Cordless Portable Digital

X-ray



COMPANY NAME _ DEXCOWIN CO., LTD.

ESTABLISHMENT DATE _ OCTORBER 15. 2004

MAIN BUSINESS _ PORTABLE X-RAY THAT USE BATTERY (DENTAL SURGERY)

> ALL-IN-ONE STYLE DIGITAL X-RAY IMAGE PROCESSING UNIT (COMPUTER, X-RAY, DIGITAL SENSOR, BATTERY)

ADDRESS_#606, Woolim Lions Valley II 680, Gasan-dong, GeumCheon-Gu, SEOUL, KOREA TEL. 82-2-2027-2880 FAX. 82-2-2027-2884 www.dexcowin.com

ALLOOS ALLOS A















CEO MESSAGE

For the better life & Customer Satisfaction...

DEXCOWIN aims the creative innovation of technology and develops various model's X-ray equipments and digital radiography connection products through ceaseless research and development.

Our company is based on the development of the industry and the medical diagnosis equipments. And our company established for continuous competitions in business area and customer satisfaction.

Especially ADX4000 improves the digital technology a further step for the future by cooperating X-ray, Digital Sensor and PC the first time in the world.

Working with the university research institute to develop the device and to commercialize the research technology of imaging program, our company tries to contribute for the increase of national profit and to be selected as the national core research institute.

HISTORY



	08
.02 Nominated as INOBIZ Company	0
.01 Import & Sales Certified in Taiwan • Australia .01 Patent registered (Patent #10-0799314) Portable Dental Digital X-ray Equipment	07
.06 SINO dental exhibition in China participation .04 CCC (China) certificate	
.04 IDS exhibition in Singapore participation	
.03 Kuangchou exhibition in China participation	
.02 AEEDC Dubai 2006 Participation	
.02 Chicago Dental Midwinter meeting Visit	
.01 Turkey income medical equipment registration completion.	
.01 Malaysia income medical equipment registration completion.	06
.12 Japan FDA certified sales & Import in Japan	
.10 Milan International EXPODENTAL participation	
.10 Dubai FDI Annual World Dental Congress participation	
.06 SINO dental exhibition in China participation	
.04 Sales & Import certified in China (CCC certificate)	
.04 IDS exhibition in Singapore participation .03 Kuangchou exhibition in China participation	
.02 AEEDC Dubai 2006 Participation	
.02 Chicago Dental Midwinter meeting	
.01 Sales & Import certified in Turkey · Malaysia	
.12 2005 Digital Innovation Ministry of Commerce a minister Best Award	
.10 Venture design Award / ADX4000	
.10 Milano International Expo Italy participation	
.09 Moscow - exhibition participation	
.09 Turkey - EDAD Kongresi Istanbul participation .09 Patent Application - Portable digital X-ray device (No. 10-2005-036126-6)	
.09 ISO13485 Approval	
.09 CE0086 (ADX4000 / DX3000) Certification	
.07 Venture business member certification	
.07 DEXCOWIN CO, LTD company attachment institute establishment certification No.20052253	
.07 Korea Industrial Technology Association certification No.20050631	
.06 Good technology enterprise choice .06 Venture business certification acquisition No.051127032-1-01150	
.06 Turkey exclusive sale contract(SUN & RAY)	
.06 China SINO exhibition participation	
.05 Ukraine dental surgery exhibition participation	
.05 Foreign countries sale incorporation(DEXCO & SOLUTION CORPORATION)	
.04 Medical equipment manufacture item permission completion(No.05-308)-Wireless digital X-ray(ADX4000) .04 Medical equipment manufacture item permission completion(No.05-308)-Portable X-ray system(DX3000)	
.04 Battery drive style portable All in One system (ADX4000) development completion	
.04 International Dental Show in German participation	
.04 Battery drive style portable All in One system (ADX4000) development completion	
.03 Battery drive style portable X-RAY(DX3000) development completion	
.03 CE/IS013485, KGMP certification progress	
.02 Distributorship agreement with Osstem implant for domestic supply	
.02 Domestic supply conclusion with Osstem that is the domestic maximum Implant company	
.12 Patent and registration of design application(ADX4000)	
.10 DEXCOWIN CO, LTD company attachment institute establishment	
.10 Foundation (DEXCOWIN CO, LTD)	

DEXCOWIN aims the creative innovation of technology and develops various model's X-ray equipments and digital radiography connection products through ceaseless research and development

INSTITUTE INTRODUCTION

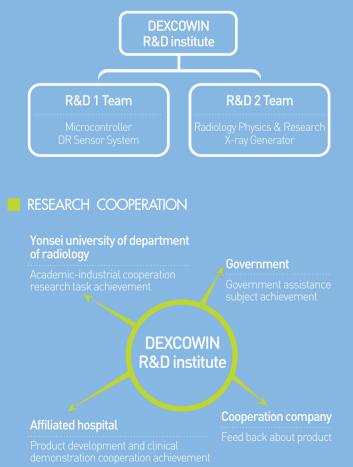
EXCOWIN research institute developed ADX4000(all-in-one style prtable dental x-ray device) for the first in the world. Management R&D putting first.

nere is consisted of professional researcher more than worthy cholar and doctor by field such as biomedical engineering, ectronics, information engineering.

cademic-industrial cooperation establishment with Yonsei niversity of department of radiology, we are achieving cooperation &D. And, is doing the best effort to develop product for patient om product plan to development stage through clinical amongeration petwork with deptal surgery bospital

emonstration network with dental surgery hospital

INSTITUTE ORGANIZATION









DX4000

DIGITAL X-RAY	
Model	ADX4000
X-ray generator	inverter
Tube voltage	60kV(fixed)
Tube current	1mA(fixed)
Tube type	Stationary
Tube focal spot	0.8mm
Target angle	20°
Exposure time (increase 0.05sec)	0.05~1.35sec
Power requirement	DC 14.2~16.8V
weight	2.2kg
Detector	Film / Digital Sensor
Power supply	Rechargeable battery
Display	3.5"TFT-LCD(radiation image display)
Image processing	Brightness/contrast/invert/zoom/mirror
Connect with sensor	E2V Digital CCD Sensor

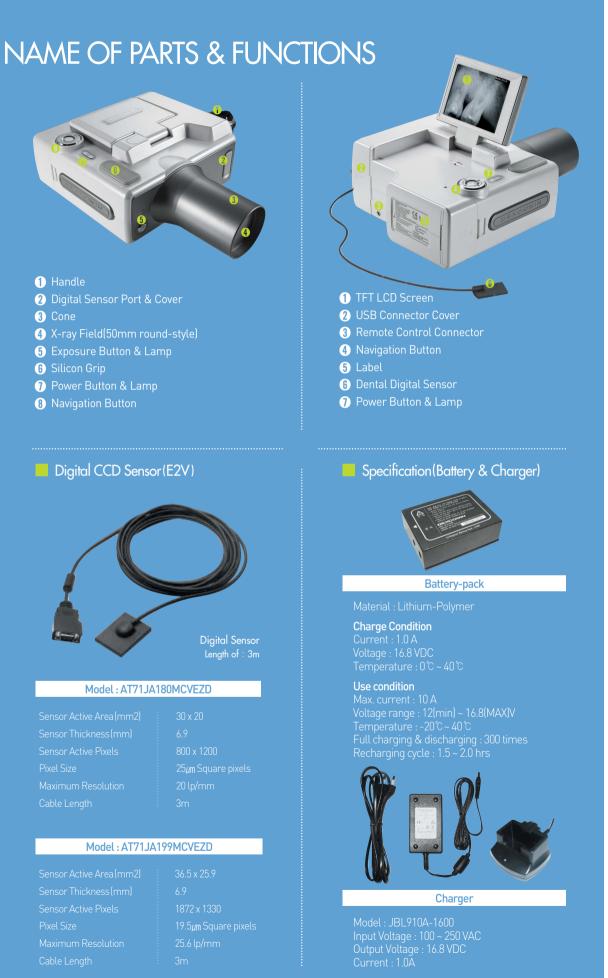
FEATURES OF PRODUCT

Convenience of cordless

Dental Digital

Radiography System

- Using of charging battery-pack of loading/unloading type
- Incredible reduction of X-ray exposure
- Up to 1/7 of existing X-ray systems
- More compact than existing portable dental X-ray in size and weight (2Kg)
- Adopting high-frequency circuit of inverter type
- Simultaneous using of digital sensor and film is possible
- More than 300 radiography is possible with one time charging of battery
- Image checking in real-time by built-in TFT LCD
- Acquisition of X-ray images of high quality using built-in diverse image processing technology
- The memory device of big capacity to manage and store the taken images
- Transmission of X-ray images to PC by way of USB cable





Portable X-ray System

DX3000

n		
		9

PORTABLE X-RAY

Model	DX3000
X-ray generator	inverter
Tube voltage	60kV(fixed)
Tube current	1mA(fixed)
Tube type	Stationary
Tube focal spot	0.8mm
Target angle	20°
Exposure time	0.05~1.25sec - Digital Sens
(increase 0.05sec)	0.20~1.35sec - Film
Power requirement	DC 14.2~16.8V
weight	1.8kg
Detector	Film / Digital Sensor
Power supply	Rechargeable battery
Display	Graphic LCD

FEATURES OF PRODUCT

Convenience of cordless

- Using rechargeable Li-polymer battery-pack
- Great reduction of X-ray exposure
- Up to 1/7 of existing X-ray systems : 60kV, 1mA
- Adopting high-frequency circuit of inverter type
- X-ray system the most suitable to diverse digital sensors. - Simultaneous use of digital sensor and film
- More than 300 exposures are possible with one time charging of battery
- More compact size/weight than existing portable dental X-ray : 1.8Kg

NAME OF PARTS & FUNCTIONS



Specification(Battery & Charger)



Battery-pack

Use condition Max. current : 10 A Voltage range : 12(min) ~16.8(MAX)V Temperature : -20°C ~ 40°C







1 Time (Mode) control button 2 LCD Window 3 Power button & lamp 4 Label 5 Focal Spot location Pointer 6 Handle



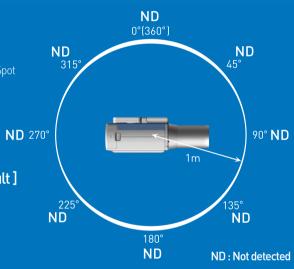
Charger

Creative Innovation and Technology...

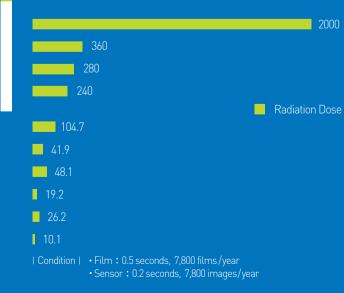
RADIATION SAFETY

Leakage Radiation at Product Surface (< 100cm)</th>ND- Radiation Below Detectable Limit (0.06 mR/hr) @1m From Focal Spot315- Leakage Far Below FDA Limit (25 mR/hr @1m From Focal Spot)-- Radiation < 2.5 mR/hr @5cm From Accessible Case Surface</td>-

[Korea Testing Laboratory (KTL) test Result]



Effect & Test result when use back-scattered shield

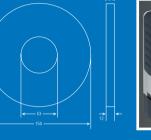


2000 ICRP Recommended Pub.60 [mR/year] Average natural Background in USA [mR/year] Average natural Background in KOREA [mR/year] Average natural Background in the world [mR/year]

> DX3000[Kodak D speed Film] [mR/year] DX3000[Digital Sensor] [mR/year] DX3000[Kodak D speed Film] With Shield[mR/year] DX3000[Digital Sensor] With Shield[mR/year] ADX4000[Digital Sensor] [mR/year]

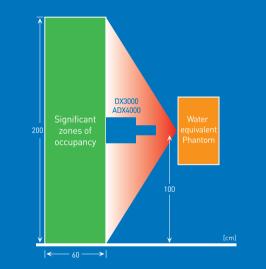
Back-scattered shield

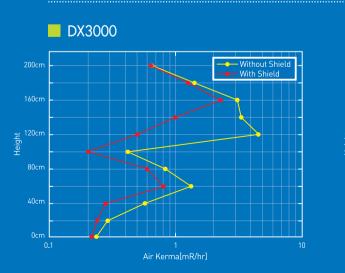




Model Name:4040 Type:Lead Acrylic 12[m

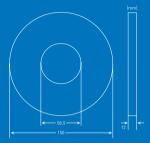
meter:150[mm] 1 eter:53[mm] 1







del Name:3030 be:Lead Acrylic 12[mm]



External Diameter:150[mm] Inside Diameter:58.5[mm]

