

MFP14-A

Professional manufacturer, best quality with competitive price ●
Recommended by the world UT NDT inspection association for training and examination ●
Core technology with independent intellectual property rights, certificate of CE, GOST and etc.. ●

X-Ray Industrial Film Processor



Product Overview

MFP14-A fully automatic film processor is the new generation product of Mitech co.,Ltd. With Super digital display board, the microcomputer control system and dense array type roller group, can transfer various size film. The countdown monitoring function can finish the circulation in one minute and enter the standby mode automatically, makes the film process fluently. Timing operation can reduce the roller surface crystallization, make circulation system process effectively. Gap bridge direction can be adjusted to avoid film stuck. Processing liquid can automatically cycle and replenish to keep the liquids fresh. Professional prototype drying air duct system, makes both sides of the film with no water print. It is widely used for monitoring various pipelines and pressure vessels in the fields of petroleum, chemical, metallurgy, shipbuilding, aviation, aerospace and so on.

Technical Specifications

Technical Specifications	Technical Parameters
Film Size	Min.60mm, Max.435mm
Film Speed	6~14min (Interval is adjustable in a minute)
Film Qty	8~18 piece per hour (356×432mm) ,30~72 piece per hour (80×300mm)
Linear Speed	65~145mm/min
Developer Tank Volume	5.2L
Fixer Tank Volume	5.2L
Washer Tank Volume	5.2L
Developer Temperature	20~40°C(adjustable)
Fixer Temperature	20~40°C (adjusted to developer temperature)
Washer Temperature	5~25°C
Dryer Temperature	20~70°C(adjustable)
Water Consumption	2L/min during processing
Replenishment	Automatic/Manually50-500ml/m ³
Power Source	220v 8.8A 50Hz
Weight	40kg (Empty),55kg (Filled)
Dimension	800mm×580mm×420mm

Features

- MFP14-A processor is a full-automatic processor. The film can be processed fast and efficient by developed, fixed, washed and dried four steps.
- Dense array type roller group, to transfer various size film.
- Timing operation can reduce the roller surface crystallization, make circulation system run well.
- Gap bridge direction can be adjusted to avoid film stuck.
- The roller group structure interval distance is adjustable, avoid creasing phenomenon of different base film.
- Professional prototype drying air duct system, makes both sides of the film well dried and avoid water print.
- Microcomputer program control, with stable and reliable performance, wider adjustment range.
- Super digital display board, easy to check all data by a click.
- The countdown monitoring function, can finish the circulation in one minute and enter the standby mode automatically, makes the film process fluently.
- Process film automatically and with standby program.
- Developer and dryer temperature are adjustable, to ensure film dried and brightly and improve the work efficiency.
- Heat exchange system adopts developer and fixer heating at the same time, guarantee the stability of temperature within the setting range.
- Processing liquid can automatically cycle and replenish, makes liquids fresh.
- Films Qty: 8-18 pieces per hour (356mm×432mm) , 30-72 pieces per hour (80mm×300mm) .
- Dimensions : 800mm×580mm×420mm.

Main Application

- Aerospace
- Military Railway
- Shipbuilding, Chemical
- Mining Inspection
- Pressure Vessel, Pipeline
- Oilfield Power Plant

Application Conditions

- Operation Temperature : +23°C~+30°C
- Storage Temperature : +28°C
- Relative Humidity : ≤70%
- The surrounding environment should avoid of vibration, strong magnetic field, corrosive medium and heavy dust.

Configurations

	NO.	Parts Name	Quantity	Remarks	
Main Body	1	Cover	1		
	2	Operation Manual	1		
	3	Power Cable	1		
	4	Water inlet pipe	1		
	5	Developer Drain Pipe	1	0.5m (with valve)	
	6	Fixer Drain Pipe	1	0.5m (with valve)	
	7	Washer Drain Pipe	1	0.5m (with valve)	
	8	Developer Replenishment Pipe	1	0.8m (with gas mouth)	
	9	Fixing Replenishment Pipe	1	0.8m(with gas month)	
	10	Developer Outlet Pipe	1	0.5m	
	11	Fixer Outlet Pipe	1	0.5m	
	12	Washer Outlet Pipe	1	2.0m	
	13	Bearing Block	10		
Optional	14	Securing Bracket	1		
	15	Gear T=32 Round Hole	1		
	16	Gear T=32 D-Hole	1		
	17	Tooth Gear T=20	1		
	18	Tooth Gear D-Hole T=16	2		
	19	Worm Wheel	1		
	20	Fuse S	2	10 A	
	Accessories	21	Hose Hoops	2	
		22	Long Flat Spring	10	
		23	Short Flat Spring	10	
24		Circlip	8		
25		Bearing Bush	4		
26		Screw M 4×10	4		
27		Nut M 4,Inox	4		
28		Locking Pin	2		
29		Check Valve	2		
30		Corrugated Pipe	1		