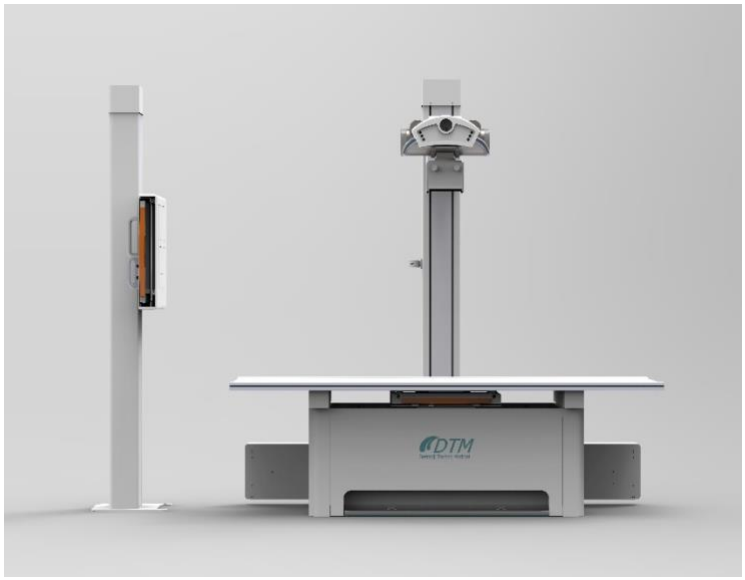
TAHAT 50A

Medical X-ray System

Product Specification

High Performance & Suitable Budget



Configuration		
No.	**Name of Component**	**Quantity**
1	X-Ray Generator	1
2	Yuanzhi Tube	1
3	Wall stand assembly	1
4	Fixed exam table with 4-way floating	1
5	Automatic Tracking Module	1
6	Manual Collimator	1
7	Grid	2

Specification		
	X-Ray Generator	
	Input power	380VAC, three phase
	Nominal electric power	50kW

1	Tube voltage range	40~150kV
	Current output range	10 ~ 630mA
	Time of exposure	1ms~6300ms
	Current & Time range	0.1 ~ 630mAs
	Automatic APR linkage function	Provide
2	**X-Ray Tube**	
	Focal spot	0.6/1.2mm
	Focal power	20kW/50kW
	Tube voltage range	40~150kV
	Anode heat capacity	300kHU
	Rotary anode	2800 RPM
	Stand Assembly	
	Moving range of detector under bed	585mm, deviation±5%
	Height of tube stand	2200mm, deviation±5%
	Tube stand rotation angle	±90°, deviation±2%
	Tube stand horizontal movement range	1700mm, deviation±5%
	Tube rotation angle	±90°, deviation±2%
	Tube vertical movement range	850mm, deviation±5%
	Distance from tube focus to floor	Min:450mm, deviation±5%

3		Max:1800mm, deviation±5%
	Chest stand Bucky vertical movement range	1400mm, deviation±5%
	Distance from Bucky center to floor	Min: 480mm, deviation±5%
	Height of Bucky stand	2200mm, deviation±5%
	SID	1.3m/1.8m
4	**Patient Bed**	
	Size （L x W x H）	2200×800×680mm, deviation±5%
	Longitudinal floating range	750mm, deviation±5%
	Horizontal floating range	210mm, deviation±5%
	Lead equivalent	≤1.2mmAl
	Bearing Weight	200kg
	Bed panel floating	Four-way floating tabletop
	Floating control mode	Foot switch, EM lock
5	**Automatic Tracing Module**	
	Tracking method of tube, bucky stand and patient bed	Two-Terminal synchronous motor driving
	Tracking method of tube and under-bed detector	Mechanical physical tracking

	Automatic tracing the wall stand and the table detector along the vertical and horizontal axis.	Provide
6	**Collimator**	
	FOV	≥430mm×430mm
	Type	Manual
	Brightness	≥160 Lux @SID100cm
	Automatic shutdown time	30±2s
	Inherent filtration	2mm·Al@75kVp
7	**Grid**	
	Grid density	40lp/cm
	Grid ratio	10： 1
	Size	18×18 inch