

RAOUF
Medical Group

دپارتمان تصویربرداری
گروه پزشکی
رئوفک



The New Dimension In Breast Tomosynthesis

Years spent working together with radiologists and radiographers with the aim of improving image quality, simplifying the procedures and thus giving them the right tools to successfully achieve their goals. Early detection of breast cancer is now an achieved goal and makes your work more convenient and safer.

More than 2 million women all over the world have been examined using the Giotto FFDM technology conceived, designed and carried out in IMS R&D laboratories. Excellent image quality, full dedication to the common task for early detection of breast cancer, designed for patient comfort, with continuous technological advance, along with attention to requirements of radiologists and radiographers are some of the reasons for the success of this amazing mammography unit.

ALL-IN-ONE-SYSTEM

- Tomosynthesis
- Synthetic view
- Tomo & Stereo biopsy in prone or up-ri

TOMO & STEREO

- 360° breast accessibility
- Compatible with all bioptic systems

ACCESSORY

- Barco Diagnostic Monitor
- Radiologist Diagnostic Workstation +CAD





Digital Mammography

RAOUF Medical Group



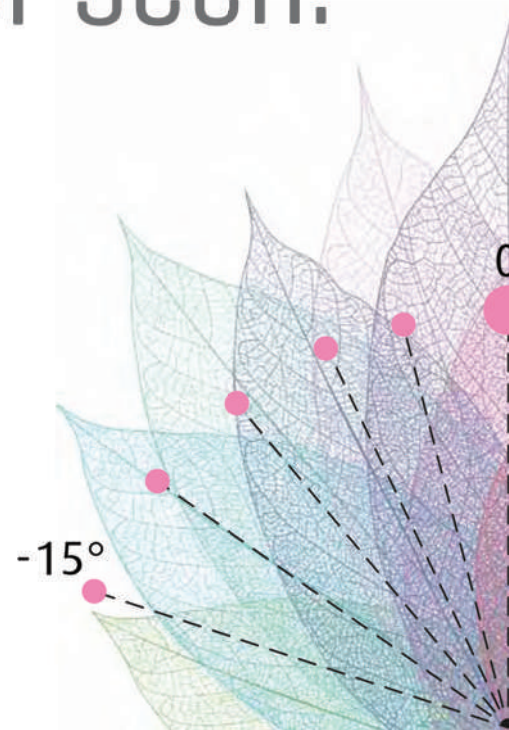
EXCELLENCE in image
quality and ergonomics

Design

Technology

Ergonomics

Never seen.



DA VINCI PREMIUM



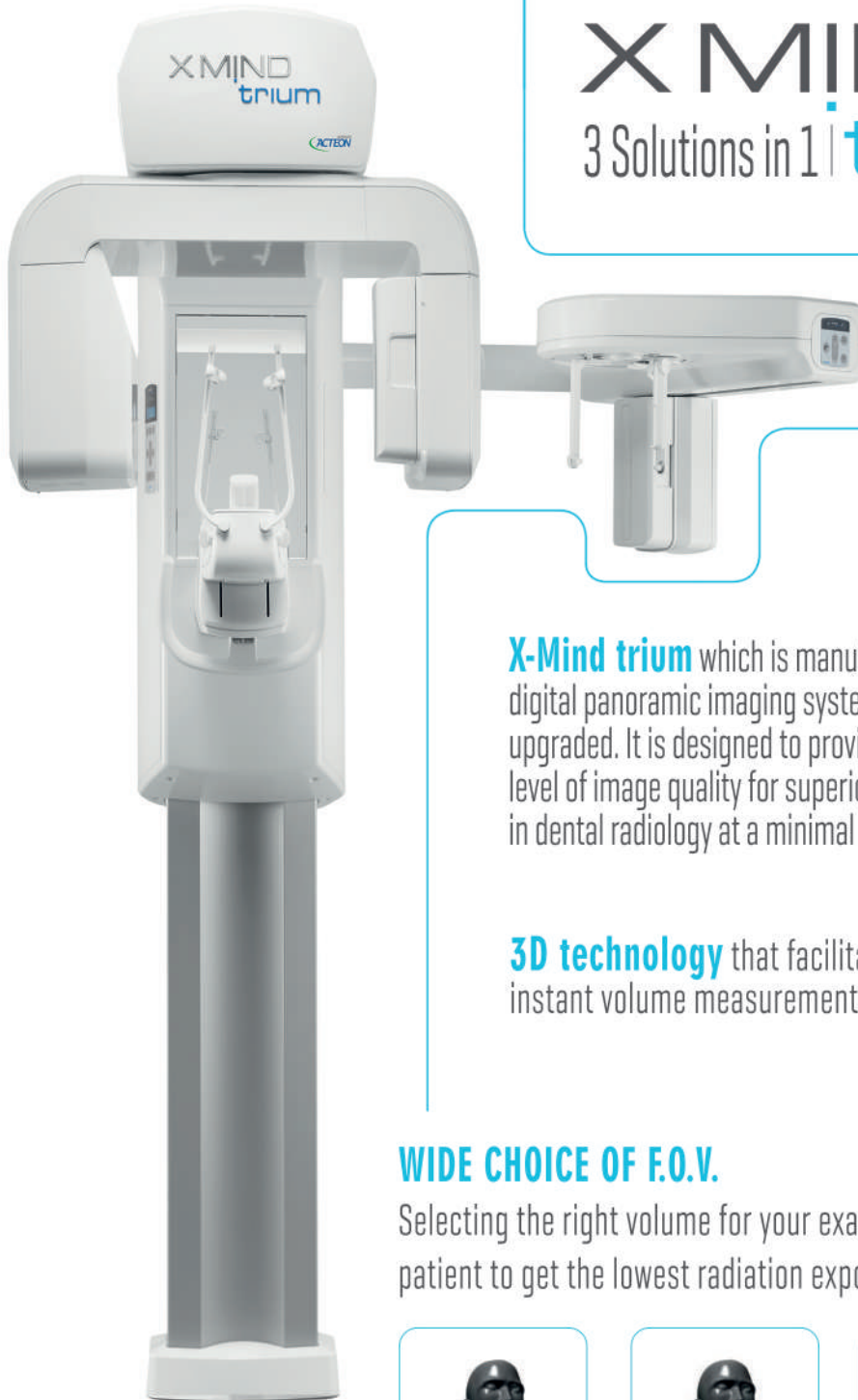
CHARACTERISTIC OF THE SYSTEM

- Variety and simplicity of set up, non-presence of floor obstacles
- Manual movements for fast positioning
- Automatic movements of alignment source/receptor and of keeping of the pre-set Focal Distance
- Electromagnetic parking brakes at permanent magnet
- Control from the control board and visualization of the working state with LCD display
- Pixium RAD4343 receptors with useful size of 43 x 43 cm [characteristics specified separately]
- Receptor holder vertically sliding vertical, inclinable from the horizontal to the vertical + 20° and rotation of 90°
- Radiographic table on wheels with mechanical brakes
- Carbon fibre table top with reduced coefficient of attenuation
- Chamber of measure for the automatic exposure control
- Manuel or Automatic collimator at square field with laser centering line



PANORAMIC IMAGING

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X MIND 3 Solutions in 1 | trium

X-Mind trium which is manufactured by ACTEON is a digital panoramic imaging system which can be upgraded. It is designed to provide the optimum level of image quality for superior diagnostic valuation in dental radiology at a minimal dose.

3D technology that facilitates implant planning with instant volume measurement and bone density assessment

WIDE CHOICE OF F.O.V.

Selecting the right volume for your examination is the warranty for the patient to get the lowest radiation exposure.



ø 40x40 mm



ø 60x60 mm



ø 80x80 mm



ø 110x80 mm

A COMPLETE RANGE OF SOLUTIONS FOR BONE DENSITOMETRY...

The Stratos DR is a high-end device providing excellent image quality and making fast exams accessible to all bone densitometry practitioners.



2D-FAN BEAM

Based on a 256-element multi-array detector, the 2D-Fan Beam is a technology designed by our R&D department to provide the highest image resolution for an optimal diagnosis.

FAST & PRECISE DIAGNOSTIC

The STRATOS DR meets the needs of the most demanding practitioners searching for a powerful, complete and precise tool able to perform examinations in only 15 seconds per site.

WIDE APPLICATIONS

The STRATOS DR is a complete device that in addition to routine exams provides a wide range of applications including orthopaedics, paediatrics, body composition and many more.

CONNECTED EXPERIENCE

Offering the possibility of multiple users on different workstations, exams can quickly be imported or exported through DICOM from STRATOS DR to the PACS and RIS.

The Platinum system

was designed to provide maximum flexibility for all types of exam rooms and for all types of exams. The Platinum makes the examination experience as calm, comfortable and non stressful as possible.

Features like the ambient light or mp3 player help put patients at ease during routine exams or special procedures.



ADAPTABILITY

The motorized tilting of the table at +/- 90° gives the Platinum the ability to easily integrate into any examination room.

PATIENT COMFORT

The Platinum can easily support a patient weighing up to 265 kg, with no movement limitations. The table top lowers to 48 cm to facilitate the patient loading. Full access around the table facilitates patient transfer.

FOCAL RANGE

With a continuous Source-To-Image-Distance (SID) of 110 to 180 cm, the Platinum allows a wide range of examinations, offering optimal accuracy for pulmonary and stitching examinations.

OPTIMAL PATIENT COVERAGE

Patient coverage is 201 cm.

As an option, longitudinal movement of the table top can further increase the patient coverage.

HIGHLY

OPTIMIZED

RADUF Medical Group

battery-powered
digital mobile x-ray unit
X-RAY



TMB 400 DR WITH FULL AND TELESCOPIC ROTATING COLUMN

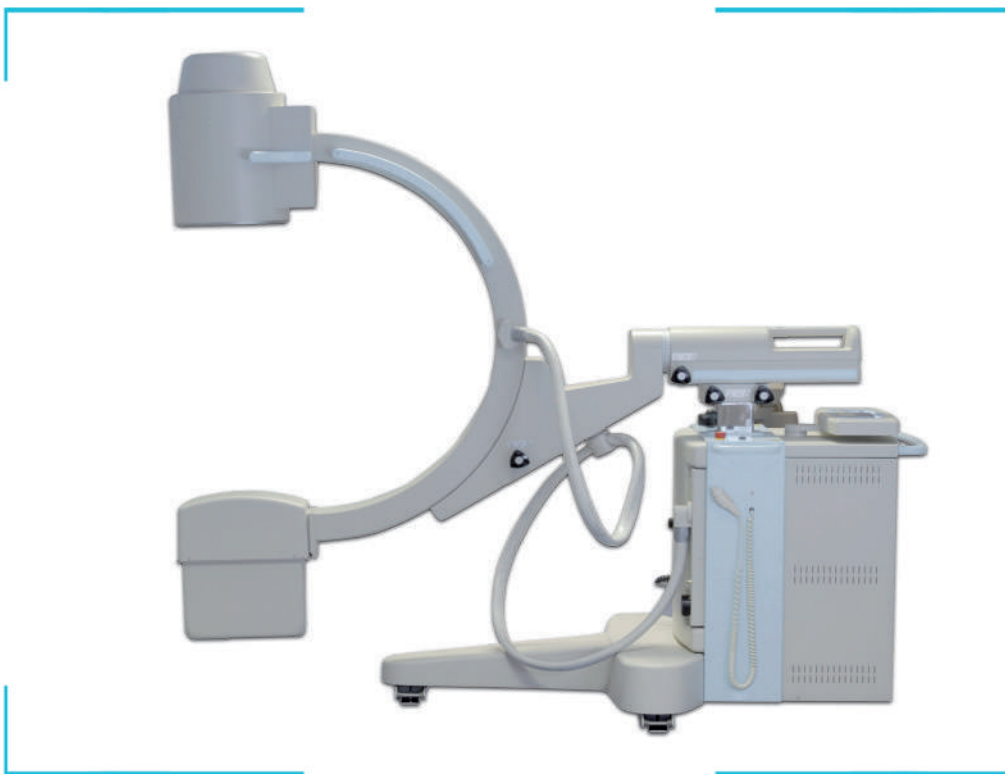
The system is characterized by FREEVIEW technology; move freely throughout the hospital will be even easier thanks to the version with collapsible column that allows you to have a complete view of the surrounding environment in order to overcome the obstacles without difficulties, especially in critical areas that have a lot of equipment such as intensive care. This new design allows to have complete visibility even when the operator uses the device dedicated to the handling placed on the monobloc useful to adjust the position of the X-ray source to patient bed through motorized millimetric movements.

HIGHLIGHTS

- Battery-motorized unit for easy maneuvering and bedside positioning
- Freeview technology thanks to telescopic column
- Battery powered X-ray exposures
- Two different versions: analogue and digital
- X-ray Housing
- Compact design
- Telescopic arm
- Swiveling column
- Integrated generator
- Anatomical programs
- 19" touch screen user interface
- Full DICOM connectivity+WLAN
- Interfaceable with multiple detectors and imaging software

The TCA6

The TCA6 is a highly optimized Mobile Fluoroscopic System for surgery. The optimization that has been obtained through an intensive Research and Development effort, is the pursuit of the best compromise within the peculiar features of such an instrument: dimensions, weight, balancing, ease of manoeuvre, X-ray features, image quality, safety.



The large achievable distance of the SID axis from the unit's stand, the noticeable motorised column elevation, reaching 500 millimetres, the wide C-arm's insertion and span spaces, the ergonomic +/- 60° rotating keyboard, enable the best operational flexibility and satisfy the need of the user in the operating theatre.

Moreover the "Compact" Version, without the monitor trolley, but with the LCD monitor mounted on the "C", allows further reduction of the volumes in the cones of the sterile area.

Radiology PACS



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PersianGulf PACS

User Oriented Medical Imaging Solutions



Our PersianGulf PACS is a powerful PACS and reporting solution. It enables any healthcare practice to efficiently perform diagnostic imaging, while providing end users with access to the system anytime, anywhere.

Easy To Use, Easy To Access

With PersianGulf PACS, patient studies can be viewed from any computer at any of your hospital or from a referring doctor's office. PersianGulf PACS also allows the radiologists to read studies at any of your hospital, so it makes radiology workflow much more efficient and greatly reducing turn-around time for report dictation. PersianGulf PACS is radiology workflow, improved.

A Powerful, Yet Cost-Effective PACS

Raouf soft's web-based technology is one of the most competitive, reliable, and scalable imaging solutions on the market today. With proven architecture and productivity-enhancing technologies, our PersianGulf PACS provide an unbeatable value.

fast search & fast display

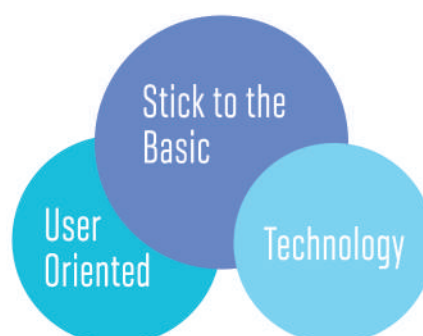
fast search of study and report
fast loading and fast display images

Easy & convenient

familiar user interface
minimal user input

No crash & no hang

stability without system trouble
fast response to user input





MOBILE C-ARMS

RAOUF Medical Group

Radius XP Range

Mobile C-arms (30 kW)



**AVAILABLE ALSO
WITH IMAGE**

INTENSIFIER: 9" OR 13"

DISPONIBILE ANCHE NELLA
VERSIONE CON INTENSIFICATORE
DI BRILLANZA DA 9" O 13"

HIGHLIGHTS

- 30 kW H.V. Generator
- Digital Memories:
 - 1kx1k, with acquisition up to 30 frames/sec (for the I.I. version)
 - 1,5k x 1,5k, with acquisition up to 25 fps (for the FP version)
- Dual cooling system for immediate and effective heat removal
- DUAL POWER System: Power reserve system
- E-MOTION System: C-arm movements, fully motorized (OPTIONAL)

DISPLAY STATION

The monitor trolley is equipped with a 32" High Resolution main monitor for work and memory images displaying and a dedicated 21,5" Touch Screen monitor for the operator. The operator can work outside the sterile field thanks to the monitors' rotation.

DISPLAYS

5MP		6MP		12MP
MDCG-5221	MDNC-6121	MDCG-5221	MDCC-6430	MDMC-12133
				
Nio 5MP	Nio Color 5MP	Coronis 5MP	Coronis Fusion 6MP	Coronis Uniti
5 years	5 years	5 years	5 years	5 years
422.4 mm x 337.9 mm (16.5 x 13.3")	433 x 325 mm (17 x 12.8")	422.4 mm x 337.9 mm (16.5 x 13.3")	654 x 409 mm (25.8 x 16.1")	708.1 x 472.1 mm (27.8 x 18.6")
a-si TFT active matrix dual domain IPS	a-si TFT active matrix dual domain IPS	a-si TFT active matrix dual domain IPS	IPS-TFT color LCD	IPS
540 mm (21.3")	540 mm (21.3")	540 mm (21.3")	772 mm (30.4")	853.44 mm (33.6")
5:4	3:4	5:4	16:10	3.2
5MP (2560 x 2048)	5.8MP (2100 x 2800)	5MP (2560 x 2048)	Native 6MP (3280 x 2048) Configurable to 2 x 3MP+ (1640 X 2048) Configurable to 2 x 3MP (1536 X 2048)	4200 x 2800
1020 cd/m ² (500 cd/m ²)	1000 cd/m ² (500 cd/m ²)	1200 cd/m ² (600 cd/m ²)	1050 cd/m ² (600 cd/m ²)	2100 cd/m ² (1000 cd/m ²)
1200:1	1400:1	1200:1	1500:1	1200:1
Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover
Integrated front-ofscreen sensor, BLOS, ALC	Integrated front-of-screen sensor, BLOS, ALC	Integrated I-Guard front-of-screen photometer sensor, ALC	Integrated I-Guard front-of-screen photometer sensor, Intelligent MultiSensor Technology, ALC	Integrated color I-Guard front-of-screen photometer sensor, Intelligent Multi-Sensor Technology, ALC
ULT, MXRT, Intuitive Workflow Tools	ULT, MXRT, Intuitive Workflow Tools, Steady Color, SteadyGray	PPU, Smooth Gray, DuraLight, I-Luminate, MXRT, Intuitive Workflow Tools	Color PPU, SmoothGray, MXRT, Intuitive Workflow Tools with optional touchpad	SteadyColor, Color PPU I-Luminate, RapidFrame, SmoothGray. Duralight Clear/ BlueBase. SoftGlow, Filmclip. MXRT, Intuitive Workflow Tools with Touchpad
DVI-D Dual Link, DisplayPort	DVI-D Dual Link, Display Port	DVI-D Dual Link, DisplayPort	DVI-D Dual Link DisplayPort	DP 1.2
FDA (510)k: Digital Radiography & Mammography Class II EC: Diagnostic or therapeutical radiology, Class IIb	FDA (510)k: Digital Radiography & Mammography Class II, including breast tomosynthesis EC: Diagnostic or therapeutical radiology, Class IIb	FDA (510)k: Digital Radiography & Mammography Class II EC: Diagnostic or therapeutical radiology, Class IIb	FDA (510)k: Digital Radiography Class II EC: Diagnostic or therapeutical radiology, Class IIb	FDA (510)k: Digital Radiography multi-modality breast imaging, incl. breast tomosynthesis, 3D mammography, breast MRI. breast ultrasound, CT and ultrasound, including vascular and gynecological ultrasound Class II EC: Diagnostic or therapeutical radiology, Class IIb
Nio display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year allinclusive warranty, Medical QAWeb Agent	Nio display system, MXRT graphics controller, - Intuitive Workflow toolset, 5-year all-inclusive warranty, Medical QAWeb Agent	Coronis diagnostic display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, Medical QAWeb Agent	Coronis Fusion diagnostic display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year allinclusive warranty, Medical QAWeb Agent	Coronis Uniti diagnostic display system, MXRT graphics controller, Intuitive Workflow toolset, SoftGlow keyboard and wall light, Touchpad and film clip
Additional MXRT graphics controller options, Medical QAWeb Premium, Core+ Warranty	Additional MXRT graphics controller options, Medical QAWeb Premium, Core+ Warranty	Additional MXRT graphics controller options, Medical QAWeb Premium, Core+ Warranty	Additional MXRT graphics controller options, Medical QAWeb Premium, Core+ Warranty	Core+ warranty Medical QAWeb Premium

2MP

3MP

4MP

MDNC-2221

MDNC-3421

MDCG-3221

MDCC-4330



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SPECIFICATIONS

Warranty

5 years

5 years

5 years

5 years

Active screen size (H x V)

432 x 324 mm (17.0 x 12.8")

433 x 325 mm (17.0 x 12.8")

325 mm x 433 mm (12.8" x 17.1")

654 x 409 mm (25.8 x 16.1")

Screen technology

TFT AM Color LCD IPS

TFT AM Color LCD IPS

UA-SFT (Ultra Advanced Super Fine Technology)

IPS-TFT color LCD

Diagonal size

540 mm (21.3")

540 mm (21.3")

540 mm (21.3")

772 mm (30.4")

Aspect ratio

4:3

4:3

4:3

16:10

Native resolution

2MP (1600 x 1200)

3MP (2048 x 1536)

3MP (2048 x 1536)

4MP (2560 x 1600)

Luminance (DICOM calibrated)

800 cd/m² (400 cd/m²)

900 cd/m² (500 cd/m²)

1700 cd/m² (600 cd/m²)

1050 cd/m² (600 cd/m²)

Contrast ratio

1400:1

1400:1

1400:1

1500:1

Screen protection

Factory fit protective, non-reflective glass cover

Factory fit protective, non-reflective glass cover

Factory fit protective, non-reflective glass cover

Factory fit protective, non-reflective glass cover

Sensor technology

Integrated front-of-screen sensor, BLOS, ALC presets

Integrated front-of-screen sensor, BLOS, ALC presets

Integrated I-Guard front-of-screen photometer sensor, Intelligent Multiensor Technology. ALC

Integrated I-Guard front-of-screen color sensor, Intelligent Multi-Sensor Technology. ALC

Diagnostic imaging technology

ULT, MXRT, Intuitive Workflow Tools

ULT, MXRT, Intuitive Workflow Tools

PPU, DuraLight, MXRT, Intuitive Workflow Tools

Color PPU, SmoothGray, MXRT, Intuitive Workflow Tools with optional touchpad

Video input signals

DVI-D Dual Link DisplayPort

DVI-D Dual Link, DisplayPort

DVI-D Dual Link DisplayPort

DVI-D Dual Link (2x). DisplayPort (2x)

Medical device regulations

FDA (510)k: Digital Radiography Class II EC: Diagnostic or therapeutical radiology, Class IIb

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FDA (510)k: Digital Radiography Class II EC: Diagnostic or therapeutical radiology, Class IIb

Package includes

Nio display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year allinclusive warranty, Medical QAWeb Agent

Nio display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year allinclusive warranty, Medical QAWeb Agent

Coronis diagnostic display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, Medical QAWeb Agent

Coronis Fusion diagnostic display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, Medical QAWeb Agent

Options

Additional MXRT graphics controller options, Medical QAWeb Premium, Core+ Warranty

Additional MXRT graphics controller options, Medical QAWeb Premium, Core+ Warranty

Additional MXRT graphics controller options, Medical QAWeb Premium, Core+ Warranty

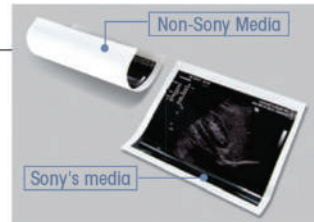
Additional MXRT graphics controller options, Medical QAWeb Premium, Core+ Warranty

چرا کاغذ سونوگرافی سونی؟

ویژگی های جدید کاغذ سونوگرافی سونی

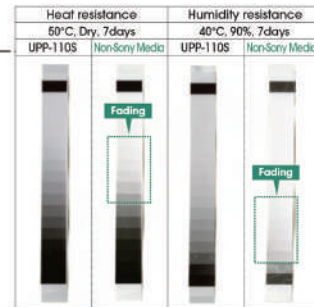
کمترین میزان جمع شوندگی لبه کاغذ

کاغذ سونوگرافی سونی به نحوی طراحی و تولید شده است، که لبه های آن، کمترین میزان ممکن جمع شوندگی را دارد تا بدین ترتیب به آسانی و راحتی درون دستگاه قرار گرفته و کارایی بالاتری داشته باشد. این ویژگی منحصر به فرد باعث گردیده تا بایگانی تصاویر چاپ شده بر روی این کاغذها آسانتر باشد.



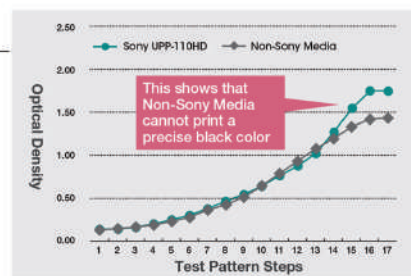
مقاومت بالا در برابر گرما و رطوبت

رطوبت زیاد باعث می شود تا تراکم چاپ به طور قابل ملاحظه ای کاهش یابد. کاغذ سونوگرافی سونی در مقایسه با کاغذهای ساخت سایر سازنده ها، به ویژه در رطوبت زیاد، کمتر دچار این نقیصه می باشد. شما می توانید با انتخاب کاغذ سونوگرافی سونی، از ماندگاری بالای تصاویر مطمئن باشید.



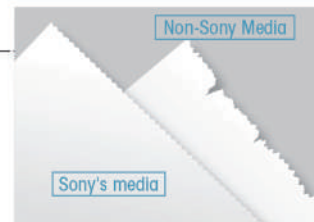
کیفیت چاپ عالی

با توجه به کنترل دقیق فشار اعمالی، لایه پوششی گرمایی منجر به تولید تصاویر رنگی با کیفیت بالا می شود. منحنی γ و D_{max} به منظور حصول اطمینان از تولید پیوسته تصاویر با کیفیت، یکدست و منسجم با دقت زیاد تنظیم شده اند.



مقاومت بالا در مقابل پارگی

در ماده اصلی کاغذ سونی، از یک لایه ویژه و انحصاری که با ویژگی های گرمایی پرینترهای سونی سازگار است استفاده شده است. این شرکت از فرآیند ویژه ای برای بهبود ویژگی های پوششی آن استفاده کرده و همین فرآیند، راز مقاومت بالای کاغذهای سونی در مقابل پارگی می باشد. این ویژگی منحصر به فرد از پارگی کاغذ در جهت حرکت پرینتر جلوگیری می کند و در عین حال منجر به قطع راحت کاغذ در جهت عمود بر آن می شود.





کاغذهای سونوگرافی سونی سری UPP-110

درخشندگی بالا | لایه درخشنده*

ساختار کاغذ گرمایی

لایه پوششی گرمایی

ماده اصلی (کاغذ سنتتیک)

لایه پوششی پشتی

* پوشش گلاسه:

درخشندگی و لایه رنگ روغن (گلاسه) تصاویر ویژه مدل UPP-110HG می باشد

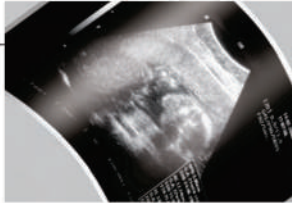
مقاومت بالا در مقابل آب

لایه رنگ روغن (gloss) بکار رفته در کاغذهای شرکت سونی، که در نتیجه تکنولوژی های انحصاری این شرکت بدست آمده است، موجب مقاومت بالای این کاغذها در مقابل آب شده و مدت زمان ماندگاری تصاویر را افزایش داده است. این لایه از کثیف و لکه دار شدن تصویر در هنگام لمس آن با انگشت یا پاشش آب جلوگیری کرده و موجب می شود تا کیفیت تصاویر برای مدت طولانی بدون تغییر باقی بماند.



تصاویر با کیفیت و براق (صیقلی)

لایه مقاوم رنگ روغن علاوه بر جلوگیری از لکه دار شدن تصویر و بالا بردن کیفیت چاپ، موجب درخشندگی و براقی تصویر چاپ شده نهایی می شود. این ویژگی تنها در مدل UPP-110HG وجود دارد.

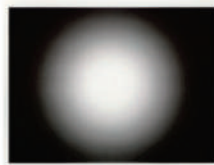


منطبق بودن لایه پوششی بالایی کاغذ با کلگی پرینتر

لایه پوششی بالایی کاغذ چاپ شرکت سونی، به نحوی طراحی شده است که به بهترین شکل با کلگی پرینترهای این شرکت منطبق بوده، و موجب چاپ پیوسته و بدون وقفه می شود.

نسخه برداری سیاه و سفید

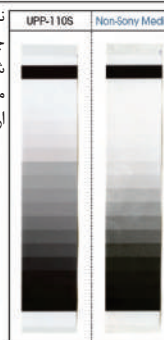
نسخه برداری سیاه و سفید دقیق به منظور دستیابی به طیف سیاه و سفید (سایه روشن) مناسب برای تصاویر چاپ شده، ضروری است. شرکت سونی به صورت همزمان پرینترهای ویدیویی و کاغذهای چاپ را به نحوی تولید می کند که مشخصه های مربوط به تصاویر سیاه و سفید آنها منطبق با یکدیگر باشند تا بهترین کیفیت ممکن را در فرآیند انتقال تصاویر ارائه دهند.



کاغذ چاپ ساخت سایر شرکت ها که دارای طیف سیاه و سفید محدودتری است.



کاغذ چاپ ساخت شرکت سونی که دارای طیف سیاه و سفید گرادابان و وسیعتری است.



لایه ضد الکترواستاتیک

کاغذ سونوگرافی سونی دارای یک لایه ضد الکترواستاتیک است که مانع افزایش انرژی الکتریسیته ساکن می شود. بدون وجود این لایه، انرژی الکتریسیته ساکن می تواند انباشته شده و به سطحی برسد که امکان وقوع جرقه وجود داشته باشد. جرقه می تواند بخش های الکترونیکی ضروری پرینتر، بویژه در کلگی گرمایی، را تخریب کند.



RAOUF
Medical Group

گروه پزشکی
راوف

دپارتمان گازهای طبی

- اکسیژن ساز
- هوای فشرده
- وکیوم
- آنالایزر

دپارتمان اتاق عمل

- لاپاروسکوپی
- آرتوروسکوپی
- گایناکولوژی
- اورولوژی
- ابزار آلات کم تهاجمی

دپارتمان قلب و عروق

- استنت دارویی
- بالون
- کاتتر مکش
- دریچه قلب
- گاید وایر
- اینفلیتور
- نیدل

دپارتمان تصویربرداری

- فلوروسکوپی دیجیتال
- رادیولوژی دیجیتال
- ماموگرافی دیجیتال
- سی آرم اتاق عمل
- رادیولوژی پرتابل
- سنجش تراکم استخوان
- پانورکس
- محصولات پزشکی سونی
- مانیتورهای بارکو
- نرم افزار PACS

دپارتمان تجهیزات و لوازم مصرفی پزشکی

- دیبابت
- بیپوشی
- کوتر
- سایر
- دستکش
- سوند
- آنژیوکت
- دیالیز

دپارتمان تجهیزات چهارگانه بیمارستانی

- آشپزخانه صنعتی
- آزمایشگاه
- قفسه بندی
- رختشوی خانه

دپارتمان کنترل عفونت

- امحاء زباله بیمارستانی
- اتوکلاو بیمارستانی
- خردکن بیمارستانی

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