

*AUTOMATIC
BARREL CLEANING SYSTEM
24V ELECTRICAL*



ARMLOG

Automatic Barrel Cleaning System

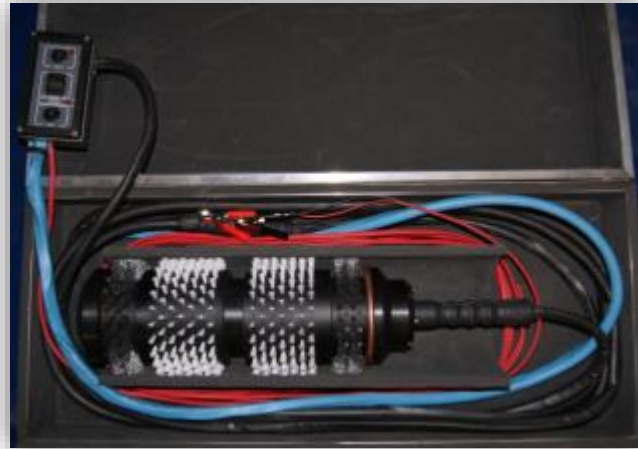
Introduction

The Barrel Cleaning System is designed and developed to meet the requirements of the weapon manufacturer, gun operator, maintenance and technical personnel.

The System is light and small with simplified operating controls and can be operated by one person and stored on a gun as part of the gun equipment, yet it is big and complex enough to clean any barrel.

The Barrel Cleaning Systems can be Supplied in a range from 76 to 155 mm.

The major advantages of this superior Barrel Cleaning System is that it is fact, effective and can be operated by one person.



The System is designed and developed to meet five requirements:



Cleaning System in operation

- Removal of firing deposits
- Applications of cleaning liquids
- Removal of inhibiting oil
- Application of preservation oil
- One man operation



System Operation

This electrical System is available in either 12v or 24v. The connection for the electrical cable can be custom made to interface with the connection on the gun or to connect to the battery pole.



A transformer can be supplied to allow 115v or 220v electrical operation.

Vibration impulses cause the system to move forward and backwards in the barrel. A complete cycle is done under 90 seconds, and the average cleaning time is 12 minutes.

Cleaning

Fluids are injected into the barrel behind the cleaning brush drenching the brush and barrel, allowing the cleaning fluid to penetrate the grime on the metal surface, undercutting firing residues, carbon deposits, rust, dirt and other contaminants.

After the barrel has been cleaned and dried the barrel cleaning system can be used to apply weapon oil, that not only offers a superb protection against rust and corrosion, but in fact prevents the tight adhesion of subsequent firing residues. These fluids will be injected in different time zones depending on the type of cleaning program.



Gun Barrel 066 after manual cleaning method was applied (24 Cycles)



Gun Barrel 066 after Automatic Cleaning System was applied (12 Cycles)

During meticulous barrel cleaning research the optimal cleaning time were established.

During operational deployment daily cleaning takes approximately 13 minutes and is used for daily cleaning.

After intense firing it takes approximately 19 minutes to clean the barrel

Specifications

Barrel diameter	76mm	90mm	105mm	152mm	155mm
Weight (with aluminium casing)	7.7 kg	9.2kg	10.5kg	15.7kg	15.8kg
Weight (with PVC bag)	5.9kg	7.4kg	8.4kg	13.6kg	13.8kg
Weight	3.8kg	5.3kg	6.5kg	11.6kg	11.7kg
Power Source	12v /24v DC or (115V/220V AC with transformer)				
Electric cable to PWR Source	10m (control box to battery connection)				
Supply cable (control box to brush)	6.5m	7m	7.5m	9.5m	9.5m
Required Man Power	1 Person				
Temperature	-30°C~ + 70°C				
Cleaning time					
Normal	7min	9min	9min	13min	13min
Intense	13min	15min	15min	19min	19min
Brush Length	350mm	370mm	370mm	430mm	430mm
Spray Pressure	40psi				
Spray Volume	63L/h				