

◆ 고주파 9Mv X-ray 발생장치 ◆

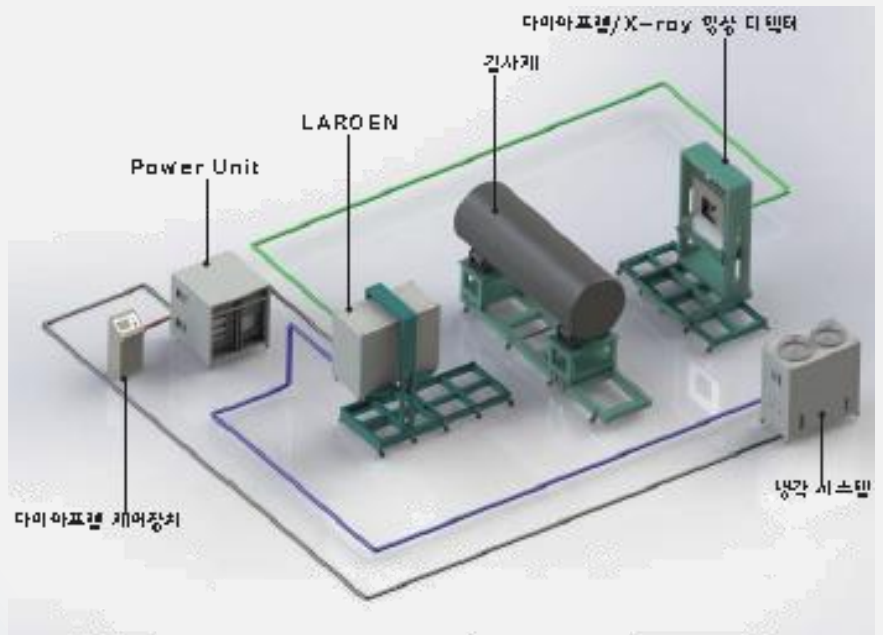
Model : 9MV X-Ray DR System

고주파가 걸린 전극 사이에 전자를 직선으로 통과시켜 빛의 속도로 가속시킨 뒤 타겟에 충돌시켜 높은 에너지의 X-ray를 발생시키는 장치.

특징

- 에너지의 선택이 가능 (0.5~15 MeV)
- 다양한 X-ray 선량 선택이 가능
- 전체적인 제품 사양에 대한 선택 폭이 넓다
- 산업용, 연구용, 의료용 등 다양한 분야에 적용 가능
- 신속한 A/S가 가능하다.

LAROEN Linac Control Program and Inspection Program



◆ 고주파 X-ray 발생장치 ◆

Model : 9MV X-Ray DR System

MV X-Ray DR System		
	S9	S6
High Energy Linac		
Head Dimensions	< W:900xD:1900xH:1300mm	< W:850xD:1700xH:1300
Head Weight(TON)	<1.5	<1.5
X-Ray Nominal Energy	9 MeV	6 MeV
X-Ray Max. Dose Rate	30 Gy/min@1m	8 Gy/min@1m
X-ray Field Size	TBD	TBD
Focal Spot Size	<2.0mm	<2.0mm
Beam Symmetry	Dose not exceed $\pm 5\%$ within the range of $\pm 7.5^\circ$ from the beam's center	
Radiographic Quality (steel)	During Steel-based Im shooting, min.80mm - max. 380mm.	During Steel-based Im shooting, min.50mm - max. 250mm.
	During Steel-based DR shooting, -max.260mm	During Steel-based DR shooting, -max.210mm
	System requires image quality of at least ASTM E94 2-2T	System image quality of at least ASTM E94 2-2T
DR 픽셀 수	2048 x 2048	2048 x 2048
Control Method	Touch Pad or PC	Touch Pad or PC
Cooling System	Water Cooling	Water Cooling
Leakage Radiation	The leakage radiation is measured along the horizontal axis at 1 meter from the beam centerline at angles 60° and greater, outside the primary beam.	
Safety System	Warning Alarms, emergency breaker, remote interlock, warning light, warm-up and power status display, error information, and rebooting (Self-shielding, equipment)	

LINAC for X-ray Generator / Line Up

Model	Energy(MeV)	Dose(Gy/min@1m)
LAROEN S1	1	1
LAROEN S3	3	3
LAROEN S6	6	6
LAROEN S9	9	9