

IRIS-T and IRIS-T SL Control Sections



SENER XDEFENCE / XWEAPON SYSTEMS / GERMANY

*IRIS-T AND IRIS-T SL
CONTROL SECTIONS*

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Sener participates in the IRIS-T programs producing the Control Sections and Wings for the Air-to-Air IRIS-T missile series and developing the Control Section for the Surface-to-Air IRIS-T SL missile.

The Control Section, in both cases, located at the rear of the missile, controls the missile trajectory by means of independent fins movement and motor thrust vectorisation in accordance with the commands from the Guidance Section. It enables extreme directional and attitude changes, even at low velocities and high angles of attack.

IRIS-T Control Sections main features are:

- Four independent actuators for driving aerodynamic control surfaces and thrust vectorisation.
- Four independent fin lock devices.
- Rugged electronics, including close loop position control, power conversion, motor drivers and self-test capability.

- High torque capability.
 - Excellent position accuracy.
 - Low weight and volume.
 - High reliability.
 - Compact design.
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