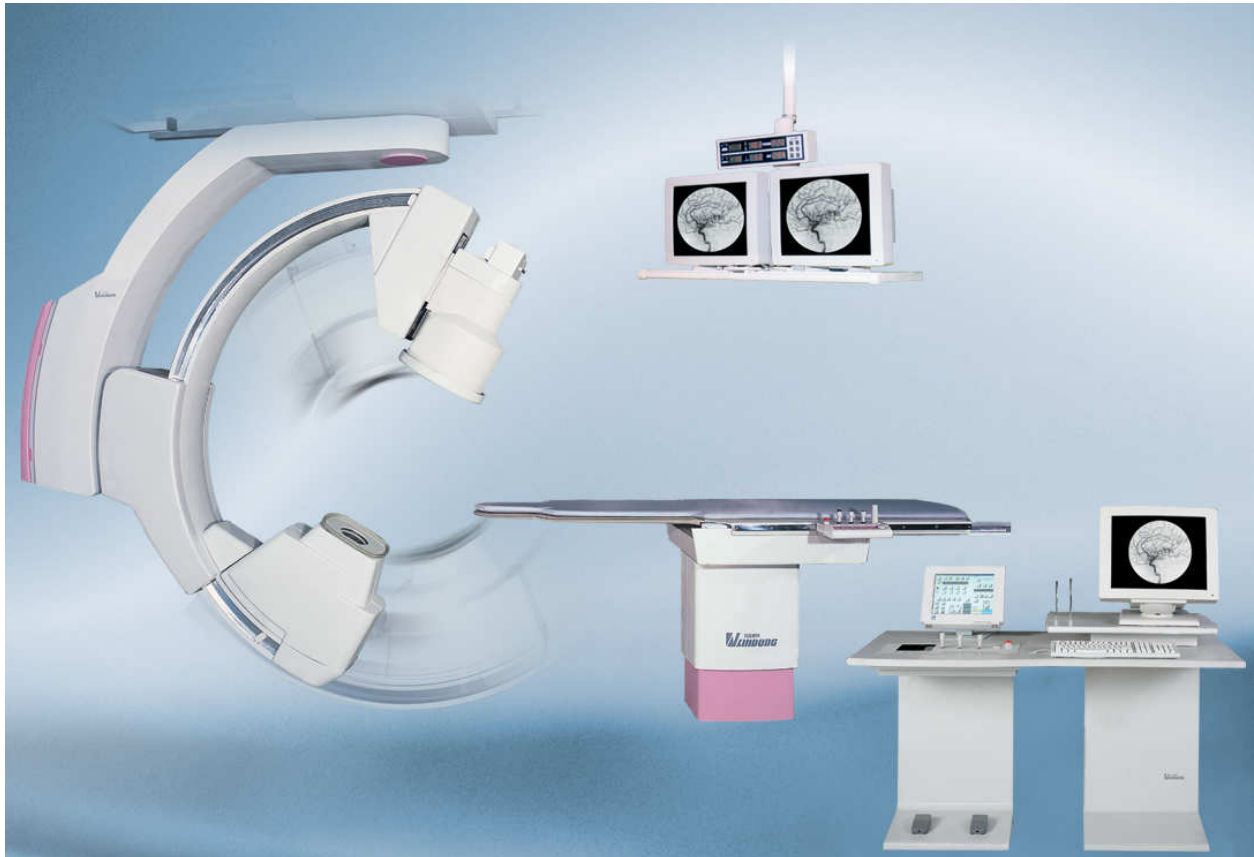


CGO-3000

Angiographic & Cardiac System



CGO 3000 Angiographic & Cardiac System is a new digital C-arm from Wandong Medical. The ergonomic user-interface, unique safety protection and stable performance provide doctors with a safe and comfortable working environment allowing them to concentrate on patient treatment. Moreover, CGO3000 is designed to keep a low effective dose while acquiring high quality images.

System Configuration

- 1. High Frequency Generator (80 kW)**
- 2. X-ray Tube Assembly (1.5 MHU)**
- 3. Multi-Field Image Intensifier**
- 4. Imaging System**
- 5. Suspended Ceiling C-Arm**
- 6. Cath-Table**
- 7. Monitor 17”(1 set)**
- 8. Monitor 21” (2 sets)**

High Frequency Generator

High Frequency Generator (80kW)	
Maximum Power	80 kW
Invert Frequency	100 kHz
Radiography kV	40~150 (1kV/Step), precision: $\pm(5\%+1kV)$
mA Range	10~1000mA (Step), precision: $\pm(5\%+1mA)$
Exposure Time	1ms~6.3s, precision $\pm(1\%+0.1ms)$
mAs	0.1mAs~1000mAs
Fluoroscopic kV	40~125kV (1kV/Step), precision: $\pm(5\%+1kV)$
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	8
Maximum Anode Rotation Speed	>9800rpm
Maximum Anode Storage	1.5 MHU
Maximum Anode Load (3-phase,180Hz, 0.1sec)	16kW (small)/ 106kW (large)
Focal Spot Size (small)	0.3mm
Focal Spot Size (large)	1.0mm

Multi-Function Image Intensifier

Image Intensifier Specification	
Manufacturer	Thales
Model	TH 9432 QX
Center Area Resolution	48/56/62 lp/cm
Fields	3 fields, 12"/9"/6"

Imaging System

Imaging System Technical Specification

CCD CAMERA	
Resolution	1024 X 1024 X 12bits (1,000,000 pixels)
Iris Calibration	Automatic
MONITOR	
Monitor Size	17" Medical (1set), 21" Medical (2 sets)
Digital Signal Input	SVGA
Screen Resolution	1280 X 1024/ 72Hz
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 Harddisk, storing over 100,000 pictures
High Speed External Harddisk (RAID)	480GB
Operating System	Windows 2000 Professional
Imaging Processing Software Packages	PlatinumOne Combo (INFIMED)
	Cardiac/Vascular Analysis
	System Diagnostic Software
	Digital Fluoroscopy Acquisition 30 fps
	Digital Spot Acquisition 15 fps
	Real-time acquisition
	Real-time DSA
	Real-time roadmap
	LIH
	Edge enhancement 7*7
	Automatic/Manuel window level
	ROI window level adjustment
	Automatic/Manuel electric cut
	Image rotation and mirror image
Zoom & Roam	
Imaging Processing Functions	Image measurement
	Shotsave
	Image notations
	Auto optimize image output

Suspended Ceiling C-Arm

CGO 3000 L-Arm & C-Arm Specification	
C-ARM	
Inner Diameter	2000mm
Left-right Lean Movement	±120°
Maximum Moving Speed	±127s
Sliding Movement	±45°, 67s
Image Intensifier Movement	290mm, 17mm/s
L-ARM	
Rotational Movement	±90°, 107s
Horizontal Movement	1890mm
Maximum Moving Speed	120mm/s

Cath Table

Cath Table Specification	
Longitudinal Movement	1300mm
Rotation	±90°
Transverse Movement	±140mm
Vertical Movement	790mm-1100mm
Table Top Size	3391mm X 522mm
Table Top material	Carbon-Fiber