NeoCare
Trust in Technology

Care 320 HF

Shandong NeoCare Medical Equipment Co. Ltd.

www.neocare.com.cn

关于我
ABOUT US

HONESTY CREATES QUALITY

品展示
PRODUCT DISPLAY

Shandong NeoCare Medical Equipment Co. Ltd. (referred to as "NeoCare Medical") was established in 2014. It is a technology guided enterprise that focuses on the research and production of medical equipment imaging technology, with a focus on technology. After more than 10 years of development, the company has become a company that integrates the research and development, production, medical diagnosis, and hospital management of imaging equipment, and has grown into an enterprise with advanced technology development and production capabilities. At present, the company mainly produces X-ray photography systems, related medical image processing software, imaging equipment upgrade solutions, and services.At present, the company has more than a hundred cooperative customers and sales outlets covering various provinces, cities, and grassroots hospitals across the country, mainly providing radiology imaging equipment and services to grassroots hospitals. Aiming to produce higher quality imaging equipment and provide more comprehensive and technologically advanced medical imaging technology services.

产品介绍

PRODUCT
INTRODUCTION

NeoCare

PRODUCT
ADVANTAGES

Intelligent Control

Electric lifting columns
Electric four-way floating bed
Automated chest X-ray tracking

Core Components

High frequency generator
Large capacity X-ray tube

Advantage

Fast, multi-position photography

X-ray tube automatic tracking detector

Make filming faster and better, effectively reducing the workload of operation technicians

Large heat capacity tube

Support long-term continuous physical examination

NeoCare
Trust in Technology

Shandong NeoCare Medical Equipment Co. Ltd.
Address: No.7 Xingtan Road, Lingcheng District, Qufu, Shandong, China 273100
Tel/Fax : +86 537 8932886, +8615563782778 | Email : info@neocare.com.cn,
sales@neocare.com.cn | Website : www.neocare.com.cn

NeoCare
Trust in Technology

Specifications

Care 320HF

Frame

Overall appearance	White

Photography bed

Photography bed	Fixed height 650mm±10mm
Bed board motion control	Manual, 4- way float (vertical 900mm±10mm, Horizontal 250mm±10mm). Foot control electromagnetic brake
Bed locking method	Electromagnetic lock, power-off lock
Bed board size	Length×width：（2130mm±10mm）×（800mm±10mm）
Bed board material	Density board
Bed board load-bearing	≥200kg
BUCKY	Manual control, distance 500mm±10mm
Flat panel detector	Dimensions (length × width × height)：460mm×460mm×15mm
Safety	Emergency stop switch

Chest rack

Motion control	Manual lifting; electromagnetic braking, power-off braking;
Initiation power	≤50N
Braking power	≥100N
Total height	2130mm±10mm
BUCKY distance	1400mm±10mm （minimum 360, maximum 1760)
Front panel material	ABS
Flat panel detector	Dimensions (length × width × height)：460mm×460mm×15.1mm

Photography stand

Motion control	Manual lifting; electromagnetic braking, power-off braking
Initiation power	≤50N
Braking power	≥100N
Distance of the column along the track	≥1700mm
Total height	2210mm±10mm
Tube vertical distance	1240mm±10mm (minimum 540mm, maximum 1780mm)
Beam limiter	Manual beam limiter
Tube support arm	Fixed length, axial rotation (tube rotation) ±180°, axial rotation around the column not less than ±90.

High Pressure Generator

Output power	24kW
Rating voltage	380VAC, ±10%, 50Hz/60Hz 3phase
Inverter frequency	25kHz,±10%
kV accuracy	±5%
mA accuracy	≤±(5%)(mA＞25mA,ms>5); ≤±(10%+1mA)(mA≤25mA); ≤±20%(ms≤5)
Rotor Speed	Low speed
KV Range	40kV-125kV,1kv step
mA Range	10-320 mA
ms accuracy	≤±(5%+0.2ms)
mAs Range	0.1-320mAs
mAs accuracy	≤± (5%+0.2mAs)

Light beam device

Inherent filtration	1. 5 mm Al (equivalent)
Optional additional filtering	0. 5/1. 0/1. 5mmAl
Maximum tube assembly is of high pressure	150 kV
Average irradiation brightness	3160 Lux
irradiation time	30s ±5%
Light field indicator light	24V / 5W LED lamp
Input electricity	24VAC, 0.2A
Minimum irradiation field	<20mmX20mm ； at SID 100cm
Maximum irradiation field	43 X 43cm ； at SID 100cm
Weight	6. 8kg±0. 5kg

Wired flat-panel detector

Image size	43X43cm(17" X 17")
Dimensions	46.0 X 46.0 X1.5cm
Pixel size	139μm
X-ray Voltage Range	40-150KV
Weight	3.2kg

Wireless flat-panel detector

Image size	43X43cm (17"X 17")
Dimensions	46.0X46.0X1.5cm
Pixel size	139μm
X-ray Voltage Range	40-150KV
Weight	3.7kg

The X-ray tube assembly

Large focus for the maximum power	Large focus: 24 kW
Focal point	0. 6/1. 0mm
Heat capacity	250kHU
Heat capacity of pipe sleeve	800kJ
Target angle	12.0°
Inherent filtration	1. 0mm Al
Added filtration	1. 5mm Al (3X0. 5 mm AL)
Weight	About 15kg
Structure	The components are aluminum shell, tangential, oil-immersed cooled, rotating anode X-ray tube assembly.
Leakage radiation loading factor	150kV 3.4 mA
Insulation impedance	>2MQ
Focus position and its tolerance to the	± 1.4mm
The X-ray radiation field	At SID, 420 * 420mm at 1000 mm
Power supply (neutral ground)	Single-phase, three-phase full-wave rectification or DC power supply
filament current	4.5 A
filament voltage	Big focus: 11.5±1V, small focus: 7.5±1V
Nominal anode input power	Large focus: 40KW, small focus: 15KW
Anode speed	2800 rpm
Cooling-down method	Natural cooling or forced air cooling
Temperature range of the components in normal use	16～70°C
Maximum continuous thermal dissipation of the components	No less: 180W (18 kHU / min); Fan: 250W (25 kHU / min)

Transportation and storage conditions

Relative humidity	10% ～95%
Atmospheric pressure	700hPa—1060hPa
Ambient temperature	-10°C ～50°C

Work environment requirements

Relative humidity	30% ～75%
Atmospheric pressure	700hPa—1060hPa
Ambient temperature	5°C ～40°C