



Defense and Security Services

PZD MK24

NEW MODEL

The PZD MK24 represents the premier model in a newly developed category of PZD machine guns by DSS. This weapon system was designed to address the requirements of the 21st-century operator. The combination of the essential characteristics of a machine gun with the ergonomics and weight of an assault rifle represents a significant innovation in the field of weaponry.

The MK24 machine gun is distinguished by its lightweight yet robust recoil-reducing design, which enables the operator to effectively engage distant targets with precision and efficiency.

Another advantage is the minimalist design of the feeding device, which is characterized by a straightforward and efficient mechanism which ensures that accessories remain securely in place after zeroing and firing. The whole receiver in combination with the continuous Picatinny rails, was specifically designed as a free float in the barrel area for enhanced heat dissipation.

Key features are a quick-change barrel and a select fire trigger that allows single shots are standard.

A reduction in weight of 30% in comparison to other light machine guns in the same category enables each operator to carry a greater quantity of ammunition or other essential materials.





PZO MK24

16"/14" barrel



SS

REPUBLIC

Technical data

Firing mode	Full and Semi-auto capabilities
Caliber	5,56x45mm NATO
Type of ammunition	M855, SS109 and other STANAG compatible
Operating principle	Long-stroke gas piston
Sights	Integrated folding Flip-up sights
Gas regulator	4 Position Adjustable Gas Regulator
Weight	5,2 kg/11.4 lbs
Weapon length 14" barrel	868 - 950 mm
Weapon length 16" barrel	919 - 1001 mm
Effective Range	600 m
Maximum Range	1200 m



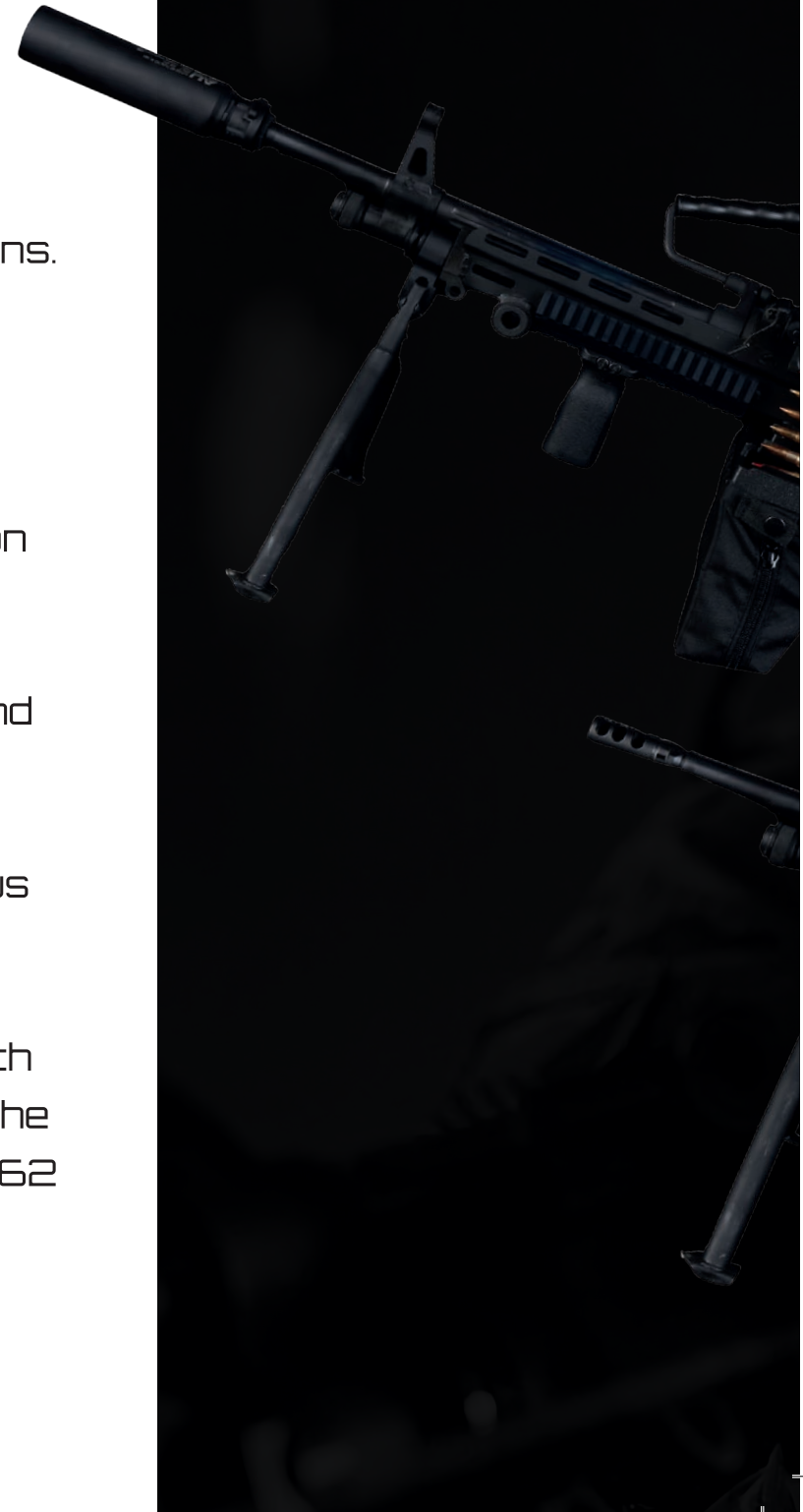


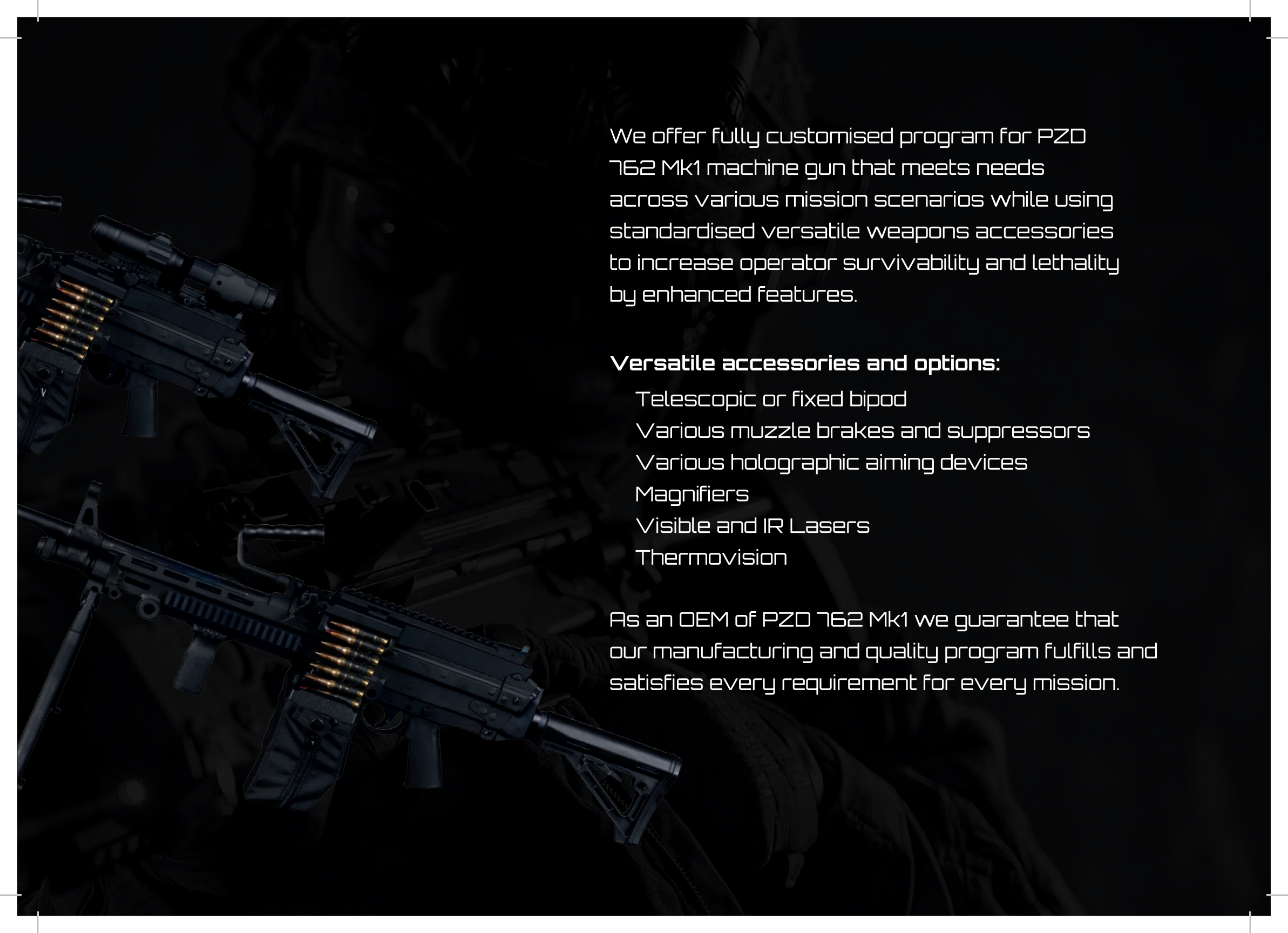
PZD 762 MK1

The PZD762 machine gun is the newest weapon, representing innovation in the realm of NATO 7.62x51mm caliber machine guns. This machine gun is the result of a blend of advanced design and modern technology, allowing it to adapt to new operational conditions.

The PZD762 excels in performance and versatility. The weapon fires from an open bolt, the breech is locked by the rotating bolt and unlocked by a screw slide, which is carried to the rear by the action of the piston carrier which is pushed by the propellant gases. This solution ensures reliable operation even during demanding firing scenarios. Additionally, it comes equipped with a quick-change fluted barrel, enhancing its practicality in various operational situations.

PZD762 machine gun offers modern customization options. With the ability to mount optical devices and accessories thanks to the integrated M1913 Picatinny rail and M1913 handguard, the PZD762 is ready for diverse environments and situations.





We offer fully customised program for PZO 762 Mk1 machine gun that meets needs across various mission scenarios while using standardised versatile weapons accessories to increase operator survivability and lethality by enhanced features.

Versatile accessories and options:

- Telescopic or fixed bipod
- Various muzzle brakes and suppressors
- Various holographic aiming devices
- Magnifiers
- Visible and IR Lasers
- Thermovision

As an OEM of PZO 762 Mk1 we guarantee that our manufacturing and quality program fulfills and satisfies every requirement for every mission.

Features

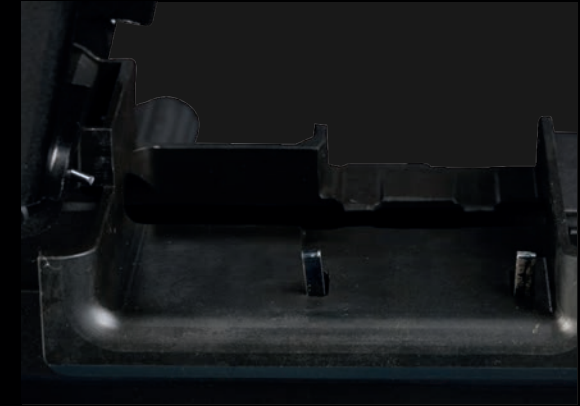
PZO 762 Mk1 has gas regulator with 11 positions that allows the operator to adjust the rate of fire, use of suppressor and ensures that the machine gun operates smoothly even if its dirty or under extreme conditions.



Flash hider is designed as self tightening to ensure that it stays locked in position even during the high temperatures.



PZO 762 Mk1 has adjustable diopter rear sights to improve the speed of target acquisition.



Modified feed tray with two retaining paws that hold the belt on the feed tray under any circumstances. This feature adds significant improvement when reloading or operating with NVGs.





PZO 762 Mk1 uses a quick change fluted barrels that improve the heat dissipation allowing the operator to sustain the operation of the machine gun for longer period of time without changing the barrel. Barrel comes with adjustable front sight and are zeroed identically to ensure there is no change in ballistics when swapped.



Mil spec collapsible stock with 6 position.



Our innovative solution ensures that complete field cleaning kit is always ready when needed.





PZO 762 MK1

18"/16" barrel

SS

REPUBLIC

Technical data

Caliber 7,62 x 51 mm

Type of Ammunition Linked 7,62 x 51 Standard
NATO Link M13

Weight of Complete Gun 7,83 kg or 7,69 kg

Weight of Barrel Assembly 2,05 kg or 1,95 kg

Weapon Width 133 mm

Length of Gun 985 - 1 065 mm
or 945 - 1 025 mm

Length of Barrel 510 mm or 460 mm

Method of Operation Open Bolt, Long Stroke Piston

Firing Mode Full Automatic

Rate of Fire 800 - 1 100 rpm

Maximum Effective Range 800 m

Maximum Range 1 600 m



UN 0012
CARTRIDGES FOR WEAPONS,
INERT PROJECTILE
NÁBOJE PRO ZBRANĚ,
S INERTNÍ STŘELOU
NEQ 0,578 kg GWT 7,80 kg
NWt 5,90 kg VOL 5,0 dm³

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PZD 556 MK2

The PZD 556 light machine gun is a fully automatic weapon that provides crucial fire support for team or operator.

It is carried and operated by single operator, and when needed can be mounted in mil-spec cradles and perform a limited range of tasks as a universal machine gun. The weapon fires from an open bolt, the breech is locked by the rotating bolt and unlocked by a screw slide, which is carried to the rear by the action of the piston carrier which is pushed by the propellant gases.



We offer fully customized program for PZO 556 Mk2 light machine gun that meets needs across various mission scenarios while using standardized versatile weapons accessories to increase operator survivability and lethality by enhanced features.

Versatile accessories and options:

2 lengths of barrel – 13,75" x 16"

Telescopic or fixed bipod

Hard plastic magazine for 200 rds or soft

fabric magazine for 100 rds

Various muzzle brakes and suppressors

Various holographic aiming devices

Magnifiers

Visible and IR Lasers

Thermovision

As an OEM of PZO 556 Mk2 we guarantee that our manufacturing and quality program fulfills and satisfies every requirement for every mission.



Features

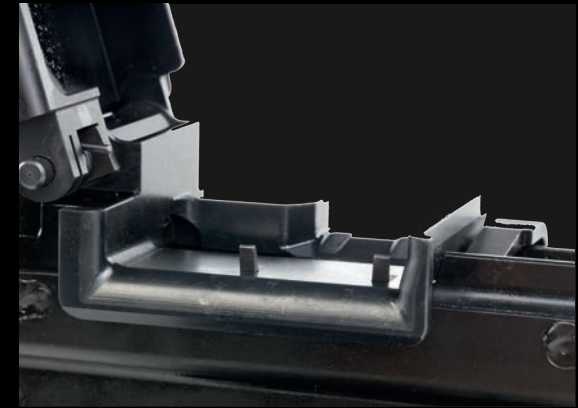
PZO 556 Mk2 has gas regulator with 11 positions that allows the operator to adjust the rate of fire, use of suppressor and ensures that the machine gun operates smoothly even if its dirty or under extreme conditions.



Flash hider is designed as self tightening to ensure that it stays locked in position even during the high temperatures.



PZO 556 MK2 has adjustable diopter rear sights to improve the speed of target acquisition.



Modified feed tray with two retaining pawls that hold the belt on the feed tray under any circumstances. This feature adds significant improvement when reloading or operating with NVGs.





PZD 556 MK2 uses a quick change fluted barrels that improve the heat dissipation allowing the operator to sustain the operation of the machine gun for longer period of time without changing the barrel. Barrel comes with adjustable front sight and are zeroed identically to ensure there is no change in ballistics when swapped.



Mil spec collapsible stock with 6 position.



Our innovative solution ensures that complete field cleaning kit is always ready when needed.





PZD 556 MK2

16"/14" barrel

SS

REPUBLIC

Technical data

Caliber	5,56 x 45 mm
Type of Ammunition	Linked 5,56 x 45 Standard NATO Link M27
Weight of Complete Gun	7,35 kg or 7,20 kg
Weight of Barrel Assembly	1,83 kg or 1,72 kg
Weapon Width	117 mm
Length of Gun	925 - 1 060 mm or 867 - 948 mm
Length of Barrel	459 mm or 402 mm
Method of Operation	Open Bolt, Long Stroke Piston
Firing Mode	Full Automatic
Rate of Fire	800 - 1 100 rpm
Maximum Effective Range	600 m
Maximum Range	1 200 m





About DSS

DSS a.s. is a new, ambitious and fully ISO 9001:2015 certified Czech-based designer, developer and manufacturer of small arms, founded on knowledge and technologies that have been forged in the last 100 years. The company focuses on Czech manufacturing using Czech raw materials.

The DSS facility is located in a new business park just 10 minutes outside of Prague which is fully equipped with state-of-the-art CNC mills and lathes, a welding area and an assembly area with a complete range of equipment and tools for small arms assembly and storage.

The DSS team is comprised of highly skilled, experienced and motivated engineers, CNC operators, armorers, technicians and others who are constantly honing their skills and strive to achieve perfection in what they do.

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