

Hot Water Fluorescent PT Unit HW-1

Newly developed PT system using special penetrant (Patent pending) and hot water for washing penetrant.



Features

Newly developed water based special penetrant

High sensitivity

Not applicable of Japanese Fire Prevention Law, PRTR and other environmental regulations

Less load of drainage treatment facility because of low COD

Compared with conventional PT Unit

one half of installed space

two times of inspection capacity

one half of drainage volume

Main Specification	
Workpiece to be inspected	Dimension : Max. W700 x D400 x H300 mm Wight : Max. 30 Kg
Detection process	Penetrating : Spraying Washing : Hot water Drying : Air blow Observation : Under UV light
Penetrant	Fluorescent penetrant EG-300
Electric power	AC 200/220 V ± 10%, 50/60 Hz, 3-phase
Air source	More than 0.4 MPa, 1.0 Nm ³ /min, connection 40A
Cooling Water	Industrial water Pressure : More than 0.1 MPa Connection : Supply 25A/Discharge 50A
Electric power consumption	Normal 50 KVA
Tact time	Approx. 2.5 min.

Main Equipment	
Penetrant spray & Air blow	L1630 x W1000 x H1800 mm
Rough washing Finishing washing Drying	L1070 x W1000 x H1800 mm (each bath)
Transfer conveyor	L5200 x W1700 x H1800 mm
Penetrant supply unit	L400 x W400 x H400 mm (volume approx. 50 L)

Circulating water supply unit	L1200 x W600 x H410 mm (volume approx. 220 L)
Washing water supply unit	L500 x W500 x H800 mm (volume approx. 180 L)
High pressure blower	11 KW, 200 V, 3-phase
Inspection room	W1600 x D1500 x H2700 mm with blackout curtain
UV light	Super-Light E-40-2

Detection Process

