

TECHNICAL EXPERTISE IN MECHANICAL FOAM CUTTING

At Modisprem, we offer advanced mechanical foam cutting, selecting the most efficient method for each project. Our processes include:

- **CNC Milling:** High-precision cutting for complex geometries.
- **Waterjet Cutting:** Clean cuts with no heat or deformations.
- **Die Cutting:** High-repeatability mass production.
- Own testing laboratory.
- Rapid 3D prototyping.

With these technologies, we ensure efficiency, waste reduction, and top-quality results.

PLASTIC FOAM AND NONWOVENS CONVERTER

At MODISPREM we see innovation as an essential way to maintain a strong and leading position in the plastic foam industry.

FOAM SOLUTIONS FOR NEXT-LEVEL PACKAGING



20.000 M² AREA



+100 PEOPLE



+90 MACHINES



100.000.000 ANNUAL PIECES



4,5% INVESTMENT INNOVATION



+25 COUNTRIES



INDUSTRY 4.0

U.S. FEDERAL STANDARD FAR 25.853 & A-A 59136

CERTIFIED
ISO 9001
ISO 14001
IATF 16949



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MODISPREM®



MODISPREM.COM

COMMITMENT TO SUSTAINABILITY



At Modisprem, we embrace innovation and environmental responsibility with GREEN FOAM, our range of recycled and sustainable foams that reduce environmental impact while maintaining top performance.

- **Recyclable and waste-reducing**, supporting a circular economy.
- **Low environmental impact**, made from sustainable materials.
- **Durable and high-quality**, matching conventional foams in protection.

With GREEN FOAM, Modisprem delivers eco-efficient solutions for a sustainable future.

MODISPREM®



ADVANCED FOAM SOLUTIONS FOR DEFENSE



PROTECTION TAILORED

MODISPREM provides comprehensive solutions in plastic foams, from internal components to specialized packaging, meeting the stringent requirements of the military industry.

Our solutions combine innovation and precision to ensure safety and performance in defense applications. We offer a wide range of materials with diverse properties, ideal for applications such as those detailed inside this brochure.

MODISPREM.COM

CUSTOMIZED PROTECTIVE PACKAGING

We design **tailor-made packaging** for defense products, offering **impact protection, vibration absorption, and resistance to harsh conditions** during transportation and storage.

Our **foam materials adapt to the geometry of weaponry**, preventing movement and absorbing shocks during transport, storage, and tactical deployment.

INTERIOR COVERINGS: THERMAL, ACOUSTIC, AND IMPACT INSULATION

High-durability **technical foams** designed for:

- PROTECTION INSIDE HELMETS AND VISORS:**
Energy-absorbing materials minimize trauma risk.
- ERGONOMIC SUPPORT FOR BACKPACKS AND GEAR:**
Foams designed to improve weight distribution and reduce fatigue in heavy equipment transport.
- SHOCK ABSORPTION IN KNEE PADS, ELBOW PADS, AND BOOTS:**
Impact-absorbing foams enhance mobility and reduce injuries.
- THERMAL INSULATION IN MILITARY VEHICLES:**
Protection in tanks, armored vehicles, and transport units to reduce heat transfer.
- SEATS FOR MILITARY VEHICLES AND HELICOPTERS:**
High-impact absorption foams improve safety during hard landings and nearby explosions.
- VIBRATION ABSORPTION IN EQUIPMENT:**
Anti-vibration foams for radios, communication devices, and optical systems.
- INTERNAL LININGS IN SUPPLY CONTAINERS:**
Protection for food, medicine, and other materials in extreme environments.
- COVERINGS FOR SHELTERS AND FORTIFICATIONS:**
Acoustic and thermal insulation foams for bunkers and forward operating bases.



BUOYANCY AND IMPACT ABSORPTION

Our **water-resistant and impermeable materials** ensure flotation in specialized applications, including:

NAVAL AND MARITIME SECTOR

- Buoys for signaling and marking.
- Floats for fishing nets and equipment.
- Floating platforms for offshore loading and unloading operations.

MILITARY INDUSTRY

- Flotation devices for rescue and survival equipment.
- Use in life vests and emergency gear.
- Use in traps and marine capture devices.
- Floating components for communication and surveillance systems.
- Applications in rafts, light vessels, vehicles, and aquatic tactical equipment.

COASTAL PROTECTION

- Floating barriers for oil spill containment
- Protective structures against floods and tsunamis.
- Maritime defense systems against unauthorized intrusions.

OFFSHORE INFRASTRUCTURE

- Navigation and signaling buoys for oil platforms.
- Flotation and protection for underwater structures and pipelines.
- Floating components for drilling and maintenance equipment.

