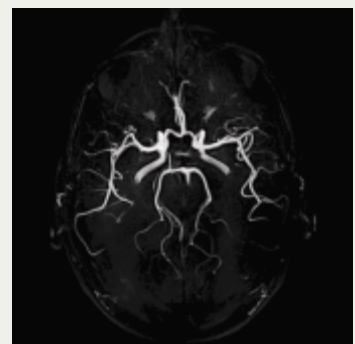
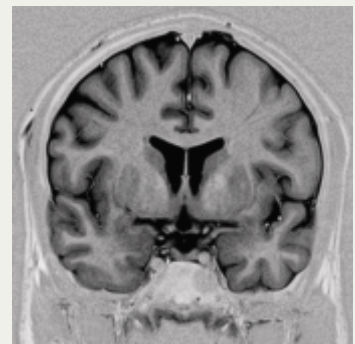
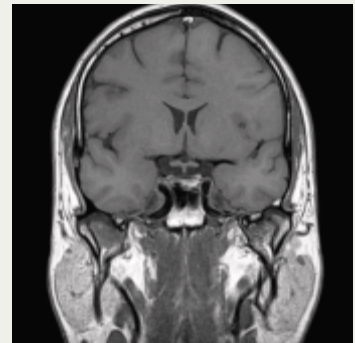


Can be combined with:

- Neck Matrix coil
- Spine Matrix coil
- Body Matrix coils (up to 4; optional)
- PA Matrix coil (optional)
- All flexible coils (e.g. CP Flex coil, small, CP Flex coil, large)

Matrix Coil Mode:

- 4-channel CP Mode,
- 8-channel Dual Mode
- 12-channel Triple Mode
- Weight: 5 kg
- Dimensions: 300 mm x 300 mm x 280 mm (L x W x H)





■ Neck Matrix Coil

The Neck Matrix coil is part of the standard system configuration.

- 4-element design with 4 integrated preamplifiers, 2 clusters of 2 elements each
- Upper coil part removable
- Lower coil part may stay on the patient table for most of the examinations
- Operates in an integrated fashion with the Head Matrix coil and Spine Matrix coil, for coverage of the posterior and anterior neck region
- No coil tuning
- iPAT-compatible

Applications:

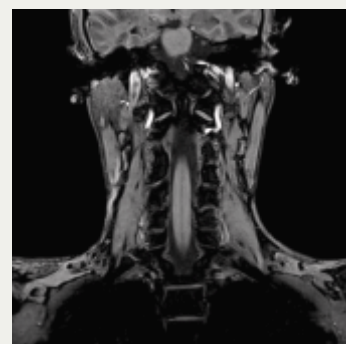
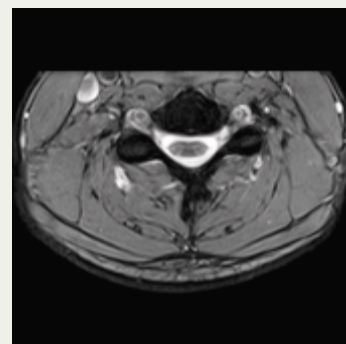
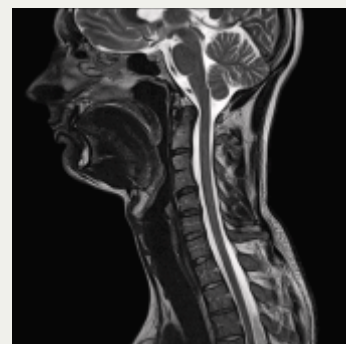
- Cervical Spine
- Neck
- Larynx/Esophagus
- MR Angiography
- Mediastinum
- Combined head/neck examination

Can be combined with:

- Head Matrix coil
- Spine Matrix coil
- Body Matrix coils (up to 4; optional)
- PA Matrix coil (optional)
- All flexible coils (e.g. CP Flex coil, small, CP Flex coil, large)

Matrix Coil Mode:

- 2-channel CP Mode,
- 4-channel Dual or Triple Mode
- Weight: 2.6 kg
- Dimensions:
- 190 mm × 330 mm × 332 mm (L×W×H)



■ Spine Matrix Coil

The Spine Matrix coil is part of the standard system configuration.

- 24-element design with 24 integrated preamplifiers, 8 clusters of 3 elements each
- Smoothly integrated into the patient table and streamlined with Head Matrix coil and Neck Matrix coil
- May remain on the patient table for almost all exams
- No coil tuning
- iPAT-compatible

Applications:

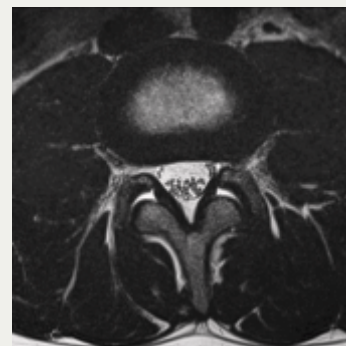
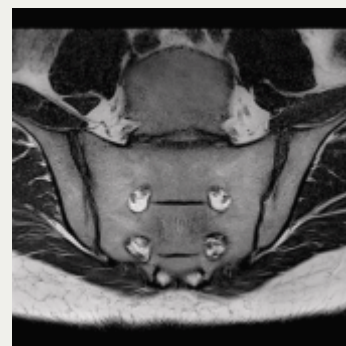
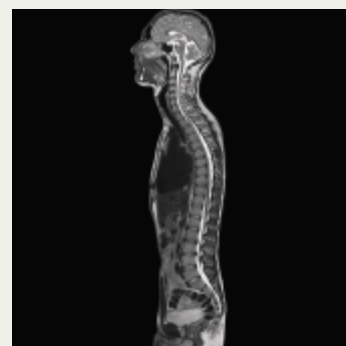
- High resolution imaging of the whole spine
- Various applications in combination with additional coils

Can be combined with:

- Head Matrix coil
- Neck Matrix coil
- Body Matrix coils (up to 4; optional)
- PA Matrix coil (optional)
- All flexible coils (e.g. CP Flex coil, small, CP Flex coil, large)

Matrix Coil Mode:

- 8-channel CP Mode,
- 16-channel Dual Mode
- 24-channel Triple Mode
- Weight: 11 kg; may remain on the patient table for almost all exams
- Dimensions: 1185 mm × 485 mm × 33 mm (L×W×H)





■ Body Matrix Coil

- 6-element design with 6 integrated preamplifiers, with 2 clusters of 3 elements each
- Operates in an integrated fashion with the Spine Matrix coil (2 rings of 6 elements each = 12-element design)
- Can be combined with further Body Matrix coils for larger coverage
- No coil tuning
- iPAT-compatible

Applications:

- Thorax (incl. heart)
- Abdomen
- Pelvis
- Hip

Can be combined with:

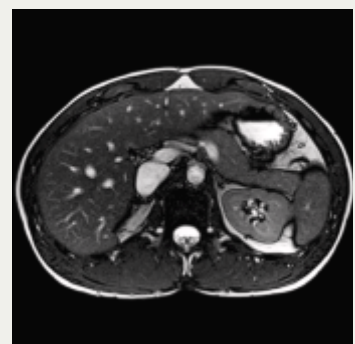
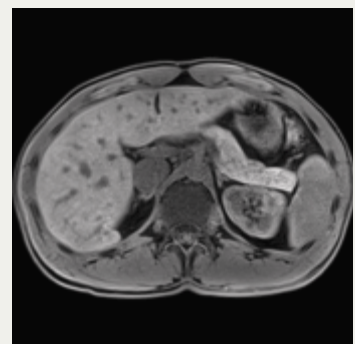
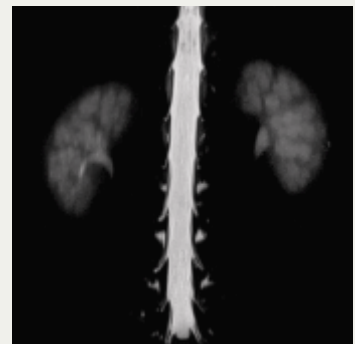
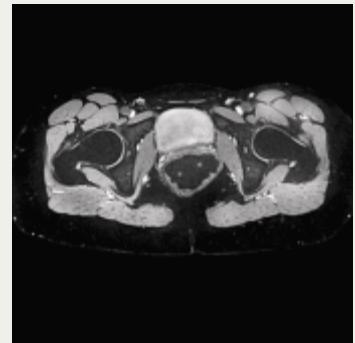
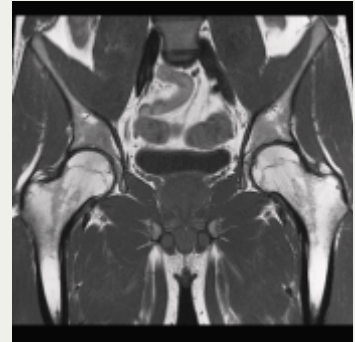
- Head Matrix coil
- Neck Matrix coil
- Spine Matrix coil
- Additional Body Matrix coils (typically 2–3 in total)
- PA Matrix coil (optional)
- All flexible coils (e.g. CP Flex coil, small, CP Flex coil, large)
- CP Head Array coil
- Endorectal coils

Matrix Coil Mode:

- 2-channel CP Mode,
- 4-channel Dual Mode
- 6-channel Triple Mode

which results in 4-, 8-, or 12-channel body imaging in combination with the Spine Matrix.

- Weight: 2 kg; "patient-felt" weight of coil only 950 g
- Dimensions: 322 mm × 520 mm × 70 mm (L×W×H)



■ PA Matrix Coil

(Peripheral Angio Matrix coil)

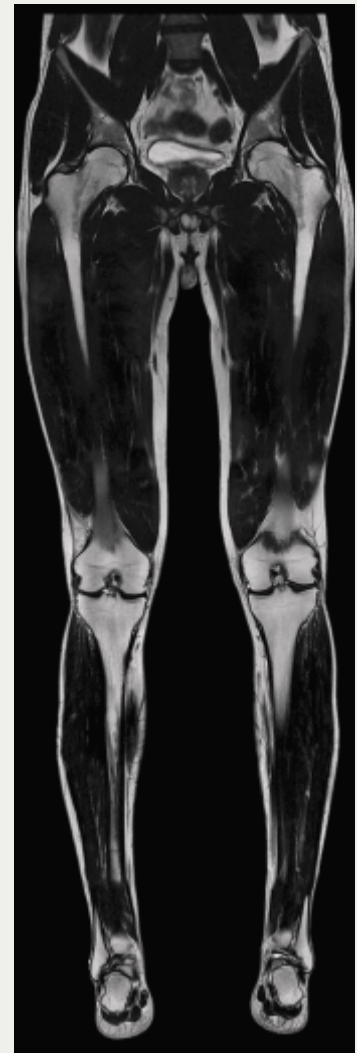
- 16-element design with 16 integrated preamplifiers, in 8 CP pairs, i.e. 4 levels with 2 CP elements each
- Operates in an integrated fashion with the Body Matrix coils and Spine Matrix coil and for Whole-Body examinations also with the Head and Neck Matrix coil
- Automatic table feed and active coil switch
- Can be utilized head and feet first
- Both legs are independently covered with coil elements, maximizing the coil filling factor and the signal-to-noise ratio
- No coil tuning
- Includes special non-ferromagnetic coil cart for safe, user-friendly storage
- iPAT-compatible

Applications:

- High resolution angiography of both legs incl. pelvis with highest signal-to-noise ratio
- Visualization of the iliac arteries and aorta

Can be combined with:

- Head Matrix coil
- Neck Matrix coil
- Spine Matrix coil
- Body Matrix coils (up to 3)
- All flexible coils (e.g. CP Flex coil, small, CP Flex coil, large)
- Weight: 5.75 kg
- Dimensions: 970 mm × 300–600 mm × 270 mm (L×W×H)



On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products included in this brochure are available through the Siemens sales organization worldwide. Availability and packaging may vary by country and is subject to change without prior notice.

The information in this document contains general technical descriptions of specifications and options as well as standard and optional features which do not always have to be present in individual cases.

Siemens reserves the right to modify the design, packaging, specifications and options described herein without prior notice. Please contact your local Siemens sales representative for the most current information.

Note: Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.

Please find fitting accessories:
www.siemens.com/medical-accessories

Siemens AG
Wittelsbacherplatz 2
D-80333 Muenchen
Germany

Headquarters

Siemens AG, Medical Solutions
Henkestr. 127, D-91052 Erlangen
Germany
Telephone: +49 9131 84-0
www.siemens.com/medical

Contact

In the USA

Siemens Medical Solutions USA, Inc.
51 Valley Stream Parkway
Malvern, PA 19355
Telephone: +1 888-826-9702
Telephone: +1 610-448-4500
Telefax: +1 610-448-2254

In Japan

Siemens-Asahi
Medical Technologies Ltd.
Takanawa Park Tower 14F
20-14, Higashi-Gotanda 3-chome
Shinagawa-ku
Tokyo 141-8644
Telephone: +81 3 5423 8411

In Asia

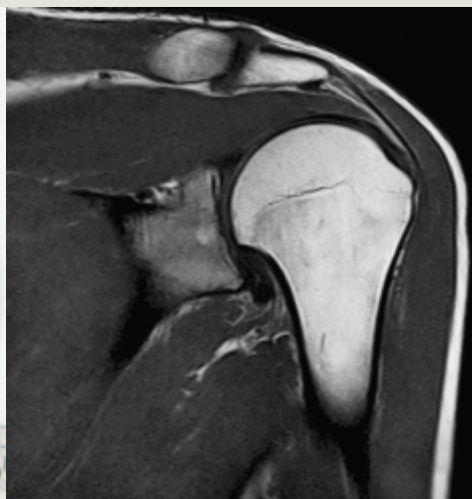
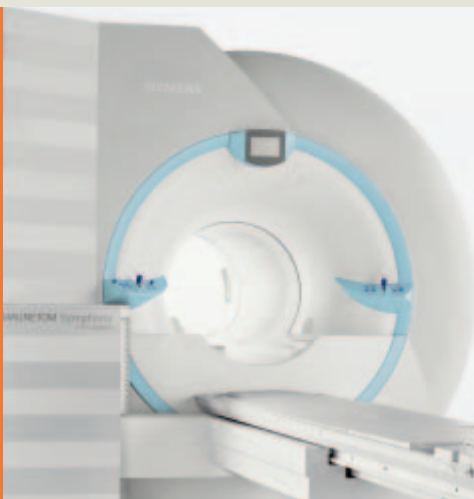
Siemens Medical Solutions
Asia Pacific Headquarters
The Siemens Center
60 MacPherson Road
Singapore 348615
Telephone: +65 6490 6000
Telefax: +65 6490 6001

In Germany

Siemens AG, Medical Solutions
Magnetic Resonance
Henkestr. 127, D-91052 Erlangen
Germany
Telephone: +49 9131 84-0

Siemens **Medical**
Solutions that help

Data



MAGNETOM Symphony, A Tim System Flexible Coils



Flex Coil Interface

A Flex Coil Interface is part of the standard system configuration

- Integrated dual ultra low-noise preamplifiers
- Allows flexible coil positioning
- Only one interface necessary for all Flex coils
- Several Flex Coil Interfaces can be used simultaneously to connect several Flex coils

CP Flex Coil, large

A large CP Flex Coil is part of the standard system configuration

- Wrap-around coil made from soft and flexible material
- Circularly polarized
- No coil tuning
- iPAT-compatible in combination with other coils

Applications:

- Imaging of large regions such as medium to large shoulders, hip and knee

Can be combined with:

- All Matrix coils
- All flexible coils (second Flex Coil Interface required)
- CP Head Array coil
- Double Loop Array coil
- Endorectal coils

- Weight: 400 g
- Dimensions: 210 mm x 520 mm

CP Flex Coil, small

A small CP Flex Coil is part of the standard system configuration

- Wrap-around coil made from soft and flexible material
- Circularly polarized
- No coil tuning
- iPAT-compatible in combination with other coils

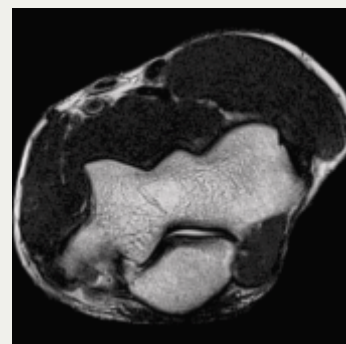
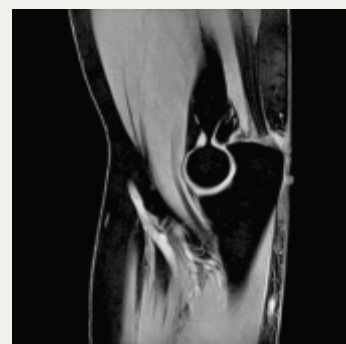
Applications:

- Imaging of small regions such as small to medium shoulders, wrist, elbow and ankle

Can be combined with:

- All Matrix coils
- All flexible coils (second Flex Coil Interface required)
- CP Head Array coil
- Double Loop Array coil
- Endorectal coils

- Weight: 300 g
- Dimensions: 170 mm x 360 mm



Loop Flex Coil, large

- Flexible circular coil
- No coil tuning
- iPAT-compatible in combination with other coils

Applications:

- Examination of upper or lower extremities (e.g. shoulder, axilla)
- Breast Biopsy in combination with the optional Breast Biopsy Device

Can be combined with:

- All Matrix coils
- All flexible coils (second Flex Coil Interface required)
- CP Head Array coil
- Double Loop Array coil
- Endorectal coils
- Weight: 400 g
- Diameter: 190 mm



Loop Flex Coil, small

- Small circular coil
- No coil tuning
- iPAT-compatible in combination with other coils

Applications:

- Examination of small structures near the surface (e.g. joints of fingers and toes, wrist, skin, temporo mandibular joints (TMJ))

Can be combined with:

- All Matrix coils
- All flexible coils (second Flex Coil Interface required)
- CP Head Array coil
- Double Loop Array coil
- Endorectal coils
- Weight: 100 g
- Diameter: 40 mm



Endorectal Coil and Interface

- Interface device for connecting either the prostate, colon, or cervix receive coil
- The endo coil is plugged into the endo interface which is then plugged into the Flex Coil Interface
- No coil tuning
- Disposable
- iPAT-compatible in combination with other coils

Applications:

- Excellent visualization of the prostate, colon, rectum and cervix without the risk of invasive procedures
- Non-invasive preoperative diagnostic evaluation and treatment planning

Can be combined with:

- Body Matrix coil
- All additional flexible coils (second Flex Coil Interface required)
- Weight: 200 g



On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products included in this brochure are available through the Siemens sales organization worldwide. Availability and packaging may vary by country and is subject to change without prior notice.

The information in this document contains general technical descriptions of specifications and options as well as standard and optional features which do not always have to be present in individual cases.

Siemens reserves the right to modify the design, packaging, specifications and options described herein without prior notice. Please contact your local Siemens sales representative for the most current information.

Note: Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.

Please find fitting accessories:
www.siemens.com/medical-accessories

Siemens AG
Wittelsbacherplatz 2
D-80333 Muenchen
Germany

Headquarters

Siemens AG, Medical Solutions
Henkestr. 127, D-91052 Erlangen
Germany
Telephone: +49 9131 84-0
www.siemens.com/medical

Contact

In the USA

Siemens Medical Solutions USA, Inc.
51 Valley Stream Parkway
Malvern, PA 19355
Telephone: +1 888-826-9702
Telephone: +1 610-448-4500
Telefax: +1 610-448-2254

In Japan

Siemens-Asahi
Medical Technologies Ltd.
Takanawa Park Tower 14F
20-14, Higashi-Gotanda 3-chome
Shinagawa-ku
Tokyo 141-8644
Telephone: +81 3 5423 8411

In Asia

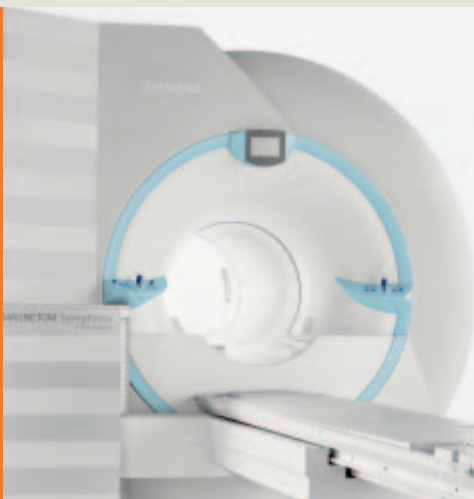
Siemens Medical Solutions
Asia Pacific Headquarters
The Siemens Center
60 MacPherson Road
Singapore 348615
Telephone: +65 6490 6000
Telefax: +65 6490 6001

In Germany

Siemens AG, Medical Solutions
Magnetic Resonance
Henkestr. 127, D-91052 Erlangen
Germany
Telephone: +49 9131 84-0

Siemens **Medical**
Solutions that help

Data



MAGNETOM Symphony, A Tim System Dedicated Coils



■ CP Breast Array

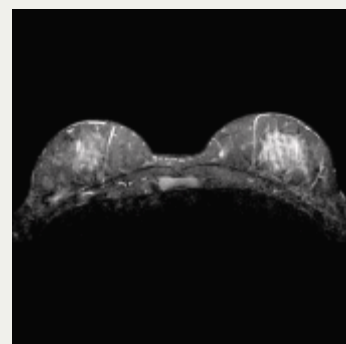
- 4-element design (2 CP pairs) with 4 integrated preamplifiers
- Padded for imaging in prone position
- Stabilizing pads for wide anatomical variations
- Mediolateral compression capability
- No coil tuning
- iPAT-compatible

Applications:

- Simultaneous high resolution imaging of both breasts in all directions
- Imaging of one or both breasts in sagittal direction
- Visualization of axilla region

Can be combined with:

- All flexible coils (e.g. CP Flex coil, small, CP Flex coil, large)
- Weight: 7.1 kg
- Dimensions: 500 mm × 530 mm × 145 mm (L×W×H)



■ Shoulder Array Coil

- 4-coil design with 4 integrated preamplifiers
- Two coils are included, one for small and one for large shoulders
- For narrow or wide shoulders the coil can be attached at different positions on the base plate
- Includes one base plate pad and one head rest for high patient comfort
- No coil tuning
- iPAT-compatible

Applications:

- Best visualization of small anatomical structures (e.g. labrum)

- Higher SNR and better field homogeneity
- Reduced slice thickness and measurement times

Small Shoulder Array Coil

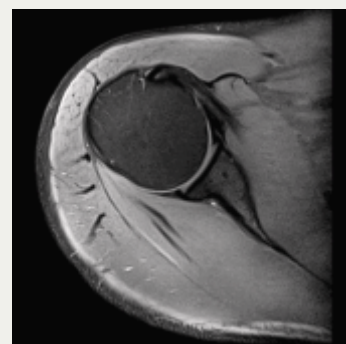
- Opening: 165 mm
- Weight: 1.3 kg

Large Shoulder Array Coil

- Opening: 200 mm
- Weight: 1.6 kg

Base plate

- Dimensions: 445 mm × 490 mm (L×W)
- Weight: approx. 5 kg

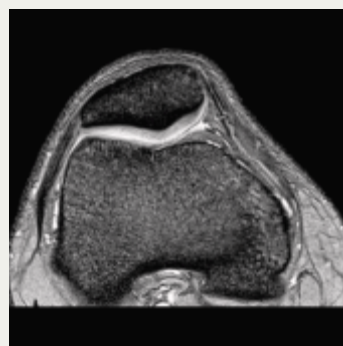


■ CP Extremity Coil

- Transmit/receive coil
- CP coil with 2 integrated preamplifiers
- Upper coil part removable
- Holder allows off-center positioning to keep knee or foot which is not under examination in a comfortable position
- No coil tuning

Applications:

- Knee
- Ankle
- Peripheral MR Angiography
- Weight: 6.5 kg
- Dimensions:
405 mm × 270 mm × 290 mm
(L×W×H)



■ 8-Channel Knee Coil

- 8 element coil with 8 integrated preamplifiers
- iPAT compatible
- Upper coil part removable
- Holder allows off-center positioning to ensure a comfortable position for the patient
- No coil tuning

Applications:

- High resolution knee or elbow imaging
- Weight: 5 kg
- Dimensions:
400 mm × 420 mm × 310 mm
(L×W×H)



Double Loop Array Coil

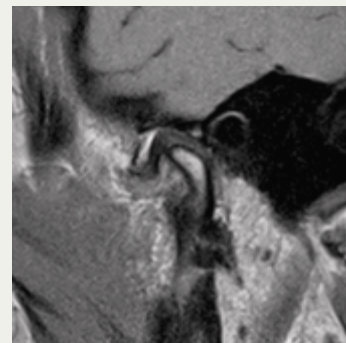
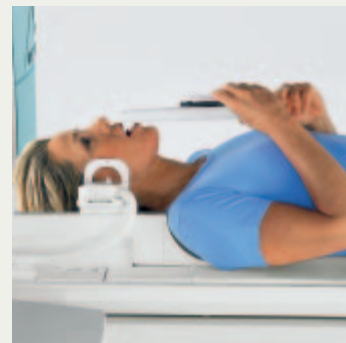
- Circular coil pair with Double-Loop Array Holder
- No coil tuning
- Extra arm rest for wrist imaging
- iPAT-compatible

Applications:

- Simultaneous visualization of the left and right TMJs (temporo mandibular joints) with high resolution
- High resolution imaging of the eye
- High resolution imaging of the wrist

Can be combined with:

- Body Matrix coils
- All flexible coils (e.g. CP Flex coil, small, CP Flex coil, large)
- CP Head Array coil
- Weight: 1.1 kg
- Dimensions: 82 mm × 135 mm × 82 mm (L×W×H)



CP Head Array

- CP coil design with 2 integrated preamplifiers
- Upper coil part removable
- Lower coil part usable without upper part
- Open patient-friendly design
- Highly homogenous illumination
- No coil tuning
- Cushioned head stabilizers (removable)
- Detachable double mirror
- Also compatible with MAGNETOM Symphony and Sonata systems
- iPAT-compatible in combination with other coils

Applications:

- Head examinations
- Head examinations with utilization of a stereotactic frame
- Pediatric imaging

Can be combined with:

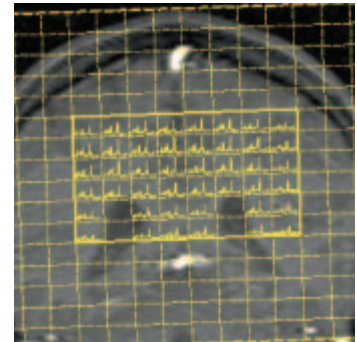
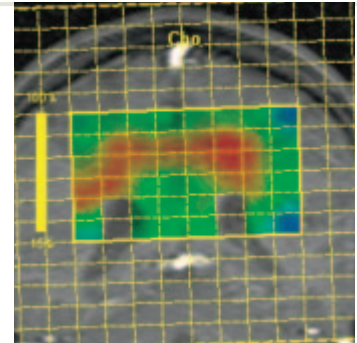
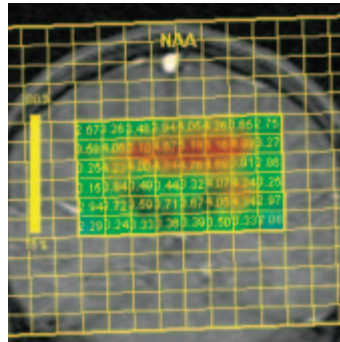
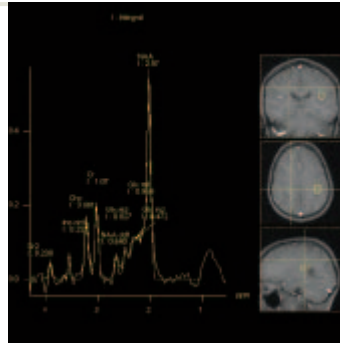
- Body Matrix coil
- All additional flexible coils (e.g. CP Flex coil, small, CP Flex coil, large)
- Double Loop Array coil
- Weight: 5.7 kg
- Dimensions: 480 mm × 330 mm (L×W)



- CP Send/Receive head coil with integrated preamplifier
- Upper coil part removable
- Open patient-friendly design
- No coil tuning
- Cushioned head stabilizers (removable)
- Detachable double mirror (optional)

Applications:

- Head examinations
- High resolution brain spectroscopy
- Weight: 7 kg
- Dimensions:
400 mm × 360 mm × 360 mm
(L×W×H)



On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products included in this brochure are available through the Siemens sales organization worldwide. Availability and packaging may vary by country and is subject to change without prior notice.

The information in this document contains general technical descriptions of specifications and options as well as standard and optional features which do not always have to be present in individual cases.

Siemens reserves the right to modify the design, packaging, specifications and options described herein without prior notice. Please contact your local Siemens sales representative for the most current information.

Note: Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.

Please find fitting accessories:
www.siemens.com/medical-accessories

Siemens AG
Wittelsbacherplatz 2
D-80333 Muenchen
Germany

Headquarters

Siemens AG, Medical Solutions
Henkestr. 127, D-91052 Erlangen
Germany
Telephone: +49 9131 84-0
www.siemens.com/medical

Contact

In the USA

Siemens Medical Solutions USA, Inc.
51 Valley Stream Parkway
Malvern, PA 19355
Telephone: +1 888-826-9702
Telephone: +1 610-448-4500
Telefax: +1 610-448-2254

In Japan

Siemens-Asahi
Medical Technologies Ltd.
Takanawa Park Tower 14F
20-14, Higashi-Gotanda 3-chome
Shinagawa-ku
Tokyo 141-8644
Telephone: +81 3 5423 8411

In Asia

Siemens Medical Solutions
Asia Pacific Headquarters
The Siemens Center
60 MacPherson Road
Singapore 348615
Telephone: +65 6490 6000
Telefax: +65 6490 6001

In Germany

Siemens AG, Medical Solutions
Magnetic Resonance
Henkestr. 127, D-91052 Erlangen
Germany
Telephone: +49 9131 84-0

Siemens **Medical**
Solutions that help