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From the very beginning of CT technology, image quality has been the first priority, and this is still true today. But, as the demand for faster and more certain diagnosis has increased, workflow concepts and clinical applications have become more important.

The SOMATOM Emotion beautifully illustrates Siemens' attention to detail and insistence on excellence. Designed to make your workday easier and clinically more successful. Innovative imaging technology supported by outstanding workflow concepts and a broad spectrum of dedicated applications will make your workday exceptional.

### **Clinical Benefits**

- Highest possible image quality while maintaining low dose with CARE Dose4D.
- Small diagnostic detail for acquisition of sub-mm lung in one breath-hold.
- Confidence through second-reader support with CAD tools and remote access.

### **Economic Benefits**

- Faster diagnostic speed with pre-processing and CAD-tools.
- Reconstruction on-the-fly with up to 16 images/second.
- Time savings with WorkStream4D™: direct reconstruction of sagittal, coronal, oblique, and double-oblique views from raw data parallel to scan acquisition.

### **Technical Benefits**

- Fast sub-mm coverage of up to 48 mm/s with SureView™.
- Small collimation with 6 x 0.5 mm; and collimation with 16 x 0.6 mm.
- Small focal spot size of down to 0.5 x 0.8 mm for sharp images.

## **With the Smallest Footprint You'll Take Giant Steps**

From the very first patient each day, SOMATOM Emotion's exclusive technology acquires images with the finest diagnostic detail within seconds. Our high-end Ultra Fast Ceramic (UFC)™ Detector is designed to deliver exceptional images while maintaining minimum dose.

In addition, Siemens' proprietary SureView™ concept, a dedicated spiral imaging reconstruction algorithm, makes challenging, high-quality long scans routine. This allows you, for example, to obtain a high quality sub-mm lung scan in just one breath-hold.

### **Clinical Benefits**

- Excellent access and patient positioning due to slim gantry depth and flared opening.
- Patient-friendly design.
- Freedom of movement in clinical intervention.

### **Economic Benefits**

- Low siting and life-cycle costs due to compact size and air cooling.
- Reduced room renovation expenses.
- Low room rental cost.

### **Technical Benefits**

- Slim gantry of 69 cm (27 in) in depth and only 26.4 cm (10.4 in) between front of the gantry and scan plane for more options in interventional procedures.
- Siting flexibility with smallest footprint of 18 m<sup>2</sup> (194 ft<sup>2</sup>); possible installation in trailer and mobile container.
- Short installation time of 1–2 days.

## **Uptime is the Only Time You Can Afford**

By making uptime a top priority from the start, you will enjoy reliable performance for years to come. The newly designed, modern, high quality construction is more than robust, it is virtually indestructible.

In addition, SOMATOM Emotion is backed-up by Guardian™ remote services. Every minute of your working day – and even while you sleep - the SOMATOM Emotion monitors itself to detect potential weaknesses before they become problems.

Furthermore, we make sure that your SOMATOM Emotion is not only up and running, but that it is running at maximum performance - day in, day out.

### **Clinical Benefits**

- High availability provided through proven system design.
- Virus Protection offers you your peace of mind.
- Reliable system operation allows optimal patient planning.

### **Economic Benefits**

- Maximized system efficiency with utilization reports.
- Low installation costs due to short initial system start-up.
- Maximized system potential with customer care program Life.

### **Technical Benefits**

- Remote service and uptime security with Guardian™ – the unique Siemens monitoring service.
- Scan protocol assistant for easy handling of scan protocols.
- System robustness allows reliable operation under extreme conditions.

All attempts have been made to ensure accurate data. Medical Imaging Resources, Inc. assumes no responsibility for any unintentional errors or omissions.