



AEROFINA S.A.



Aerofina is a company founded in 1980 with entirely Romanian capital that runs programs of research and design, production, testing and evaluation, maintenance and integrated customer support for life-saving equipment, electronic devices, pyrotechnical elements and aviation ammunition for military systems.

It participates in all major Romanian aviation programs such as IAR 316, IAR 330 PUMA, IAR 330 PUMA SOCAT, MiG 21 LANCER, IAR 99 ST and IAR 99 SOIM.

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The Quality Management System has been certified according to ISO 9001 – 2015 by AEROQ (Accredited Body for Quality System Certification) and AFER (Romanian Railway Authority) and according to AQAP 2110 by OMCAS (Military Body for Certification and Surveillance according to NATO requirements).

AEROFINA is one of the company from National Military Industry authorized by Ministry of Economy, according to law 232/2016.



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Aerofina main headquarters location is:

2-4 Fabrica de Glucoza Street, Sector 2, Bucharest PO 020332,
Romania

Aerofina is working on establishing a second workpoint at the
following location:

34 Hermann Oberth Street, Ghimbav PO 50707, Brasov county,
Romania.

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Main products:

- Ejection seat SCHV-0
- Flight data recorders with static memories - SAIMS
- Launcher for Magic 2 Missile
- Electronic time fuses for illuminating bombs
- 20 x 102 mm and 35 x 228 mm ammunition
- On board equipments for military aircraft
- Pyrotechnical elements

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The SC.HV-0 ejection seat is designed as an escape system for fighter IAR-93, IAR-99 ST and IAR 99 SOIM provided that all mounting conditions required by its construction are observed.

It can be installed in any other aircraft cockpit such as Soko Galeb, IA-63 Pampa, Tornado, Kfir, Mirage, Alpha Jet, Gripen, Hawk with minor modifications, to meet the requirements according to MIL-STD-18471G.

SC HV-0 - EJECTION SEAT

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SAIMS 02H is designated for the acquisition and memory recording of the main flight parameters, quick download and ground processing of these parameters, so as to permit the analysis of the aircraft evolution, in normal flights and in case of accident. It is designed to be used mainly on the IAR 330 Puma and IAR 330 Puma SOCAT helicopters of the Romanian Air Force.

SAIMS 02H - Data Acquisition And Recording System With Static Memories

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SAIMS M product is a hardware software equipment designed to: receive, record and monitor the main flight parameters of the aircraft on which it is installed; transfer the recorded data to a ground station, process and display it; evaluate the flight mission; analyse the aircraft's functioning during the flight mission/missions or in case of an accident, functional maintenance level O and I; analyse the causes of the accident.

SAIMS M outfits MiG21 Lancer, IAR 99 ST and IAR 99 Soim aircrafts present in RoAF (Romanian AirForce) service.

SAIMS M - Solid State Flight
Data Recording System

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LM52M2 / LM52AS Launcher provides for a locked flight, preparation and firing of MAGIC 2 auto guided infrared missile. It equips MiG 21 Lancer aircrafts.

LM52M2 / LM52AS Launcher provides for:

- Transport of locked operational or training missile;
- Signaling and reconnaissance of operational or training missile;
- Normal firing sequence of operational or training missile;
- Transfer of operational or training missile firing sequence;
- Emergency firing sequence of operational or training missile;
- Safety on ground and in flight.

LM52M / LM52AS - Launcher for
Magic 2 Missile

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ELECTRONIC TIME FUSE FET-1MT is a programmable time fuse, which also works on impact. This warhead uses two independent reinforcement mechanisms and the electric detonator is shorted until arming.

IMPACT ELECTRONIC FUSE WITH INSTANT OPERATION MEF-2 is an electronic fuse with instant impact operation. It uses two independent reinforcement mechanisms for reinforcement and safety. The fire chain is shortened and is not fed until arming.

Electronic Time Fuses

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20 X 102 MM FRANGIBLE ARMOUR PIERCING (FAP) is a new type of highperformance, explosive free, multipurpose ammunition developed to be used in AIR-to-AIR or AIR-to-GROUND combat.

20 X 102 MM HIGH EXPLOSIVE INCENDIARY (HEI) is used for various platforms and applications in fixed-wing aircraft for combat applications to support AIR-to-AIR and AIR-to-GROUND missions.

20 X 102 MM TARGET PRACTICE (TP) / WITH TRACER (TP-T) is used in various platforms and applications in fixed-wing aircraft for combat applications to support AIR-to-AIR and AIR-to-GROUND missions.

20 x 102 MM AMMUNITION -
Frangible Armour Piercing / High
Explosive Incendiary / Target Practice

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35 x 228 MM TARGET PRACTICE with TRACER (TP-T) is a training ammunition intended for use on the 35mm KDA automatic cannon mounted on the GEPARD self-propelled anti-aircraft system and the VIFORUL towed anti-aircraft system.

The body of the training projectile is made of steel, the tip is made of aluminum alloy and the rotating band is made of special alloy.

The projectile can be used both in surface-to-air and surface-to-surface missions up to a distance of 5000m.

35 x 228 MM AMMUNITION -
Target Practice with Tracer

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The cartridges and the rocket motor propellant with suitable nozzle are designed to equip KM – 1M ejection seat. This products is to be used on KM-1M ejection seat equipping MIG-21M, MIG-21MF, MIG-21UM, MIG 21 DD LANCER and MIG-23 fighters.

The products consists of: PKM 1 Ejection cartridge (equivalent PK-16M), PKM 2 Ignition cartridge (equivalent PV-50), PKM 3 Multiple cartridge (equivalent PK-3M-1), PKM 4M Propellant double – base for rocket motor (equivalent IDSI), PKM 4A Rocket motor nozzle.

PKM - Cartridges and Rocket Motor Propellant for KM–1M Ejection Seat

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