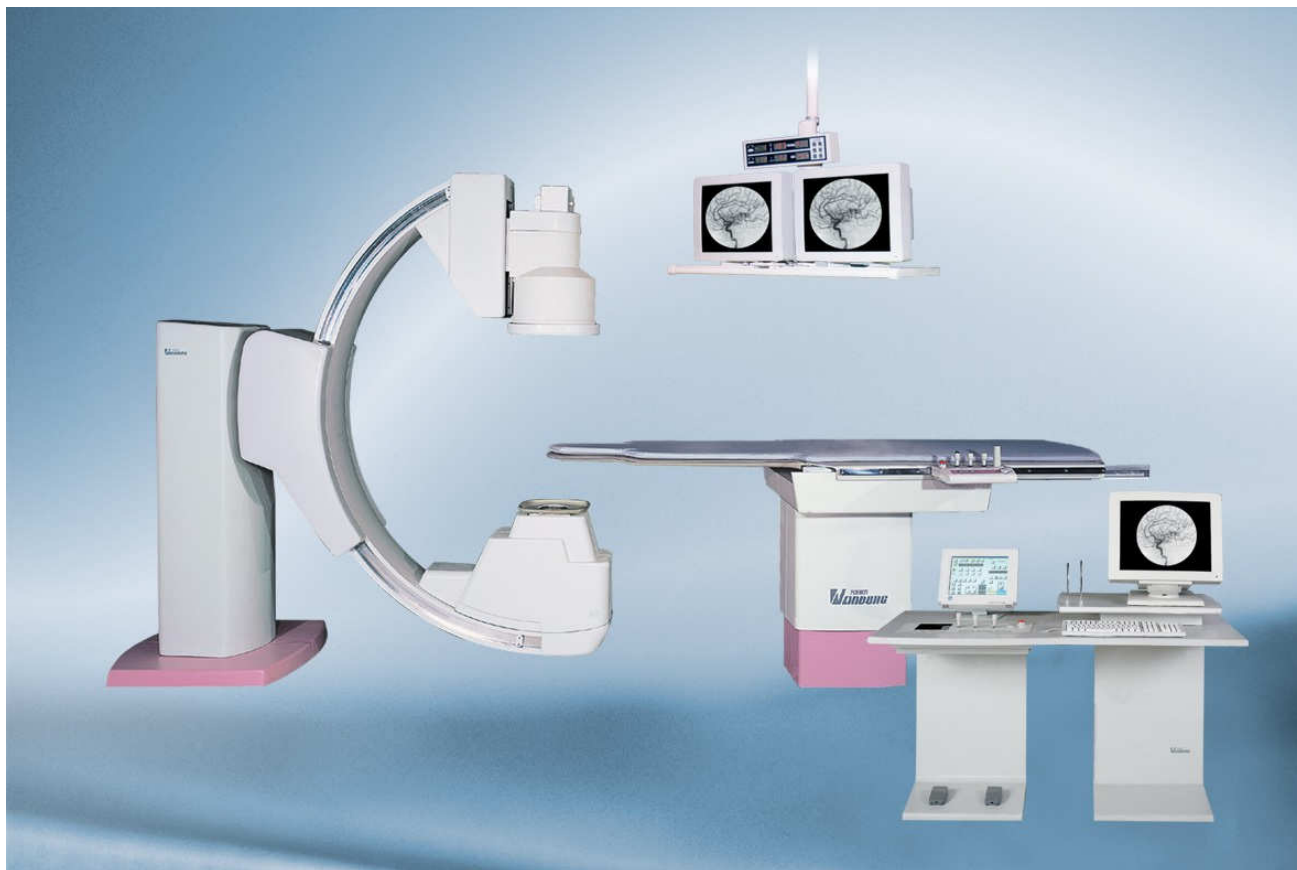


CGO-2100C

Angiographic & Cardiac System



Standard configuration:

- H.F. 80kw generator (touch screen control)
- High-speed starter
- X-ray Tube Assembly (1 MHU)
- Multi field image intensifier
- DSA system
- Cath table
- C-arm
- Monitor 17"(1 set)
- Monitor 21"(2 set)
- Monitor holder
- Accessory

Option:

- CD-RW
- Laser camera
- HV injector
- Image review software package
- DICOM 3.0 interface

High Frequency Generator

| High Frequency Generator (80kW) | |
|---------------------------------|---|
| Maximum Power | 80 kW |
| Invert Frequency | 100 kHz |
| Radiography kV | 40~150 (1kV/Step), precision: $\pm(5\%+1\text{kV})$ |
| mA Range | 10~1000mA (Step), precision: $\pm(5\%+1\text{mA})$ |
| Exposure Time | 1ms~6.3s, precision $\pm(1\%+0.1\text{ms})$ |
| mAs | 0.1mAs~1000mAs |
| Fluoroscopic kV | 40~125kV (1kV/Step), precision: $\pm(5\%+1\text{kV})$ |
| Pulse Fluoro Frequency | 30, 15, 8, 4, 2, 1 pulse/s |
| AEC | F-kV auto-adjusting with body thickness R-kV controlled by PMT |
| Control and Display Table | 9" Touch Screen |
| Power Supply | 380VAC 3-phase |

X-Ray Tube Assembly

| Varian G1582 X-ray Tube Assembly Specification | |
|--|------------------------------|
| Target Angle | 12 |
| Maximum Anode Rotation Speed | >9800rpm |
| Maximum Anode Storage | 1 MHU |
| Maximum Anode Load (3-phase,180Hz, 0.1sec) | 8.5kW (small)/ 100kW (large) |
| Focal Spot Size (small) | 0.3mm |
| Focal Spot Size (large) | 1.2mm |

Multi-Function Image Intensifier

| Image Intensifier Specification | |
|---------------------------------|---------------------|
| Manufacturer | Thales |
| Model | TH 9432 QX |
| Center Area Resolution | 48/54/62 lp/cm |
| Fields | 3 fields, 12"/9"/6" |

C-Arm and Cath-table

| Mechanical Movement Specification | | |
|-----------------------------------|--|----------------------------|
| C-arm | Inner Diameter: 2000 mm | |
| | Left-right lean movement: -90°~90° speed: 10°/s | |
| | Sliding movement: -45°~45° speed: 6°/s | |
| | Movement of I.I.: 300mm (SID: 850 – 1150 mm) speed: 17mm/s | |
| Cath-table | Size of table-top: 2461mm×522mm | |
| | Height of table: 790mm~1060mm (from floor) | |
| | Longitudinal movement: | Top end extendable 2000mm |
| | | Foot end extendable 1300mm |
| | | Travel range 1600mm |
| | Lateral movement: 260mm | |

Imaging System

| Imaging System Technical Specification | |
|--|---|
| CCD CAMERA | |
| Resolution | 1024 X 1024 X 12bits (1,000,000 pixels) |
| Iris Calibration | Automatic |
| Digital acquisition | 30fps 1024×1024 |
| MONITOR | |
| Monitor Size | 17" Medical (1set), 21" Medical (2 sets) |
| Digital Signal Input | SVGA |
| Screen Resolution | 1280 X 1024/ 73Hz |
| Scanning Frequency | 73Hz No blink |
| Scanning Channel Width | 100MHz |
| WORKSTATION | |
| PC Console | Multi-CPU Intel Xeon 2.4GHz |
| | 1GB RAM, 512MB Graphic Memory |
| | 120 GB Hard disk, storing over 100,000 pictures |
| High Speed External Hard disk (RAID) | 480GB |
| Operating System | Windows 2000 Professional |
| | Platinum One Combo (INFIMED) |
| Imaging Processing Software Packages | Cardiac/Vascular Analysis |
| | System Self-diagnostic Software |

| | |
|-------------------------------------|--|
| Imaging Processing Functions | Digital Fluoroscopy Acquisition |
| | 30 fps 1024 X 1024 X 12bits |
| | Digital Spot Image Acquisition |
| | 15 fps 1024 X 1024 X 12bits |
| | (15, 7.5, 3.75, 1, 0.5 fps) |
| | Cine Acquisition 30 fps 1024 X 1024 X 12bits |
| | Pulse Fluoroscopy (30, 15, 7.5, 3.75, 2, 1 fps) |
| | Real-time acquisition |
| | Real-time DSA |
| | Real-time roadmap |
| | LIH |
| | Cine Playback, fps Adjustable |
| | 5 level Real-time Edge enhancement 13*13 |
| | Auto/Manual Image Optimization |
| | Automatic/Manuel window level |
| | ROI window level adjustment |
| | Automatic/Manuel electric cut |
| | Image rotation and mirror image |
| | Zoom & Roam |
| | Image measurement |
| Shotsave | |
| Multi-tasking Processing | |
| Image notations | |
| Auto optimize image output | |
