

# BCS

BORE CLEANING SYSTEMS



**MILITARY BARREL & BORE CLEANING SYSTEMS**  
**CALIBERS 5.56 MM TO 240 MM**  
**US ARMY ABRAMS APPROVED**

## About Bore Cleaning Systems (BCS)

Bore Cleaning Systems, registered in United Kingdom with Presence in Thailand, is a ONE TIME SHOP, state of the Art company with over 25 years of combined experience providing:-

- Design
- Manufacturing
- Distribution and
- Professional Service

With a unique combination of calibers and wide range of systems offered. BCS has the bore cleaning system for all your needs. Tough and Hard Wearing, Soldier Proof Equipment.

We have a good support team comprising of seasoned engineering professionals with a combined experience Involving the design and implementation of equipment over many countries worldwide.

Delivering Cost Effective And Timely Solutions To Support Our Customers.

**IN PLAIN ENGLISH** – YES – YOU CAN COUNT ON US FOR YEARS TO COME.

### US Army Abrams Approved

These types of smooth bore cleaning systems have been tested and approved for use in the Abrams M256 120 mm Smooth Bore.



## Cleaning Systems We Offer

### Smooth Bore Cleaning

**These Systems Are US Army Approved**

Portable System:	40 mm to 240 mm
Depot System:	40 mm to 240 mm
MBT System:	105 mm to 140 mm

### Smooth Bore & Rifled Barrel Cleaning

Automatic System:	90 mm to 175 mm
Pneumatic System:	20 mm to 240 mm

### Small Arms Cleaning

Semi-Auto System:	5.56 mm to 15.2 mm
Ultrasonic:	Pistols & Rifles

### Cleaning Depleted Uranium Bores

BCS Can provide a negative pressure Hepa Vacuum to protect the operator from illnesses.

With a unique combination of calibers and wide range of systems offered. BCS has the bore cleaning system for all your needs. Tough and Hard Wearing, Soldier Proof

Ideal For Maintenance Yard / Depot Situations / Military Manoeuvres or Deployment Overseas.

## Military Shafts We Offer

All Army – Naval – Air Force Barrels

Small Arms  
Tank Barrels  
Artillery Bores & Tubes  
Air Force Cannons  
Naval Weapons

Small Arms Flexible Shafts  
Calibers 5.56 mm to 15.2 mm

Small Barrel or Bore Shafts  
Calibers 14 mm to 30 mm

Medium Barrel or Bore Shafts  
Calibers 30 mm to 155 mm

Large Barrel or Bore Shafts  
Calibers 155 mm & Larger

Length Of Shafts  
From 7.5 mtrs  
To 48 mtrs

Hepa Vacuum Shaft Attachment  
BCS Can provide a shaft attachment for all Contaminated DU bore cleaning. **Be Safe.**





## Pneumatic Cleaning System

Pneumatic Systems: Field / Depot / Maintenance / Exercise

### Power Supply

Choice Of 1 Model Available

Pneumatic motor 1.1 KW

### Standard Pneumatic System Components

Main System

Rammer Lock

Centering Cone

Tool Kit

Cleaning Brush

Oiling Brush

Oil Dispenser

Air Hose Machine

Air Hose Compressor

Peli Case

### Vibrating Pneumatic Brush Series

Cleaning Brushes

Air Powered Series

20 mm to 240 mm

Squeegee Brushes

Air Powered Series

20 mm to 240 mm

Oiling Brush

Air Powered Series

20 mm to 240 mm



### How Does The System Work

Air Pressure

The system is designed for operations and requires only 60 -116 psi which can be the pressure from a logistic support vehicles air brakes or tyre inflation system on a Armoured vehicle.

Alternatively, the system can be used in the workshop from a compressor or in- house air supply.

### Cleaning Requirements

Removal of

Corrosion preventing oils or grease

Removal of

Firing residues & propellants

To lubricate

Barrel or bore after cleaning

### Smooth Bore Cleaning System (US Army Approved)

Ideally Suited Artillery Bores/ Mortar Tubes Battle Tanks

**Electric Systems** Field / Depot / Maintenance / Exercise

**Power Supply** Electric Motor 1HP & 2 HP

**DU Vacuum** Protects the operator from contaminated particles

### Portable System

Portable System The most versatile barrel & bore cleaning system available today. The BCS portable series makes barrel maintenance easier to carry out. The system is small, compact and lightweight; easily stowed away. The BCS portable series is virtually maintenance free.

### Main Battle Tank System

The BCS (MBTBCS) Main Battle Tank Bore Cleaning System, is designed to clean and maintain all modern & future smooth tank bores. Fast and efficient. Clean a squadron of tanks, Fast and efficient, with and without muzzle brakes in 60 minutes or less.

### System Contents

BCS MBTBCS System x 1

OR

BCS Portable System x 1

Storage Case x 1

Flex Shaft 35ft x 1

Shaft Repair Kit x 1

Cleaning Brush x 1

Breach Brush x 1

Polishing Brush x 1

Patching Out x 1

### Calibers Cleaned

All Smooth Bores / Mortar Tube / Artillery Tubes

### Standard Calibers

Large Bores 40 to 240 mm

Optional Extra

Small Arms 5.56 mm to 15.2 mm

### Cleaning Requirements

Removal of Corrosion preventing oils or grease

Removal of Firing residues & propellants

To lubricate Barrel or bore after cleaning



## Automatic Bore Cleaning System (ABCS)

The back breaking task of cleaning any Barrel or Bore from 90 mm to 175 mm just got easier.

What used to take several soldiers and hours to complete can now be done in minutes with just one person.

The new BCS Automatic Bore Cleaning System (ABCS) is a fully automatic, versatile and simple to operate Bore & Barrel Cleaning System.

### Specifications

Weight:	Full System 130 Lbs / 59 kgs
Storage:	Custom Milspec Case
Min Caliber:	90 mm
Max Caliber:	175 mm as standard
Power:	24 V DC
Cleaning Rate:	15 ft minute / 4.5 mts. minute
Dual Use:	Smooth Bore & Rifled Barrels
Other Calibers:	Are Available Subject To MOQ
Temperature:	-20 C to +70 C

### Features

#### Bio Friendly:

Uses as little as 10oz. of oil.

#### Operates:

Any vehicle 24VDC connector.

#### Versatile:

Can clean any tube from 90mm to 175mm.

#### Simple and Effective:

One man can clean and preserve all barrel types.

#### Fast and Efficient:

15-20 minutes to clean and preserve most bores and barrels.



### System Operation

Ensure the barrel or bore is empty.

When operating the ABCS in the field, it is recommended that a rag is used to wipe off any debris.

The operator will need to lightly pull the cabling and rope back as the ABS returns up the tube.

This will prevent the ABCS from running over the rope and cabling inside the gun tube.

Just prior to the brush reaching the end of the tube, shut off the master switch and secure the ram staff lengths to prevent the ABCS from falling out of the tube when it returns

### Prevention Is Better Than The Cure

The following process is adequate for most normally maintained gun tubes, obviously dirtier, less maintained gun tubes will require additional cycles.

Although the ABCS has had success cleaning very dirty gun tubes, the ABCS system was designed as a regular maintenance tool.

The ABCS was not designed to recover damaged gun tubes due to: Corrosion from Rust, Age, or Neglect.

### On Site Training Languages

English  
Portuguese  
German  
Italian

### On Site Training Services

Application for mil spec nanocoatings  
Military barrel bore cleaning systems  
Barrel & bore inspection camera  
Tube & bore straightness laser

### Location

At your military unit /office location  
Duration  
From 1 to 5 days

### Includes

Setting Up  
Fault Finding  
Repairs and Machine Maintenance

### To Arrange System Quotation

We Require the following Information  
Caliber  
Where is system being used field or depot  
Smooth bore or rifled barrel  
Power supply required air or electric  
Length of barrel  
How many systems

### Resources We Offer

BCS offer the complete sourcing services featuring all in-house capabilities.

### Including The Following Products-

Bore cleaning  
Motor spares  
Military lubricants  
Bore inspection camera  
Nano technology coating

### Optimised Company

Why Us?: Customised solutions  
Why Us?: Multi Language training  
Why Us?: Optimised company source



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