



Maya medical equipment Ltd

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## 0.35T MRI SYSTEM

**Price: USD524200 per set EX Guangzhou, China**

((we will help you to do installation of MRI system & RF shielding room, and training)

**Delivery time : In 20 days upon receive the payment**

**Terms of payment:** 30% down payment, 40% before shipment, the balance of 30% by T/T after installation within 1 month.

**Date of shipment:** Within 60 working days upon acceptance of 30% down payment & 40% before shipment.

**Remark:** The buyer shall bear costs of air-ticket, local transportation, food and board of Basda's technicians in country of installation for the purpose of installation, training and service.

**Warranty:** In one year

**Imaging system software**

system control software

System correcting software

Data processing software

Imaging reconstruction software

Image analyzing software

The patients database management software

**Imaging sequence**

Spin Echo sequence (SE)  
fast spin Echo sequence (FSE).  
Gradient echo sequence (GRE)  
Fat suppression sequence  
Water suppression sequence  
vascular imaging sequence  
Water imaging sequence (MRM, MRCP, MRU)  
Diffusion weighted imaging sequence  
ECG gating sequence (option)  
Breath hold scanning sequence

**Image enhancement software**

Image enhance processing

**DICOM software package**

DICOM camera connection  
Post-processing workstation connection  
PACS system connection  
Remote control connection

**Vascular imaging software package**

**Diffusion weighted imaging software package**

**MR cine loop**

**Workstation software package (option)**

**failure analysis software package**

**Quality control software package**

NO	NAME	Unit	Quantity	Remark
1	RF shield room	set	1	<p>The RF shields, shielding door, Observation window, transmitting plate, wave guide plate, indoor light and necessary decoration (not include the indoor concrete foundation and ground laid) will be supplied by us (company).</p> <p>The engineering and construction, exterior decoration of the shielding room, indoor concrete foundation and ground laid, operation room, equipment room, air condition room, air condition, connecting of power supply, independent grounding line will be provided by the hospital.</p>
2	Permanent magnetic	set	1	<p>Permanent Nd-Fe-B magnet</p> <p>C shaped open, eddy current free, self-constant temperature, magnet</p>
3	spectrometer	set	1	4 channel, full digital
4	Pre-amplifier	set	1	
5	RF amplifier	pcs	1	
6	Flat transmitting coil	set	1	
7	Gradient amplifier	pcs	1	
8	Gradient coil	set	1	
9	Computer system	pcs	1	<p>Dual core processing workstation</p> <p>CPU: <math>\geq 2.8\text{GHz}</math></p> <p>Hard disk: <math>\geq 250\text{Gbyte}</math></p> <p>memory: 2048 Mbyte</p> <p>video memory: 128Mbyte</p>

				Optical disk : CD-RW / DVD-RW Keyboard, mouse
10	monitor	pcs	1	22" TFT LCD
11	Customized modular operation desk	set	1	
12	Shell and patient bed	set	1	
13	multi channel 14" body coil	set	1	Phased array
14	multi channel 17" body coil	set	1	Phased array
15	multi channel head coil	set	1	Phased array
16	multi channel neck coil	set	1	Phased array
17	multi channel knee coil	set	1	Phased array
18	Multi channel moving joints analysis coil	set	1	Phased array
19	multi channel shoulder coil	set	1	Phased array
20	Mattress, headrest, pillow	set	1	
21	Water chamber	pcs	1	
22	MRI alarm mark	set	1	
23	documents			Technology manual, operation manual, maintenance manual
24	Three phase regulated AC source	pcs	1	
25	Self contrast temperature	set	1	

26	Duplex speech transmitting system	set	1	
27	Background music system	set	1	
28	Laser positioning system	set	1	

### Specifications

Magnet system	C shaped open , eddy current free, self-constant temperature, permanent Nd-Fe-B magnet
Field strength	0.35T
Homogeneity	20cm DSV $\leq \pm 1\text{ppm}$ (FWHH) 40cm DSV $\leq \pm 2.5\text{ppm}$ (FWHH)
Shimming	Active shimming; positive shimming
Gap	405mm
<b>Gradient system</b>	
Gradient strength	(Single axis) 18mT/m; (effective) 31 mT/m
Slew rate	(Single axis) 60mT/m/ms; (effective) 104mT/m/ms
Gradient linearity	<5% (400mm×400mm×380mm)
<b>RF system</b>	
Type	Full digital
Transmitting bandwidth	14 - 400 MHz
Receiving channel	4 channels
Max. receiving bandwidth of each channel	400KHz
receiving dynamic range	$\geq 80\text{dB}$
Max receiving signal resolution	400 KHz, 18bit
Noise factor	0.3 dB
Max. power of RF amplifier	6 KW
RF coil	Flat transmitting coil
Receiving coils	4 channel Phased array coils
<b>Computer system</b>	
type	Dual core processor workstation
Operation system	Windows 2000/ NT/ XP
CPU	$\geq 2.8\text{G}$
Hard disk	$\geq 250\text{G}$

Memory	2048 Mbyte
Video memory	128 mbyte
Optical disk storage	CD-RW or DVD-RW
monitor	22" high resolution TFT LCD; working resolution: 1680 x 1050
Interface standard	DICOM 3.0
Image post-processing	Image simultaneous filtering, enhance, amplify, translation, clip, negative film, automatic window width and level, text label, distance measurement, signal-value distribution
Imaging transmitting	DICOM 3.0, and compatible with PACS system
<b>Auto pre-scan</b>	
	Fast auto correcting Auto frequency tracing auto RF correcting auto Gain adjustment auto coil identification auto coil turning auto shimming compensation auto phase correction
<b>Scanning sequence</b>	
	Spin Echo sequence (SE) Multi-slice multi-echo sequence (MSME) Gradient echo sequence (GRE 2D, 3D) Steady state process gradient echo (SSPGRE) fast spin Echo sequence (FSE). Fast relaxation fast spin echo sequence (FRFSE) Single shot fast spin echo sequence (SSFSE) Multi shot fast spin echo sequence (SSFSE) Inversion recovery sequence (IR) Inversion recovery fast spin echo sequence (IRFSE) Short time inversion recovery sequence (STIR) Fluid attenuated inversion recovery sequence (FLAIR) 2D vascular imaging (TOF) 3D vascular imaging (TOF / MOTSA) Line scan diffusion weighted imaging sequence (LSDI) Echo planar imaging sequence (EPI) MR cine loop
Imaging specification	
Space resolution	1 mm (head 24 cm FOV, 256 x 256) 1.5 mm (body 30 cm FOV, 256 x 256)
Acquisition matrix	64 / 128 / 256 / 512
Max display matrix	1024 x 1024

Field of view	20 - 400 mm
Slice thickness	1 - 100 mm
Slice orientation	Transverse, sagittal, coronal, any angle any oblique
Image type	T1 weighted imaging, T2 weighted imaging, T2*weighted imaging, proton density imaging, water suppressed imaging, fat suppressed imaging, MRM, MRU, MRCP, vascular imaging, diffusion weighted imaging (DWI)
Special technology	<p>Self contrast temperature</p> <p>Active shimming</p> <p>multi-slice multi-angle scanning</p> <p>Fat suppression</p> <p>Water suppression</p> <p>Water imaging (MRCP, MRU, MRM)</p> <p>Magnetization transfer contrast (MTC)</p> <p>Phase gradient Code selectable??</p> <p>Presaturation (PS)</p> <p>Flow compensation</p> <p>Parallel acquisition</p> <p>Partial acquisition</p> <p>Improving bandwidth acquisition??</p> <p>Oversampling</p> <p>ECG gating</p> <p>Breath hold scanning</p> <p>Maximum intensity projection</p> <p>Cine-loop</p>
<b>Patient management system</b>	
Patient bed	Maximum load 200Kg
	<p>Duplex speech transmitting system based on the operator and patient</p> <p>Background music</p> <p>Observation window</p> <p>Laser positioning system</p> <p>Patient database management system</p>
Environments	Three phase A.C 380V; 50Hz, 10 KVA