**Magnetom Trio, Tim System 3T**

The current Magnetom Trio, Tim System 3T has 102 coil elements and 32 channels for studies ranging from demanding clinical routine up to the most advanced research. Extraordinary image quality, unmatched iPAT performance, excellent workflow, and whole body imaging functionality up to 181 cm (6 ft.). It comes standard with a TQ-engine (45mT/m @200 T/m/s) - the strongest gradient in the industry. It offers the largest anatomical coverage with 50 cm FoV.

The system is equipped with patient monitoring unit to facilitate imaging, chiller for the gradient system; scanner console and independent workstation; higher order shim capability; and basic image processing functions such as MPR, MIP etc, standard imaging protocols including orthopedic protocols.

**Homogeneity**

0.25 ppm VRMS for a 40 cm (16 inch) DSV (diameter spherical volume) 1 ppm VRMS for a 50 cm (20 inch) DSV (diameter spherical volume)

**Coils Available**

- Head/neck Matrix
- 12ch Head Coil
- Body Matrix
- PA Matrix
- Spine Matrix
- Tx/Rx CP Head
- 3 - Transmit/Receive Knee Coils – USA Instruments, not Siemens
- 2 - 8 Channel InVivo Knee Coils
- 32 Channel Body Array – Cardiac Coil