

Portable High-frequency X-Ray Machine for Veterinary Use

Model: PX40V

Features:

- 1) Deft and concise
- 2) 6 periods of digital LED display
- 3) 48 kinds of presupposed anatomy memory pattern choices
- 4) Accuracy control method of simulation and double digital loop
- 5) High precision control of tube voltage, tube current
- 6) Failure self-protection, self-diagnosis

Optional:

- 1) Stand
- 2) Carrying Case
- 3) Flat Panel Detector (update to DR- digital x-ray)



DR(optional)

Specification:

| | |
|----------------------|--|
| Model | PX40V |
| Input power | Voltage: AC220V±22V, frequency: 50/60 Hz±1Hz; Power capacity: ≥5kVA; Inner resistance≤0.5Ω |
| Maximum output power | P =110kV×36mA=4kW |
| Nominal power | 100kV, 40mA, 0.1s, 4kW |
| Frequency | ≥40kHz |
| KV adjusting range | 40kV~110kV, step of continuous adjustment is 1kV |
| mA adjusting range | Toshiba 60mA(15mA~60mA) |
| mAs adjusting range | 1mAs-200mAs,shifted adjustment |
| S adjusting range | 0.04s~3.2s |
| X-ray tube | Focus:0.6/1.5mm Anode heating capacity:76kHU |
| Anatomy program | 48 kinds of memory choices |
| Size | 290×260×230 mm |
| Weight | 19kg |
| Accessories | Machine stand, carry suitcase |
| Machine frame | The highest size: 1060x790x2210mm The lowest size: 1060x790x1240mm Weight of machine frame: 25KG |

Portable Digital X-Ray Machine for Veterinary Use
Model: DR-40V



Specification:

| | |
|----------------------|---|
| Input power | Voltage: AC220V±22V Frequency: 50/60Hz±1Hz |
| Maximum output power | 4kW |
| Nominal power | 100kV, 40mA, 0.1s, 4kW |
| kV adjusting range | 40kV~110kV, Continuous adjustment step 1kV |
| mA adjusting range | 36mA~60mA |
| mAs adjusting range | 1mAs-190mAs, Shifted adjustment |
| s adjusting range | 0.04s~3.2s |
| X-ray tube | Brand: Toshiba Focus: 0.6/1.5mm; Anode heat capacity: 76kHU |
| Flat panel detector | iRay 17*17 inch |
| Laptop computer | Brand: Lenovo CPU: Intel Core i5 Memory capacity: 4GB Screen size: 14 inch |
| Anatomy program | 48 kinds of memory choices |
| X-ray machine size | 290×260×230mm |
| Weight | 100kg |
| Standard accessory | Hand switch, remote control, carrying case, trolley. |

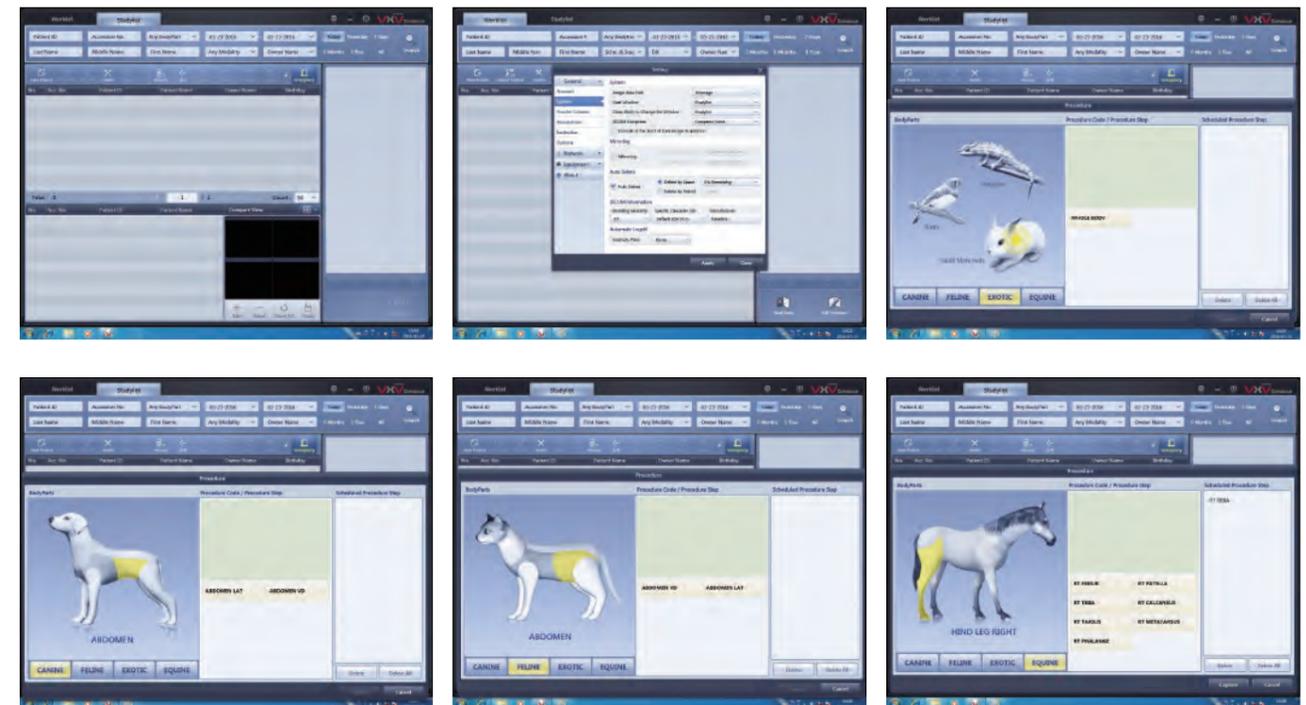
Contents:

| Main components | Name of components | Model/specification | Quantity |
|-----------------|--------------------------------------|---------------------|----------|
| DR system | Portable x-ray machine | DR-40V | 1 set |
| | Digital detector | iRay (17x17 inches) | 1 set |
| | Laptop computer | Lenovo | 1 set |
| | DR image processing software for pet | | 1 set |
| Accessory | Trolley | F1 | 1 set |
| | Carrying case | | 1 set |

Application:

DR-40V portable digital X-ray machine is designed to produce super quality digital images for all large animals like equine, companion animals like dogs or cats, exotic and mixed animals, etc.

Veterinary Software Performance:



Trolley

Carrying case

50mA High Frequency Mobile X-ray Machine

Model: MX101

Features:

- 1) Using ergonomic design, the structure is of compact appearance, convenient operation
- 2) With high frequency inverter to emit high quality X-ray and low dose on skin, and ensure excellent definition and contrast of pictures
- 3) With techniques of KV analog closed loop control, mAs digital closed loop control and micro-processing real-time control to ensure precision and repeatability of the dose
- 4) With kv, mAs two button adjustment, LCD display, multifunction of safety guard
- 5) With 50 preset exposure programs, and can be modified and stored by the user for convenient operation
- 6) With a high-quality knockdown X-ray generator to reduce irradiation, it is much safer to environment and operators.
- 7) With a symmetrical beam applicator to adjust the X-ray field, and a collimator lamp to locate the field, so that accurate radiograph can be ensured.
- 8) Manual control and remote control are used to expose. Wireless remote exposure control can penetrate barriers, which makes operation more convenient



Specifications:

Power Output: 2.5KW
 Main Inverter frequency: 50KHz
 X-ray Tube: fixed anode focus: 1.5 (X-ray tube for high frequency)
 Tube Voltage: 40~100KV (interval 1KV)
 Tube Current: 25mA~50mA
 mAs: 1.0~160mAs (45steps)
 Power Supply: 220V/50Hz, or 110V/60Hz Inner-resistance $\leq 1.0\Omega$
 Operation Method: Wire/wireless control

Application:

MX101 is combined high-frequency X-ray photography diagnostic equipment, which is used in radiology, orthopedics, wards, emergency rooms, operating rooms, and ICU, etc. It is mobile X-ray which can make radiography on animal body, such as head, limbs, chest and spine.

63mA High Frequency Mobile X-ray Machine

Model: MX101A

Features:

- 1) With compact appearance, flexible movement
- 2) With high frequency inverter to emit high quality X-ray and low dose on skin, and ensure excellent definition and contrast of pictures
- 3) With techniques of KV analog closed loop control, mAs digital closed loop control and micro-processing real-time control to ensure precision and repeatability of the dose
- 4) With kv, mAs two button adjustment, LCD display, multifunction of safety guard
- 5) With 50 preset exposure programs, and can be modified and stored by the user for convenient operation
- 6) With a high-quality knockdown X-ray generator to reduce irradiation, it is much safer to environment and operator
- 7) With fault automatic protection setting and fault alarming display
- 8) The system can keep parameters automatic, in case losing data
- 9) With a rotating beam limiting device to adjust the X-ray field and angle, so it can ensure accurate radiography results
- 10) With dual safety locking functions in rocker, so it's safe to use
- 11) With cassette storage box, it's convenient for medical staff
- 12) Manual control and remote control are used to expose. Wireless remote exposure control can penetrate barriers, which makes operation more convenient.



Specifications:

Power Output: 3.5KW
 Main Inverter frequency: 50KHz
 X-ray Tube: fixed anode focus: 1.5 (X-ray tube for high frequency)
 Tube Voltage: 40kV~110KV (interval 1KV)
 Tube Current: 20mA~63mA
 mAs: 1.0~125mAs (43steps)
 Power Supply: 220V/50Hz, or 110V/60Hz Inner-resistance $\leq 1.0\Omega$
 Operation Method: Wire/wireless control

Application:

MX101A is combined high-frequency X-ray photography diagnostic equipment, which is used in radiology, orthopedics, wards, emergency rooms, operating rooms, and ICU, etc. It is mobile X-ray which can make radiography on animal body, such as head, limbs, chest and spine.

100mA High Frequency Mobile X-ray Machine

Model: MX101C

Features:

- 1) With compact appearance, flexible movement
- 2) With high frequency inverter to emit high quality X-ray and low dose on skin, and ensure excellent definition and contrast of pictures
- 3) With techniques of KV analog closed loop control, mAs digital closed loop control and micro-processing real-time control to ensure precision and repeatability of the dose
- 4) With kV, mAs two button adjustment, LCD display, multifunction of safety guard
- 5) With 50 preset exposure programs, and can be modified and stored by the user for convenient operation
- 6) With a high-quality knockdown X-ray generator to reduce irradiation, it is much safer to environment and operator
- 7) With fault automatic protection setting and fault alarming display
- 8) The system can keep parameters automatic, in case losing data
- 9) With a rotating beam limiting device to adjust the X-ray field and angle, so it can ensure accurate radiography results
- 10) With high kV function, it has wide using range and good effect of photography
- 11) Manual control and remote control are used to expose. Wireless remote exposure control can penetrate barriers, which makes operation more convenient.



Specifications:

Power Output: 5KW
 Main Inverter frequency: 50KHz
 X-ray Tube: fixed anode focus: 1.5 (X-ray tube for high frequency)
 Tube Voltage: 40kV~120KV (interval 1KV)
 Tube Current: 25mA~100mA
 mAs: 1.0~180mAs (46 steps)
 Power Supply: 220V/50Hz, or 110V/60Hz Inner-resistance $\leq 1.0\Omega$
 Operation Method: Wire/wireless control

Application:

MX101C is combined high-frequency X-ray photography diagnostic equipment, which is used in radiology, orthopedics, wards, emergency rooms, operating rooms, and ICU, etc. It is mobile X-ray which can make radiography on animal body, such as head, limbs, chest and spine.

50mA Mobile X-ray

Model: MX102

Features:

- 1) Using ergonomic design, the structure is of compact appearance, convenient operation.
- 2) It adopts high pressure-resistant electrical tube with enough kV and mA, so the definition and contrast of the machine are good.
- 3) With combined X-ray generator, the tube and rocker can move up and down freely. So the patient can take photography in a wider range of direction.
- 4) Because of symmetrical adjustable beam limiting device with light source, the x-ray beam can be adjusted according to demands.
- 5) X-ray generator is matched with protective stereotype inside, and 10 meters wireless remote control exposure is adopted, so it causes less hurt to the operators and environment.
- 6) The current has three gears (15mA, 30mA, 50mA), different current can be selected according to different photography requirements, thus using range of machine is wider.
- 7) Anti-electric shock, anti scattering and full-wave rectifier
- 8) The electric performance is stable and reliable. Multi-protections are adopted to prevent over-voltage, over-current and output overload etc., so it's safer.
- 9) Telescopic vertical rotating angle is larger than 60°.



Specifications:

| | |
|---------------------------------|---|
| Output power | 3KW |
| X-ray tube | Fixed anode Max height: $\geq 1750\text{mm}$, Min height: $\leq 500\text{mm}$ Rotate around horizontal axis 180° Rotate around vertical axis $\pm 90^\circ$ |
| Rectifier method | Full-wave rectifier |
| Tube voltage | 40~90kV 9 steps |
| Tube current & Photography time | 50~90kV 15mA 0.1~6.3s 50~90kV 30mA 0.1~6.3s 40~80kV 50mA 0.1~1.5s |
| Power supply | 220V /50Hz or 110V/60Hz, Inner resistance $\leq 1.0\Omega$ |
| Operation methods | Wire control/wireless control (10m) |

Application:

This mobile X-ray radiography medical diagnostic equipment can be used in wards, operation rooms and emergency rooms etc., and it can satisfy the radiography requirements of animal body such as head, chest and limbs.

200mA High Frequency X-ray

Model: HX200

Features:

- 1) It is installed with close-table graphical colorful LCD touch screen and wireless remote control exposure, which makes the operator easy to use.
- 2) We incorporate the latest compact high-frequency and high-voltage X-ray generator, which ensure superior image quality, while the skin dose is low, to protect the patient better.
- 3) Adopt the technology of kV and mAs numeral closed loop control, real-time control of the microprocessor, which ensures the accuracy and repeatability of the output dose.
- 4) Be equipped with radiography parameter of multi-part, multi-posture, multi-body, adult-child physical characteristic, the operator can modify and save the parameter by himself, which makes the operation more conveniently.
- 5) First high power combined high frequency high voltage X-ray source and high frequency inverter power supply, which can reduce energy loss from outside HV generator and cable. It makes good quality X-ray, beautiful appearance and convenience.
- 6) Possess multiple automatic protection and fault clue function, which makes the operation safer and more reliable.
- 7) The radiography table can float in any direction, electromagnetic braking, position the patient more convenience and accuracy.
- 8) X-ray generator component can move round the axis of X-ray generator, cross arm and Pillar stand, be convenient with side and slanting direction projection and radiography of patient on the stretcher.
- 9) Be equipped with the chest stand, which is used in the radiography of the head, chest, belly, pelvic cavity, backbone and periphery.
- 10) Control console of graphic program controlled LCD touch screen is optional, which can set the radiography parameter and exposure in another room.



Specifications:

Output power:15kW
 Main inverter frequency:40kHz
 X-ray tube:Rotary anode, dual-focus, large focus: 0.6mm, small focus: 0.3mm, Anode thermal capacity: 212kJ (300kHu) Tube thermal capacity: 900kJ (1200kHu)
 Rotary anode speed:3000rpm
 Tube current:200mA
 Tube voltage:40kV-125kV
 mAs:0.4-360mAs
 Table radiography grids:Grid density:103L/INCH; Grid ratio:10:1; Focusing distance:120cm; Stationary type:15"×18"
 Chest stand radiography grids:Grid density:103L/INCH; Grid ratio:10:1; Focusing distance:150cm; Stationary type:18"×18"
 Power supply:220V 50Hz, Capacity: ≥20kVA
 Operation method:close-table graphic program controlled LCD touchable screen operation; wireless remote control exposure

Structural Performance:

Table size:2000×760mm
 Table height:≤700mm
 Table transverse movement:≥210mm
 Table longitudinal movement:≥650mm
 Grids cassette holder movement:≥560mm
 X-ray tube assembly center rotation:≥±90°
 Rotation of the pillar:4×90°
 Axial rotation:0-35°
 SID:450-1200mm
 Pillar movement along the table:≥1370mm
 Limited time of analog light beam opening:About 30s
 Film size:5"×7"-14"×17"(Table radiography)
 Film size:5"×7"-17"×17"(Chest stand radiography)
 Chest stand up and down movemet:472~1470mm

Veterinary Digital X-Ray System

Model: DR-60A(V), DR-60B(V)

Features:

- DR-60A(V) Portable DR
- 1) 5.6kW high power generator, meets thick position demand.
 - 2) Large capacity lithium battery ensures long standby and multiple exposure.
 - 3) Touch screen interface with APR setting, makes more easily operation.
 - 4) Wireless flat panel detector and computer workstation, makes freely position.
 - 5) Integrated suitcase package is easy to transport and carry.

DR-60B(V) Integrated DR

- 1) Integrated design, high power, small size.
- 2) AC&DC power supply, meets multi-application scenes of radiography.
- 3) Touch screen operation makes visual more intuitive.
- 4) Lithium battery, fast charging, high efficiency, light weight (optional)

Specifications:

| Main Component | Specification | |
|---------------------|----------------------|--------------------------------------|
| Flat Panel Detector | X-ray Sensitive Area | 14x17 inch |
| Generator | Standard Power | 5.6kW |
| | kV Range | 10-125kV |
| | mA Range | 10~100mA |
| | mAs Range | 0.1~200mAs |
| X-ray Tube | Anode Heat Content | 42kHu |
| Collimator | Tube Tilting Angle | 1mm Al/70Kv |
| Touch Screen | Dimension | 8-inch |
| Main Unit | Weight | 18kg |
| | Dimension | 44x24x23.6cm (LxWxH) |
| Trolley | Maximum Expansion | 90x75x202cm (LxWxH) |
| | Fold Dimension | 105x40x40cm (LxWxH) |
| Trolley Case | Dimension | 106x50x50cm (LxWxH) |
| Battery | | Rechargeable lithium battery |
| X-Ray Table | Table Surface | 121x61cm (LxW) |
| | Table Movement Range | Horizontal: 20cm, Longitudinal: 10cm |
| | Dimension | 120x87.5x200cm (LxWxH) |

Configurations:

DR-60A(V)
 5.6KW generator, 8-inch touch screen, 14x17 inch wireless FPD detector, Collimator, Operating software, Laptop computer, Trolley, Remote control & hand switch control exposure, Carrying case, Built-in Li-battery.

DR-60B(V)

5.6KW generator, 8-inch touch screen, Toshiba 17x17 inch wired FPD detector (Japan), Collimator, Operating software, Tabletop computer, Remote control & hand switch control exposure, Radiography table.



Veterinary Digital X-Ray System

Model: DR-400

Features:

- DR-400 400mA, 32kW
- 1) Soft touch user panel.
- 2) Digital display of kV, mAs and time.
- 3) High frequency inverter type generator.
- 4) Overload protection for kV, mA, Time and Temp.
- 5) Self-manageable APR function with memory keys

Configurations:

DR-400 400mA, 32kW
 400mA, 32kW generator, LCD touch-screen Console, Collimator, X-ray tube, Animal table, JPI grid, Flat panel detector, Imaging workstation computer and LCD monitor



Specifications:

| Main Component | Specification | |
|-----------------------------|--|--|
| Generator | Maximum output power | 32kW |
| | Range of tube current | 32~400mA |
| | mAs range | 0.32~400mAs |
| | Tube voltage range of radiography | 40kv~125kv |
| | Loading time | 10~5000ms |
| X-ray Tube | Input voltage range | AC 220V±22V |
| | Small focus | 1.0mm |
| | Large focus | 2.0mm |
| Bed | Anode speed | 2800r/min |
| | Size | 140cmx70cmx85cm (LxWxH) |
| JPI Grid | Size | 18"x18" |
| | Grid ratio | 10:1 |
| | Grid density | 40 L/cm |
| | Focusing distance | 150cm |
| Flat Panel Detector | Material | CSI |
| | Scanning Area | 17*17 inch |
| | A/D Conversion | 16 Bit |
| | Total Pixel matrix | 3,328(h)x3,328(v) (11million pixels) |
| | Pixel Size | 127µm |
| Workstation and LCD Monitor | Image Preview Time | Not more than 2s |
| | CPU | ≥2.8GHz |
| | Memory | 4GB |
| | Disk Capacity | 500GB |
| | Medical LCD | 19"LCD |
| | Function | Image acquisition, image zoom, image brightness adjustment, image contrast adjustment, image rotation, image rollovers |
| | Output | 100M network interface, Dicom 3.0 image transmission, query, editing and print, etc |
| Management | DR system to manage pets and image information | |

High frequency Mobile C-arm System

Model: CX112B

Features:

- 1) With unique base electric auxiliary support arm design, so it's safer.
- 2) A unique hand-held controller design, which can control parameter set, equipment movement and radiation field, so the operation is more convenient
- 3) With high-quality Combination high frequency high-voltage X-ray generator, it can greatly reduce the amount of X-ray irradiation.
- 4) With a perspective KV, MA automatic tracking feature, so that the image brightness, sharpness automatically in the best condition
- 5) Adopting imported image intensifier, the quality is stable and reliable, and the image is of good clarity.
- 6) With medical progressive output high-resolution television system, it can store 8 images, the image is clearer, and easier to use



Specifications:

| Category | Items | Content |
|---------------------------|---------------------------------------|---|
| Electrical performance | High frequency inverter power supply | Power: 5.0kW Main inverter frequency: 40kHz |
| | Perspective max rated capacity | Tube current: 30mA Tube voltage: 120kv |
| | Automatic fluoroscopy | Tube voltage: 40kv~120kv, adjust automatically Tube current: 0.3mA~4mA, adjust automatically |
| | Manual fluoroscopy | Tube voltage: 40 kv~120kv, continuous Tube current: 0.3mA~4mA, continuous |
| | Pulse fluoroscopy | Tube voltage: 40 kv~120kv, continuous Tube current: 0.3mA~30mA, continuous |
| | Photography tube voltage, mA | 40KV~120KV, 25mA~100mA |
| | Plate holder size | 200mmx250mm(8"x10") or 250mmx300mm(10"x12") |
| X-ray tube | X-ray tube special for high frequency | Fluoroscopy focus:0.3 /1.5 thermal capacity: 500kJ (666kHu) |
| Imaging system | Image intensifier | Imported 9 inch image intensifier |
| | CCD photography | Imported medical ultra-low illumination CCD radiography |
| | Monitor | Center definition is 1000 lines and frequency for picture refresh is 75Hz. |
| Structure and performance | CCU (central control) | HD progressive output, continuous adjustable recursion, many images storage, upright image, horizontal image, positive & negative image, image patching, LIH(last image freeze), OSD (monitor display). |
| | Direction wheel and main wheel | Direction wheel can rotate in any direction, and main wheel can rotate in ±90°. |
| Structure and performance | C-arm | The up and down electrical stroke of pillar is 400mm. Forward and backward movement:200mm; Revolution around horizontal axis : ±180°; Revolution around vertical axis: ±15°, distance from focus to screen: 960 mm; C-arm open distance: 760mm C-arm arc depth: 640mm; Slipping on orbit : 120°(+90°~-30°) |

Application:

Orthopedics: restore bone translocation, reset, fixing
 Surgery: taking foreign bodies out of the body, cardiac catheterization, implantable pacemakers, interventional treatment, some of angiography and local photography etc.

X-ray Film Processor

Model: FP-14, FP-14A, FP-17, FP-17A



Features:

- 1) Widely applicability
Medical diagnosis: suitable for rinsing various models of the X-ray, CT, MRI and so on;
Experiment fields: developing various specifications films.
- 2) Microcomputer control system:
Knob control panel, accurately control temperature and speed of the machine.
LCD control panel, entire Chinese menu, large LCD screen clearly indicates the data of rinsing, and detect faults automatically.
- 3) Unique design for channel
Detailed operations: developing fixing rinsing and drying.
Prevent the soup to be cross contamination, improve the cyclic utilization of the soup effectively.
- 4) Anti-oxidation and anti-crystallization configuration
Prevent the liquid from oxidation effectively, so as to get high-definition images.
- 5) High-density roller packed together
Guarantee transporting the film safely and easy to clean.
- 6) Non-contact guiding film transporting system
Prevent slur and scratch happen on the film.
- 7) High-efficiency air drying system
Knob switch and LCD control panel can adjust temperature according to your own requirements. Even flash drying, you can also get high-definition images.
- 8) High speed on rinsing
In theory, the film processor can develop 220 sheets per hour ,it can meet your requirements.
- 9) High standard and high economic
Control the temperature accurately, the temperature error is lower than 0.3degree, reduce water and electricity consumption.
- 10) Convenient and practical appearance design
Detachable side panel: easy to debug and maintain the machine.

Specifications:

| Model | FP-14 | FP-14A | FP-17 | FP-17A |
|-----------------|--|---|--|---|
| Rinse Width | Min.4**4" Max.14**17" | Min.4**4" Max.14**17" | Min.3**6" Max.14**17" | Min.4**4" Max.14**17" |
| Process time | 105/135/165 secs whole 25/35/45secs Dev. time | 90-250 secs whole 20-60 secs Dev. time | 105/135/165 sec whole 25/35/45sec Dev. time | 90-250 secs whole 20-60 secs Dev. time |
| Dev. Capacity | 80 films/h (14**17"); 145 films/h (10**12") | 105 films/h (14**17"); 165 films/h (10**12") | 90 films/h (14**17"); 145 films/h (10**12") | 115 films/h (14**17"); 165 films/h (10**12") |
| Dev. temp. | 28-37 °C(±0.3°C) | 20 -40°C(±0.3°C) | Adjustable 28-37 °C(±0.3°C) | Adjustable 20-40 °C(±0.3°C) |
| Dryer temp. | 40-65 °C | 40-65 °C | 40-65 °C | 40-65 °C |
| Channel Volume | 5.2 litres | 5.2 litres | 8.2 litres | 8.2 litres |
| Washing Control | Water 2~8L/min when rinsh | Water 2~8L/min when rinsh | Water 2~8L/min when rinsh | Water 2~8L/min when rinsh |
| Replenishment | Auto. /manual 20~200ml/for 0.5s. Q. M | Auto. /manual 20~200ml/for 0.5s. Q. M | Auto. /manual 20~200ml/for 0.5s. Q. M | Auto. /manual 20~200ml/for 0.5s. Q. M |
| Power Supply | 220V/50Hz, 110V/60Hz | 220V/50Hz, 110V/60Hz | 220V/50Hz, 110V/60Hz | 220V/50Hz,110V/60Hz |
| Packing Size | 1110*750*720mm; G.W:100KG | 1110*750*720mm; G.W:100KG | 1110*810*720mm; G.W:110KG | 1110*810*720mm; G.W:110KG |

Protective Mask

Model: PD11



Protective Mask

Model: PD11-2



Protective Mask

Model: PD12



Veterinary Lead Gloves

Model: PA13



Lead Rubber Jacket
Model: PC01



Lead Rubber Jacket
Model: PA01



Lead Apron Set
Model: PC06-PA06



Lead Coat Apron
Model: PC03-PA03



Lead Vest
Model: PA04



Lead Vest
Model: PC04



Lead Vest Apron
Model: PC05-PA05



Lead Apron
Model: PC07-PA07

