



# OTO MELARA

A Finmeccanica Company

Land Systems

Turrets

105 - 120mm



## **HITFACT® 105-120mm LOW RECOIL FORCE TURRET (FIRE AGAINST COMBAT TANK)**

HITFACT® is a three-man, power operated turret armed with a 120mm, 45 calibre or 105mm, 52 calibre low-recoil-force gun, intended for installation on light and medium weight tanks and wheeled or tracked tank destroyers. Due to its light weight and low recoil force, the turret can provide the fire power of a main battle tank with great accuracy, without impairing the tactical and strategic characteristics of mobility of the vehicles. The auto-frettagged gun is fitted with a thermal jacket and bore evacuator.

A hydraulic, recoil-counterrecoil system and a multibaffle muzzle brake of high efficiency minimize the recoil force and prevent any excessive stress on the vehicle structure.

The turret fire power is such as to impair or destroy hostile tanks at significant ranges.

The gun is controlled by a FCS including a gunner's self-stabilized day and night IR thermal camera periscope with integral eye-safe laser rangefinder.

The commander can control the turret and gun movements and can search the battlefield with the

remotely controlled Turret-on-Turret SAPPHIRE with IR TV camera and 7.62mm machine gun. The SAPPHIRE can also be controlled by the gunner (option).

The HITFACT® FCS includes the digital data processing computer HITFIST® with associated control panels; all the turret servos are electric (two-axis stabilization) with brushless motors.

Target search, detection and identification are performed by the commander, independently from the turret traversing movements.

The auxiliary armament consists of a coaxial, 7.62mm machine gun, a further 7.62mm machine gun mounted on the SAPPHIRE and an anti-air, pintle-mounted 12.7mm (option).

Four electrically operated multiband smoke screening ammunition dischargers, on either side of the turret, complete the auxiliary armament.

Turret armour protection can be enhanced with optional add-on panels with multi-hit capability.