

ROXEL: PROVEN PROPULSION PERFORMANCE IN SUPPORT OF FORCES IN THE FIELD

ROXEL, the European leader in solid propellant motors, strives to offer its customers and the armed forces the propulsion systems best suited to their needs. In recent years, these needs have focused in particular on improving performance across the board, but also on reducing development time to bring new products into service more quickly.

Thrust management in response to operational requirements for missile manoeuvrability and agility

Over the last twenty years, thrust management has become a major issue for the missile industry. Roxel, responding to its customers and forces in the field, has therefore developed technologies that make the propulsion function more agile (Thrust Vector Control (TVC) and Thrust modulation devices).

Smokeless in response to operational needs to avoid operator detection and allow communication between the firing post and the missile

Roxel has a comprehensive catalogue of propellants offering the best solutions to meet the needs expressed by its customers in terms of reducing and/or eliminating primary and secondary smoke.

Insensitive Munitions in response to the operational need to ensure the safety of personnel and equipment during the handling and storage of ammunition

Roxel is a world leader in IM technologies and is actively working to develop still more effective solutions to resist the various potential stimuli (fuel fire, slow heating, bullet and fragment impact, detonation of nearby munitions, dropping, etc.).

Reducing development times in response to the operational need for faster product introduction to enhance the capability of the armed forces

The manufacturing cycles for structural metal parts are very often the critical path for the manufacture of motors, and therefore the first mock-ups. Roxel masters additive manufacturing which, in addition to its well-known traditional advantages, makes it possible to significantly shorten the lead times for the availability of parts during development.

ABOUT ROXEL

Roxel, the European leader in tactical propulsion, is an equally owned subsidiary of MBDA and Safran.

Roxel designs, develops and manufactures all types of rocket motors used in tactical weapon systems and cruise missiles deployed worldwide. The company provides a complete range of propulsion solutions for all manufacturers of missiles, rockets and other tactical weapons, whether for new systems or to upgrade current systems.

Roxel delivers world class solutions based on state of the art technologies for hypervelocity and variable thrust motors, meeting user requirements for maneuverability, stealth and low vulnerability (insensitive munitions).

Roxel is an Anglo-French Company with facilities in both the United Kingdom and France.

Press Contact:

Sophie-Anne MAGDELEINE
General Secretary

Tel : 01 41 07 82 06
sa.magdeleine@roxelgroup.com