

Configurations & Specifications of Navigator Platinum

1. Standard Configuration

Item	Description
1	The Mammography System
	<ol style="list-style-type: none"> 1. Standalone System (Generator Integrated within the main machine) 2. Generator: 40 kHz, 20 kV to 40 kV in 1 kV 3. High performance X-ray tube: Molybdenum Anode, Focal Spot Size: 0.1 mm (Small)/ 0.3 mm (Large) 4. Support ISO center rotation function C-arm Rotation range: +180°/-135° 5. Height range of breast support surface: 750mm-1330mm (±2%) 6. C-arm: Motorized Movement, Dual side digital display 7. Compression Paddles: Dual Smart Compression Mechanism 8. Spatial Resolution: ≥15Lp/mm 9. Film size: 18*24cm or 24*30cm 10. Focal distance : 650mm 11. Additional filter: 0.03mm Molybdenum / 0.5mm Aluminum Additional filter Switch: Automatic 12. Field adjustment: Auto/Manual 13. Remote control panel: 7inches 14. Magnification ratio: (1.8)/1 15. Exposure mode: Manual / AEC 16. Power supply: single phase, AC 220~230 V±10% Frequency: 50/60 Hz±1 Hz 17. Max. power : 4000 VA 18. N.W.: 240 Kg 19. Packing Size: 115 X 85 X 135 CM
2	High Frequency High Voltage Generator
	<ol style="list-style-type: none"> a) Type: single phase, Constant High Frequency Generator b) Working frequency: 40 kHz c) Max. Output:4 kW d) kV Range: 20 kV to 40 kV in 1 kV increments e) Tube mA Range: 15mA to 110 mA mAs range: 10~600mAs
3	X-Ray Tube

	<ul style="list-style-type: none"> a) Anode Type: Molybdenum b) Focal Spot Size: 0.1 mm (Small)/ 0.3 mm (Large) c) Fixed Filter: 0.5mm Be d) Additional filter: 0.03mm Molybdenum / 0.5mm Aluminum e) Anode Speed: 3000rpm/min Maxi. Speed:10000rpm/min f) Max. mA Range: 35mA (Small Focal)/140mA (Large Focal) g) Anode heating capacity: 320 KJ/416KHU
4	C-arm Assembly
	<ul style="list-style-type: none"> a) C-arm Movement: All Motorized b) ISO center rotation: Yes c) Position location: CC,OBL,LAT d) C-arm Rotation range: +180°to -135° e) C-arm travel range: 1385mm~1965mm (±1%) f) Focal distance : 65cm g) 2 side foot switch control h) Digital Display of C-arm Rotation and thickness on each side of C-arm (size: 15*9cm) i) Emergency "STOP" switch for more safety
5	Compression Paddles (Smart Paddle System)
	<ul style="list-style-type: none"> a) Paddle size: 18*24cm or 24*30cm b) Digital Display of compression force on each side of C-arm c) Dual Smart Compression Mechanism j) d) Smart Compression Mechanism: Motorized up and down, soft compress, auto release, manual de-compress e) Paddles Travel Range: 268mm f) Compression Range: 0~200N (20 kg), increment10N (1 kg)

2. Options

Option 1: cassette with grid

Item	Description
Cassette with grid (small size)	<ul style="list-style-type: none"> a) Size: 18*24cm b) Line: 103 L/Inch or 40 L/cm c) Ratio: 5:1 d) F.D: 65cm
Cassette with grid(big size)	<ul style="list-style-type: none"> a) Size: 24*30cm b) Line: 103 L/Inch or 40 L/cm c) Ratio: 5:1 d) F.D: 65cm

Option 2: Magnification rack

Item	Description
Magnification rack	a) Rack for:18*24cm or Rack for 24*30cm b) magnification ratio: 1.5 or 1.8 Note: the magnification rack is not used with grid.

Option 3: compression paddle

Item	Description
18X24L paddle	Size: 18*24cm (L40mm)
18X24 H paddle	Size: 18*24cm (H90mm)
24x30 L paddle	Size: 24*30cm (L40mm)
24x30H paddle	a) Size: 24*30cm(H90mm)
2D Biopsy paddle	a) Size: 18*24cm or Size 24*30cm b) Support 2-D biopsy location c) The paddle has coordinate axis and holes for biopsy
spot paddle	a) Used in the spot compression and film
Mag. paddle	a) Used with the magnification rack
Mag. spot paddle	a) Used with the magnification rack
Axilla paddle	a) Used to take film for axilla tissue

Option 3: Mo/Rh filter

Item	Description
(1) Mo/Rh additional filter	a) With Mo and Rh as filter b) 0.03mm Molybdenum / 0.025mm Rh c) Electric switch between these two filter d) Automatic switch according to the thickness in AEC mode e) Field range: 18*24, 24*30,spot film, magnification film f) Field range can be chosen by manual g) The field light can be on/off