



Rotating Anode X-Ray Tube & Housing
Stationary Anode X-Ray Tube
NDT & Security Tube
Analysis Tube



杭州凯龙医疗器械有限公司

Hangzhou Kailong Medical Instruments Co., Ltd.



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ROTATING ANODE SERIES X-RAY TUBE

www.kailongx-ray.com

◆ Rotating Tube

X-ray tube	Equivalent	kVp (Rad)	Focus spot (S / L)	Max.tube current (mA)	Target angle (°)	Rotation speed (min ⁻¹)	anode heat capacity (KHU)	Cooling rate (W)	Max.rating (kW,0.1s)
KL60-0.3/0.6-130	IAE X22P	130	0.3 / 0.6	70/180	16	2700	135kJ(190kHU)	300	3.8 / 10
KL60-0.3/0.8-130	-	130	0.3 / 0.8	70/250	16	2700	135kJ(190kHU)	300	3.8 / 16
KL62-0.3/1.2-110	-	110	0.3 / 1.2	75/400	13.5	2700	111kJ(150kHU)	300	3.5 / 30
KL64-0.8/1.8-125	Toshiba DR-61 Varian RAD1	125	0.8 / 1.8	250/500	15	2700	80kJ(112kHU)	300	11 / 27
KL65-0.6/1.3-130	Toshiba E7846 IAE X22 0.6/1.3	130	0.6 / 1.3	250/500	15	2700	80kJ(112kHU)	300	11 / 32
KL65-0.8/1.3-130	Toshiba E7848 IAE X22 0.8/1.3	130	0.8 / 1.3	280/500	15	2700	80kJ(112kHU)	300	16 / 32
KL66-0.3/0.6-130	IAE X20P	130	0.3 / 0.6	120/300	10	2700	150kJ(210kHU)	300	5 / 17
KL70-0.7/1.3-130	Shimadzu Mobile	130	0.7 / 1.3	320/500	14.5	2700	210kJ(300kHU)	750	18 / 36
KL72-0.6/1.5-130	-	130	0.6 / 1.5	300/800	13.5	2700	225kJ(320kHU)	500	17 / 52
KL73-1.0/2.0-125	Toshiba E7239	125	1.0 / 2.0	340/570	16	2700	111kJ(150kHU)	475	21 / 43
KL74-1.0/2.0-125	Varian RAD8	125*	1.0 / 2.0	340/570	16	2700	111kJ(150kHU)	475	21 / 43
KL76-0.6/1.5-125	Toshiba E7242 Varian RAD74	125*	0.6 / 1.5	340/800	14	2700	142kJ(200kHU)	475	16.5 / 47
KL77-0.3/1.0-150	Toshiba E7299	150	0.3/1.0	70/640	12	2700	100kJ(140kHU)	475	3.4/35.5
KL78-0.3/0.6-130	Varian RAD99 Philips SRO0306	130	0.3 / 0.6	160/400	10	2700	210kJ(300kHU)	870	7.8 / 23
KL79-0.8-125	Varian RAD11 GE MX75	125	0.8	320	14	2700	142kJ(200kHU)	600	22
KL80-0.6/1.2-150H	Toshiba E7252 Varian RAD14	150	0.6 / 1.2	500/1200	12	2700	210kJ(300kHU)	475	21 / 52
						9700			33 / 78
KL83-0.6/1.2-125	Toshiba E7240	125*	0.6 / 1.2	200/500	12	2700	111kJ(150kHU)	475	16 / 32
KL86-0.6/1.2-150	Toshiba E7843 Varian RAD12	150	0.6 / 1.2	370/800	12	2700	111kJ(150kHU)	475	20 / 50
KL87-0.75/1.25-150	Varian RAD10	150	0.75/1.25	250/600	16	2700	210kJ(300kHU)	800	19/41
KL92-0.6/1.2-150H	IAE RTM90HS 0.6/1.2	150	0.6 / 1.2	600/1000	12	2700	210kJ(300kHU)	825	24 / 60
						9700			35 / 85
KL94-0.6/1.2-150H	Philips SRO33100	150	0.6 / 1.2	600/1000	12	2700	210kJ(300kHU)	825	22 / 52
						9700			37 / 90
KL100-0.6/1.2-150H	Toshiba 7254 Varian RAD21/RAD60	150	0.6 / 1.2	600/1200	12	2700	300kJ(400kHU)	1250	24 / 60
						9700			40 / 100
KL101-0.6/1.2-150H	Varian A195 GE MX100	150	0.6 / 1.2	600/1200	12	2700	300kJ(400kHU)	1250	24 / 60
						9700			40 / 100
KL108-0.6/1.2-150H	IAERTC600HS 0.6/1.0	150	0.6 / 1.2	600/1200	12	2700	444kJ(600kHU)	1250	24 / 60
						9700			40 / 100

Note: Rotation 2700 (min⁻¹) = 50 Hz 9700 (min⁻¹) = 180 Hz

*Update to 150kV on demand



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H SERIES X-RAY TUBE HOUSING ASSEMBLY

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◆ X-Ray Tube Housing Assembly

X-ray tube assembly	Equivalent	kV (Rad)	Focus spot (S/L)	Max. tube current (mA, S/L)	Anode				Max. rating (kW, 0.1s)
					Anode angle (°)	Rotation speed (min ⁻¹)	Heat capacity (kHU)	Cooling rate (W)	
H1074	Toshiba E7239 Varian RAD8/DIAMOND IAE X40/C52	125*	1.0 / 2.0	340 / 570	16	2700	111kJ (150kHU)	475	21 / 43
H1076	Toshiba E7242 Varian RAD74/DIAMOND	125*	0.6 / 1.5	340 / 800	14	2700	142kJ (200kHU)	475	16.5 / 47
H1077	Toshiba E7299	150	0.3/1.0	70/640	12	2700	100kJ (140kHU)	475	3.4/35.5
H1080	Toshiba E7252 Varian RAD14/DIAMOND IAE RTM782HS/C352	150	0.6 / 1.2	500 / 1200	12	2700	210kJ (300kHU)	475	21 / 52
						9700			33 / 78
H1083	Toshiba E7240	125*	0.6 / 1.2	200/500	12	2700	111kJ (150kHU)	475	16 / 32
H1086	Toshiba E7843 Varian RAD12/DIAMOND	150	0.6 / 1.2	370/800	12	2700	111kJ (150kHU)	475	20 / 50
H1075	Toshiba E7813 Varian RAD13/DIAMOND	150	1.0 / 2.0	600 / 1100	16	2700	210kJ (300kHU)	475	25 / 50
						9700			37 / 80
H2092	IAE RTM90HS 0.6 / 1.2	150	0.6 / 1.2	600 / 1000	12	2700	210kJ (300kHU)	825	24 / 60
						9700			35 / 85
H2100	Toshiba E7254 Varian RAD21/RAD60/SAPPHIRE	150	0.6 / 1.2	600 / 1200	12	2700	300kJ (400kHU)	1250	24 / 60
						9700			40 / 100
H2108	IAE RTC600HS 0.6 / 1.2 Varian RAD92/SAPPHIRE	150	0.6 / 1.2	600 / 1200	12	2700	444kJ (600kHU)	1250	24 / 60
						9700			40 / 100

Note: Rotation 2700 (min⁻¹) = 50 Hz 9700 (min⁻¹) = 180 Hz

*Update to 150kV on demand

◆ Mammography Assembly

X-ray tube assembly	Equivalent	kVp (Rad)	Focus spot (S / L)	Max. tube current (mA, S/L)	Anode				Max. rating (kW, 0.1s)
					Anode angle(°)	Rotation speed(min ⁻¹)	Heat capacity (kHU)	Cooling rate(W)	
H5077M	Varian M113 B115 IAE XM1016 0.1/0.3	49	0.1 / 0.3	50 / 160	10 / 16	2700	350	100	0.8 / 3
						9700			1.32 / 4.9
H5077T	Varian M113T B115 IAE XM1016 T 0.1/0.3	49	0.1 / 0.3	74 / 260	10 / 16	2700	350	100	1.48 / 5.8
						9700			2.5 / 9.6

Note: Rotation 2700 (min⁻¹) = 50 Hz 9700 (min⁻¹) = 180 Hz



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STATIONARY ANODE SERIES X-RAY TUBE

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◆ Intraoral Dental Tube

Type	Equivalent	Focal spot	Max.rating (W,1s)	Max.voltage (kV)	Max. tube current (mA)	Anode angle (°)	Anode heat (kJ)	Cooling rate (W)	Dimension length×diameter	
									STD	SB
KL2-0.8-70G	CEI OCX/65-G	0.8	560	70	8 (AC)	19	7.5	110	80×φ30	-
KL11-0.4-70	Toshiba D-045	0.4	600	70	12 (DC)	12	4.5	110	67×φ30	70×φ42
KL16-0.8-70G	CEI OCX/70-G	0.8	560	70	8	20	7	100	67×φ30	-
KL21-0.7-70	Toshiba D-0711	0.7	940	70	20 (DC)	16	7	210	67×φ30	70×φ42
KL27-0.8-70	CEI OX/70-M	0.8	840	70	23 (AC)	19	7	140	72×φ30	-

◆ Panoramic Dental Tube & CBCT Tube

Type	Equivalent	Focal spot	Max.rating (W)	Max.voltage (kV)	Max. tube current (mA)	Anode angle (°)	Anode heat (kJ)	Cooling rate (W)	Dimension length×diameter	
									STD	SB
KL5-0.5-105	CEI OPX/105	0.5	1750(1s DC)	105	22(DC)	5	30	250	140×φ42	148×φ57
KL17-0.5-100	Toshiba D-051	0.5	1750(1s DC)	100	22(DC)	5	35	250	150×φ50	150×φ61
KL29-0.5-100	Toshiba D-054/D-052	0.5	1750(1s DC)	100	22(DC)	5	35	250	138×φ45	146×φ58
KL183-0.5-100	-	0.5	1270(1s DC)	100	22(DC)	12	30	275	138×φ45	146×φ58
KL3-0.5-130	Superior SXR130-15-0.5	0.5	1270(1s DC)	130	20(DC)	15	21	275	135×φ50	145×φ62

◆ Analysis Tube

Type	Equivalent	Focal spot	Max.rating (W,continuous)	Max.voltage (kV)	Max. tube current (mA)	Anode angle (°)	Dimension length×diameter	
							STD	SB
KL7-0.1-50	-	0.1	50	50	1	20	72×φ30	-
KL41-0.05-50	Oxford TF5011/HP	0.05	50	50	1	12.5	72×φ30	-
KL43-1.0-75R	Toshiba PE-I-222	1	350	75	8	20	185×φ62	-
KL45-0.033-80	Oxford PN90507	0.033	56	80	0.7	20	78×φ30	-
KL45-0.033-80G	-	0.033	56	80	0.7	20	78×φ30	-
KL46-1.0-50	Toshiba PE-I-212	1	150	50	5.3	20	160×φ40	-
KL1601B	-	1.0X1.4	320	160	2	25	179×φ60	-

◆ Analysis Tube Assembly

Type	Equivalent	Focal spot	Max.rating (W,continuous)	Max.voltage (kV)	Max. tube current (mA)	Anode angle (°)	Dimension length×diameter
H41X-0.05-50	OXFORD TF5011/HP	0.05	50	50	1	12.5	180×φ70



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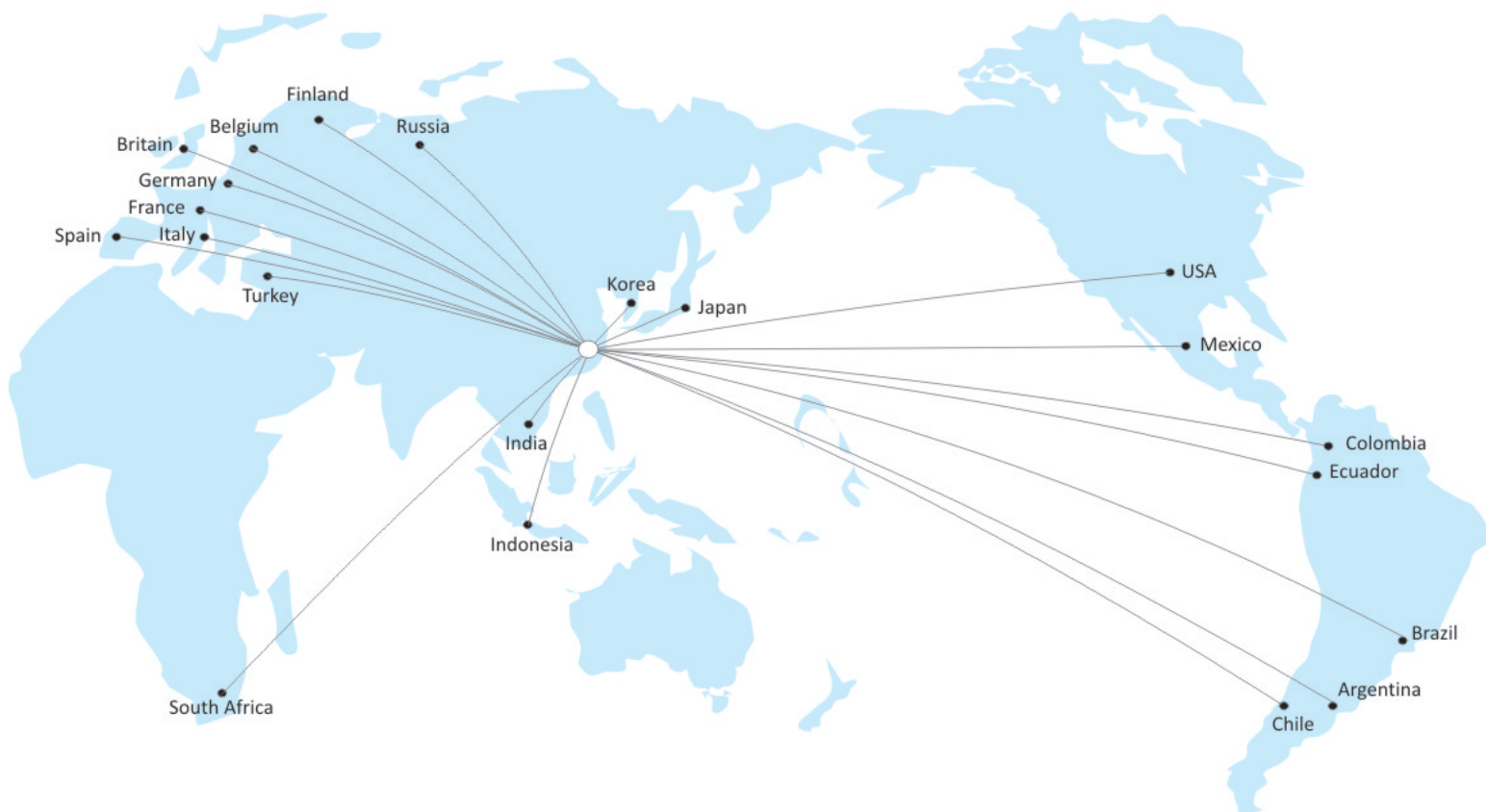
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◆ Medical Tube

Type	Equivalent	Focal spot	Max.rating (W)	Max.voltage (kV)	Max. tube current (mA)	Anode angle (°)	Anode heat (kJ)	Cooling rate (W)	Dimension length×diameter	
									STD	SB
KL10-0.6/1.8-125	CEI OX110-15	0.6 / 1.8	1270 / 5300	125	20 / 100	15	30	275	135×φ50	140×φ62
KL20-2.0-120	-	2.0	8000	120	150	15	30	250	135×φ50	145×φ62
KL20-2.8-110	CEI OX105-6	2.8	7000	110	160	19	30	250	135×φ50	-
KL22-1.8-90	CEI OX90-2	1.8	4500	90	120	19	25	250	140×φ42	-
KL24-3-125	CEI OX125M5	3	7500	125	180	15	55	380	185×φ60	-
KL25-0.6/1.5-125	CEI OX110-5	0.6 / 1.5	1300 / 4000	125	26 / 80	12	30	275	135×φ50	140×φ62
KL25-0.6/1.5-125R	-	0.6 / 1.5	1300 / 4000	125	26 / 80	12	40	600	156×φ50	168×φ62
KL30-0.8-90	-	0.8	1800	90	40	20	7	210	81×φ29.5	-
KL31-1.2-100	Toshiba D-124	1.2	2400	100	60	16	14	180	111×φ41	-
KL34-0.5-90	Brand X-ray BX-1	0.5	770	90	10	12	14	160	125×φ34	-
KL181-0.6-125	-	0.6	2100	125	44	9	60	600	156×φ52	-

◆ NDT & Security Tube

Type	Focal spot	Max. rating (W, continuous)	Max. voltage (kV)	Typ. tube current (mA)	Beam angle (°)	Dimension length×diameter
KL1001E	0.8	100	100	1	90×20	111×φ35
KL1202E	0.8	240	120	2	90×10	135×φ52
KL1601	0.5	160	160	1	60×50	179×φ60
KL1602D	0.8	320	160	2	80×60	195×φ68
KL1602E	0.8	320	160	2	80×5	195×φ68
KL1604D	0.8	640	160	4	80×60	195×φ68
KL1604E	0.8	640	160	4	80×5	195×φ68
KL1802E	0.8	540	180	2	80×5	214×φ75
KL2002E	0.8	600	200	2	80×5	214×φ75



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