

**CLARTECH Ultrasonic injector cleaning equipment for I. T. I.
Students Training (CL-UIC-01-03-85K)**



Performance Parameters	
Purpose	For Industrial Training Institute Students Training
Trade	MECHANIC MOTOR VEHICLE

Material & Dimensional Parameters	
Pulse width selection-	0-30 ms
Can test Rpm by different 7 steps,	auto mode & fix Rpm Mode test,
Should be able to do live pulse setting by pot sensor	
Pulse width should be able to changed live during injector checking cycle	
Supply Voltage	220V AC +/- 10% @50Hz
It should have S.S fabricated fuel Tank Capacity	up to-5 Litre,
Universal Adaptor kit	
It should have fuel level Indicator by means of led	
Can do Fuel Injector cleaning and testing in different 7 steps	
For electrical safety D.C. power supply for injector , pump and electronic circuit to be isolated	
System Fuel Pressure:	0-90 PSI , can be adjustable with regulator
Should have Function selector display 7 segment led display for longer life	
The machine with Ultrasonic bath	
Ultrasonic cleaning Tank Capacity	upto: 1 ltr
Power consumption :	35 w - 50 watts
Frequency :	40 – 60 ,(+/- 3 kHz)
Input Supply :	230 V AC

Inner and outer body of cleaning Tank should be made	SS 304
Digital timer and heater timer to be provided with machine.	
Ultrasonic unit should work individually on 230 VAC supply.	
Unit should be supplied with lid.	
Injectors mounting Stand	S.S -304
Live four-cylinder simulation adopted.	
All four injectors work individually like Engine cylinder firing pattern.	
Automatic Drain	
Short circuit protection for short circuit injectors by means of electronics circuit	
Fuel Pump electronics protection interlocked with Fuel level	
User Manual should be provided in English	

Test Performed	
Flow analysis test	
Spray pattern test	
Auto programming mode, leak test ultrasonic test timer	
accessories : ultrasonic cleaner	
Provide Audio visual CD Demonstrating all the operation of the Instrument	