

Synopsis of Dental X-Ray Room Chairs (Project 04-15) (8/04)

Most military dental clinics are multi-practitioner facilities with a designated x-ray room. There are no chairs specifically designed for use in dental x-ray rooms and most major dental chair manufacturers do not even market a chair suitable for a typical military x-ray room. This requires potential buyers to do their own research with lesser-known medical and dental chair manufacturers. Most x-ray chairs currently in the Air Force inventory are general-purpose medical examination chairs or chairs marketed specifically for optometry, dermatology and ENT.

A dental x-ray room chair must allow the patient to sit upright. A knee-break is preferred for patient comfort, technician access, and to minimize space requirements. Chair adjustability requirements can depend upon patient flow, patient type and x-ray technician personal preferences. X-ray chair adjustments can be either manual or electric. Most lift mechanisms are hydraulic.

Attached is a [synopsis](#) of medical-grade chairs, suitable for use in dental x-ray rooms. While not all-inclusive, this synopsis should provide a good source for selecting an x-ray room chair. Consultation with major dental/medical chair manufacturers and internet searches were completed before deciding which chairs to include in this synopsis. Non-medical-grade chairs (e.g., barber, salon) could be considered if expense is an overriding consideration.

Dental x-ray chairs*

Chair	<p>Boyd 530</p> 	<p>Boyd 535</p>  <p>(foot treadle option)</p>	<p>Boyd E2010</p> 
Manufacturer	<p>Boyd Industries 12900 44th St. N. Clearwater, FL 33762 (800) 255-2693 (727) 561-9292 (727) 561-9393 (FAX) www.boydind.com</p>	<p>Boyd Industries 12900 44th St. N. Clearwater, FL 33762 (800) 255-2693 (727) 561-9292 (727) 561-9393 (FAX) www.boydind.com</p>	<p>Boyd Industries 12900 44th St. N. Clearwater, FL 33762 (800) 255-2693 (727) 561-9292 (727) 561-9393 (FAX) www.boydind.com</p>
Price	<p>Retail: \$2,695.00 Gov't: \$1,738.65</p>	<p>Retail: \$2,995.00 Gov't: \$2,127.25</p>	<p>Retail: \$5,695.00 Gov't: \$3,567.75</p>
Height adjustment Mechanism	<p>Manual Foot-pump (hydraulic)</p>	<p>Electric Foot-switch (hydraulic)</p>	<p>Electric Foot-switch (scissors jack)</p>
Weight	<p>175 lbs.</p>	<p>200 lbs.</p>	<p>325 lbs.</p>
Seat height range	<p>19.0 - 26.5"</p>	<p>19.0 - 26.5"</p>	<p>19.5 - 20.5" / 22.0 - 36.0" (specify when ordering)</p>
Back recline	<p>Manual</p>	<p>Electric</p>	<p>Electric</p>
Swivel	<p>Yes</p>	<p>Yes</p>	<p>No</p>
Electrical requirements	<p>NA</p>	<p>110VAC 50/60 Hz 8A</p>	<p>110/220VAC 50/60Hz 10/5A</p>
Govt. contract	<p>GSA V797P-3697k</p>	<p>GSA V797P-3697k</p>	<p>GSA V797P-3697k</p>

*The manufacturers provided the data in this table

Dental x-ray chairs*

Chair	Dexta Mark 9X	Apex 2500	Apex 2400
			
Manufacturer	Dexta Corp. 962 Kaiser Road Napa, CA 94558 (800) 733-3982 (707) 255-2454 (707) 255-8520 FAX www.dexta.com	Global-Surgical Corp. 3610 Tree Court Industrial Blvd. St. Louis, MO 63122 (800) 861-3585 (636) 861-3388 (636) 861-2969 FAX www.globalsurgical.com	Global-Surgical Corp. 3610 Tree Court Industrial Blvd. St. Louis, MO 63122 (800) 861-3585 (636) 861-3388 (636) 861-2969 FAX www.globalsurgical.com
Price	Retail: \$3,528.00 Gov't: Call for price	Retail: \$1,990.00 Gov't: \$1,890.50	Retail: \$2,890.00 Gov't: \$2,755.50
Height adjustment Mechanism	Electric Foot-switch (hydraulic)	Manual Foot-pump (hydraulic)	Electric Foot-switch (hydraulic)
Weight	290 lbs.	130 lbs.	145 lbs.
Seat height range	20.0 - 30.0"	22.5 - 30.0"	23.0 - 31.5"
Back recline	Electric	Manual	Electric
Swivel	Optional	Yes	Yes
Electrical Requirements	115/220VAC 50/60 Hz 12/6A	NA	115/230VAC 50/60 Hz 5.6/2.8A
Govt. contract	NA	GSA V797P-4460a	GSA V797P-4460a

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Dental x-ray chairs*

Chair	<p>Reliance 3000</p> 	<p>Reliance 6200</p> 
Manufacturer	<p>Reliance Medical Prod. 3535 Kings Mills Rd Mason, Ohio 45040 (800) 735-0357 (513) 398-3937 (513) 398-0256 FAX www.reliance-medical.com</p>	<p>Reliance Medical Prod. 3535 Kings Mills Rd Mason, Ohio 45040 (800) 735-0357 (513) 398-3937 (513) 398-0256 FAX www.reliance-medical.com</p>
Price	<p>Retail: \$2,350.00 Gov't: \$1,480.00</p>	<p>Retail: \$4,675.00 Gov't: \$3,178.00</p>
Height adjustment Mechanism	<p>Manual Foot-pump (hydraulic)</p>	<p>Electric Corded foot-switch Dual finger-switch (hydraulic)</p>
Weight	<p>195 lbs.</p>	<p>325 lbs.</p>
Seat height range	<p>19.0 - 28.0"</p>	<p>21.5 - 33.0" / 9.0 - 28.0" (specify when ordering)</p>
Back recline	<p>Manual</p>	<p>Manual</p>
Swivel	<p>Yes</p>	<p>Yes</p>
Electrical Requirements	<p>NA</p>	<p>110/240VAC 50/60Hz 8/4A</p>
Govt. contract	<p>VA-V797P-4147A</p>	<p>VA-V797-4147A</p>

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