

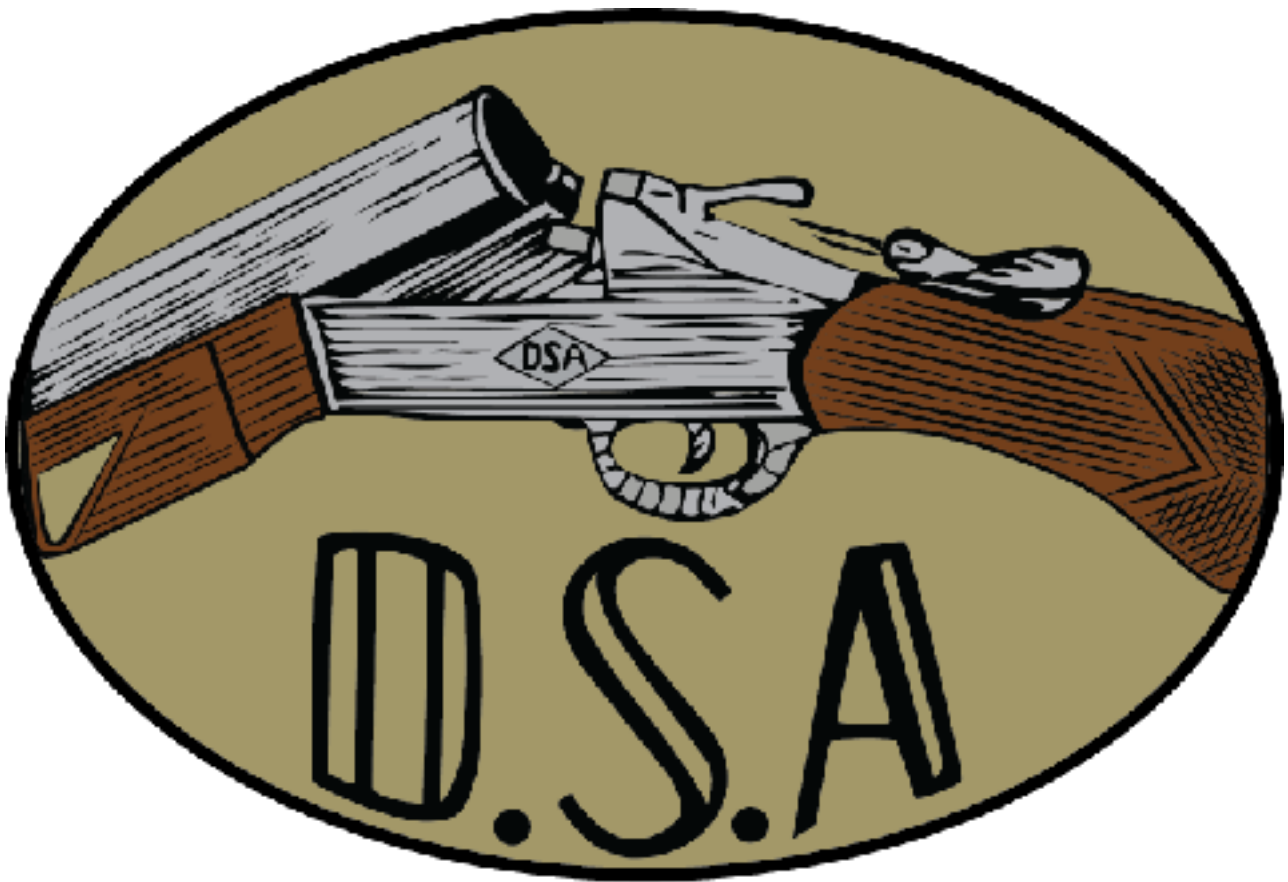
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# DAUDSONS ARMOURY

(PVT) LTD.

## COMPANY PROFILE

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Name of the company : **DAUDSONS ARMOURY (PVT) LTD**

Address : Industrial Estate, Kohat Road, Peshawar - Pakistan.

Telephone : (92-91) 2325135 - 37, 2324904 - 6

Fax # : (92-91) 2324332, 2322906

E-Mail : info@daudsons.com.pk

WebSite Address : www.daudsons.com

Contact Person : 1. Hakimuddin F. Daud (Technical Director)  
2. Nooruddin F. Daud (Chief Executive)

Nature of Firm : Private Limited Company

Export Registration No. : 23/8

National Tax Number : 3135535-8

Type of Exporter : Defense Stores / Industrial.

Type of Industry : Engineering, Defense Weapons Manufacturer & Sporting/Hunting & Security/Law-Enforcing Arms Manufacturer

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## Introduction

Daudsons Armoury (Pvt) Ltd. Armoury in its present form is a prodigy of an entrepreneurial family dealing in the Sporting Arms and Defense Weapons trade for over two centuries. Its present work premises is situated in Industrial Estate, Kohat Road, Peshawar. It has been an engine for technological advancement in Sporting Arms and Defense Weapons production in the private sector in Pakistan.

Daudsons Armoury (Pvt) Ltd. Armoury was the first private sector defense industry in Pakistan to get both ISO 9001:2000 AND ISO 14001 certifications.

This advancement by Daudsons Armoury (Pvt) Ltd. Armoury is due to its adoption of State of the Art CNC technology coupled with in-house CAD/CAM facilities. To achieve this end, Daudsons Armoury (Pvt) Ltd. Armoury has invested to a great extent in Machinery, Equipment and in its Work Force. Daudsons Armoury (Pvt) Ltd. Armoury was the pioneer in introducing CNC machines in Pakistan.

Daudsons Armoury (Pvt) Ltd. Armoury has adopted the methodology of continuous improvement in its organization in every sphere of its activities. In Daudsons Armoury (Pvt) Ltd., we give top priority to the quality so as to ensure customer satisfaction. Exquisite workmanship and waste elimination is given due care in the production of various products relating to Sporting Arms, Defense Weapons and Armaments.

Daudsons Armoury (Pvt) Ltd. moved into its present premises in early 1960s as a small industry. Today, by the grace of God it covers an area of more than 120,000 square feet and makes quality products falling under several categories. We humbly bow our heads to God Almighty for our success and thank our customers for the trust & confidence reposed in us and for their continued loyalty.



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## Manufacturers of:

### Aircraft Bombs General Purpose & Anti Personnel:

- Mk-80 Series Low Drag Bomb Bodies (Steel) empty complete with parts and Tail Units
- Mk-81, Mk-82 & Mk-83 Pre-Fragmented Bomb Bodies empty complete with parts and Tail Units
- Practice Bombs 6 Kg High Drag
- Practice Bomb 25 lbs Low Drag



### Infantry Weapons:

- Automatic Grenade Launcher 40 mm
- Short Range Grenade Launcher 40 mm (Hand Held)
- Under Barrel Grenade Launcher 40 mm (UBGL)
- Pistol Pyrotechnic



### Troops Training Systems:

- Mortar 120 mm, 81 mm, 60 mm,
- Sub Calibre devices for RPG-7, SPG-9, RR-75mm and RR-106mm





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### Shotguns and Small Arms:

- 12 Bore Pump Action Shotgun,
- Anti Riot 37/38mm DSA Tear Gas Gun
- Double Barrel (.410, 21 gauge & 12 bore) and Single Barrel Shotguns,
- 9 mm Pistols.



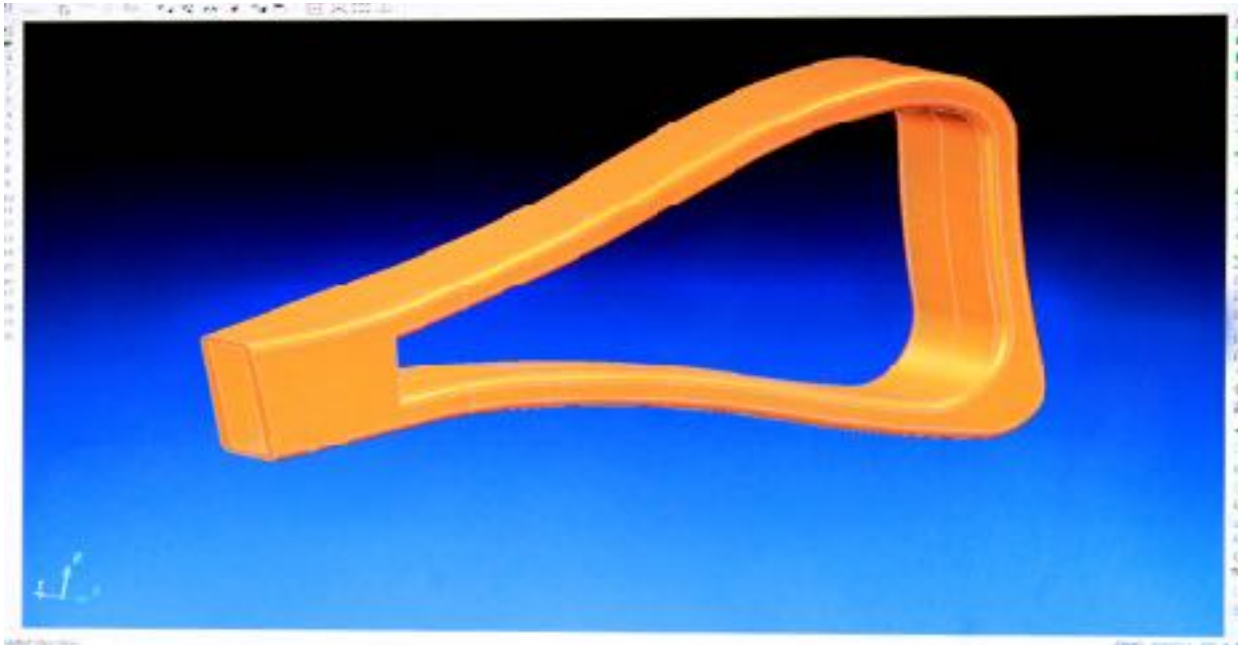
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## **EQUIPMENT AND FACILITIES AVAILABLE**

1. CAD/CAM Softwares
2. CNC Machining Facilities
3. CNC Tubular Forging Facility
4. Fibre Re-enforced Plastic Products Manufacturing Facilities
5. Conventional Mechanical Production Facilities
6. Testing and Calibration Facilities
7. Standards and Calibration Room
8. Surface Finishing
9. Heat Treatment Facilities

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## 1. COMPUTER AIDED DESIGNING/COMPUTER AIDED MANUFACTURING (CAD/CAM)



### A. DELCAM

- a) Power Mill                      5 Axis Machining Software for NC Programming
- b) Art Cam                              For designing complex shaped geometries for machining
- c) Power Shape.                      3D Modeling and Designing Software
- d) Copy Cad                              For Reverse Engineering

### B. Advance Programming Systems (APS)

- i) Lathe 2 Axis Programming
- ii) Milling 2 ½ Axis Programming

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## 2. CNC MACHINING FACILITIES

Daudsons Armoury (Pvt) Ltd. Armoury's CNC setup is coupled with in-house CAD/CAM system and is capable of undertaking products requiring stringent dimensional control and repeatability.



### A. MACHINING CENTERS

Wahli W 53 (Dixi) 4 Axis Horizontal Machining Centre

- i) Working Envelop XYZ - 700 mm x 500 mm x 700 mm
- ii) Automatic Tool Change Battery - 48 Tools
- iii) Axis - 4 Axis continuous
- iv) Number of Pallets - 9 Pallet carousel

Le Blond Makino 4-Axis Horizontal Machining Centre **(Two Units)**

- i) Working Envelop XYZ - 700 MM x 650 MM x 500 MM
- ii) Automatic Tool Change Battery - 40 Tools
- iii) Axis - 4 Axes
- iv) Number of Pallets - 2 Pallets

Fadal 4-Axis Vertical Machining Centre

- i) Working Envelop XYZ - 40" x 20" x 28"
- ii) Automatic Tool Change Battery - 21 Tools
- iii) Axis - 4 Axis continuous

Fadal 3-Axis Vertical Machining Centre

- i) Working Envelop XYZ - 40" x 20" x 28"
- ii) Automatic Tool Change Battery - 21 Tools
- iii) Axis - 3 Axis continuous



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## **B. CNC LATHE MACHINES**

### Colchester 4000L CNC

i)	Turning Length	-	2000 mm between centre
ii)	Turning Diameter	-	315 mm
iii)	Tools Turret	-	8 Stations

### Johnford TC-35 CNC

i)	Turning Length	-	810 mm
ii)	Turning Diameter	-	350 mm
iii)	Tools Turret	-	12 Stations

### Johnford TC-20 CNC (**Two Units**)

i)	Turning Length	-	500 mm
ii)	Turning Diameter	-	200 mm
iii)	Tools Turret	-	12 Stations

### Hardinge 3-Axis CNC Turning Centre

i)	Turning Length	-	254 mm
ii)	Turning Diameter	-	152 mm
iii)	Tools Turret	-	7 Live tools 10 Tools VDI

## **C. CNC EDM**

### Mitsubishi CNC EDM 410 mm X 340 mm X 350 mm

#### Applications :

- \* Bomb Bodies External Contouring
- \* Intricate Machining of Aircraft parts
- \* Manufacturing of Small Arms
- \* Components of machine/tools and other equipments
- \* Automotive parts requiring precision machining

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### 3. CNC TUBULAR FORGING FACILITY



Daudsons Armoury (Pvt) Ltd has installed **TWO** State of the Art large capacity/Horizontal Forging Presses which are capable of handling Tubular Products requiring complex contouring and upsetting so as to give controlled variation in Wall Thickness and Variable Diameter.

Capacity of CNC Horizontal Forging Machine :

a)	Maximum Diameter of Stock	-	460 MM
b)	Maximum Length of Stock	-	3000 MM
c)	Maximum Wall Thickness of Stock	-	25 MM
d)	Capacity (Tons per stroke)	-	1000
e)	Strokes per minute	-	420
f)	Motor Drive	-	232 KW (Peak Electric Requirement 400 KW)

Applications :

- \* MK-82 Aircraft Bomb Bodies 500 LBS Empty complete with parts.
- \* Also for MK-83 1000 Lbs. and MK-84 2000 Lbs. Low Drag Bomb Bodies, Empty complete with parts.
- \* Grooving of Barrels by Cold Hammering
- \* High Pressure Gas Cylinders
- \* Automobile Axels
- \* Electric Poles

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## 4. FIBERGLASS REINFORCED PLASTIC PRODUCTS



### MANUFACTURING FACILITIES

Daudsons Armoury (Pvt) Ltd. Armoury has comprehensive facilities for design / manufacturing of Fiberglass Reinforced Plastic Products using various types of Resins and Fiber Systems.

#### **N.C. Filament Winding Facility**

N.C. Winding Machines 2" to 24" diameter straight pipes and contoured pipes.

Die/Mould Products :

Products of various sizes and shapes.

Applications :

- Mk-81, Mk-82, Mk-83 and Mk-84 Pre fragmented bomb bodies empty complete with accessories
- Pipe lines for water, chemicals and various oils.
- Pipe lines for Corrosion Resistant Applications.
- Various parts for Aircraft and Automobile applications.

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## 5. CONVENTIONAL MECHANICAL PRODUCTION FACILITIES



Daudsons Armoury (Pvt) Ltd. Armoury is equipped with a wide spectrum of conventional machinery of small to medium capacity which enables us to complete products requiring various processes of machining, Die Press work , etc., i.e,

Lathes	Engine Lathes Automatic Copy Lathes Capstan Lathes
Milling Machines	Horizontal/Vertical Milling Machines Horizontal/Vertical Copy Milling Machines
Welding Machines	Arc, Mig/Tig, Spot and Seam Welding Machines
Forging Machines	Hydraulic Forging Presses Drop Forging Presses Non-Ferrous Material Extrusion Press
Sheet Press/Fabrication	Mechanical Presses Hydraulic Presses Benders Iron Workers

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## 6. TESTING AND CALIBRATION FACILITIES

01. TENSILE TESTING MACHINE 20,000 Kg. FORCE (LEVER TYPE)
02. ROPE TESTING MACHINE 100 Kg FORCE
03. HARDNESS TESTING M/C 100 HRC & HRB
04. PORTABLE HARDNESS TESTING 100 HRC & HRB
05. PORTABLE ULTRASOUND 100 mm AREA  
(CRACK DETECTION) TESTING
06. WET ANALYSIS TEST LABORATORY FOR FERROUS & NON-FERROUS METALS
07. AUTOMATIC SALT SPRAY TESTING MACHINE

## 7. STANDARDS AND CALIBRATION ROOM

This facility has been established for two vital aspects;

- a) Precision measuring of components
- b) Calibration of all measuring instruments

**The Standards & Calibration Room (SR&C) is equipped with Coordinate Measuring Machine (CMM), Profile Projector and various high Precision Calibration and measuring equipments.**

Manual CMM Checkmaster	1000mmX500mmX500mm
Mitutoyo MDL PH350 Profile Projector	13" Screen and 10X Lens
Hewlett Packard Laser Measurement System	

## 8. SURFACE FINISHING

Daudsons Armoury (Pvt) Ltd. Armoury is involved in manufacturing products for different fields - Most of them requiring specialized surface treatments; such as :-

- |  |   |
|--|---|
| (a) Electro Plating                    | (b) Airdizing / Galvanizing               |
| (c) Spray Painting - Air Dry / Stoving | (d) Electro-static Painting               |
| (e) Phosphating                        | (f) Thompson Surface Grinder<br>20" x 72" |



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## 9. HEAT TREATMENT FACILITY

Furnaces for Hardening/Tempering, Annealing and Normalizing

Applications :

- Aircraft Bomb bodies
- Pistol Pyrotechnic
- Tubular Forged Parts
- Textile Machine Parts
- Tobacco Machine Parts
- Other jobs as per requirement
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## **LIST OF PRODUCTS**

### **A. DEFENSE WEAPONS**

- Aircraft Bomb Body, Low Drag, 2000 lbs MK-84
- Aircraft Bomb Body, Low Drag, 1000 lbs MK-83
- Aircraft Bomb Body, Low Drag, 500 lbs MK-82
- Aircraft Bomb Body, Low Drag, 250 lbs MK-81
- Fin Assembly Conical, for Low Drag Bomb Bodies
- Fuzing Accessories for Aircraft Bomb Bodies
- Aircraft Training Bomb, 25 lbs Medium Drag
- Aircraft Training Bomb, 6 kg High Drag
- Sub Calibre Device SPG-9
- Sub Calibre Device RPG-7
- Mortar Training System, 120 mm / 81 mm / 60 mm.
- Pistol Pyrotechnic.
- Replica of Antique handgun
- Modification of Missile pylons Aero-3B, for Fighter Aircraft
- Retarder Fin Assembly MK-15 Mod 4, for Aircraft Bombs
- 40 mm "Short Range Grenade Launcher" (SRGL-40mm)
- 40 mm Under Barrel Grenade Launcher (UBGL)
- 37 / 38 mm DSA Tear Gas Gun
- 7.62 mm Gun Mount for Al-Khalid Tank
- 81 mm Smoke Shell Launcher for Al-Khalid Tank

### **B. FIREARMS**

1. 12 Bore Pump Action "SHOOTER" Shotgun
2. 12 Bore Single and Double Barrel Shotguns
3. .410 Gauge Double Barrel Shotgun (Export only)
4. 9 mm Pistols