

MAROTTA®

CAPABILITY MATRIX: MULTI-DOMAIN CONTROL SYSTEM SOLUTIONS

Marotta Controls specializes in delivering advanced power, pressure, and position control solutions that drive mission success across the most demanding aerospace and defense platforms. Our innovative control systems are designed to enhance performance, reliability, and efficiency in every domain.

		POWER ELECTRONICS	PRESSURE CONTROLS	POSITION
	SUBMARINE/ UUV	Power Distribution Power Conversion	Control Valves High Pressure Manifolds Alignment Fittings Pressure Reducers Auto-Stop Valves Submersible Solenoids	Control Surface Actuation Utility Actuation
	SURFACE SHIP/USV	Electronic Communication & Controls Power Distribution Power Supply Power Conversion	Control Valves Thermal Management High Pressure Manifolds Pressure Reducers Auto-Stop Valves Quick Closing Valves	Valve Actuation Utility Actuation
	MISSILE	Power Distribution Power Conversion	Seeker Cooling Attitude Control High Pressure Regulation	Fin/Canard Actuation Fin Locks/Pin Puller Control Surface Actuation Wing Deployment Pintle Valve Actuator
	AIRCRAFT/ UAV	Power Distribution Power Conversion Pneumatic Controls Pressure Controls Static Inverter	Manifolds Isolation Valves Fire Suppression System Hydraulic Valves Pneumatic Ejection Systems	Control Surface Actuation Utility Actuation Ram Air Turbine Control
	LAUNCH VEHICLE	Thrust Vector Control Electronics Power Conversion Power Distribution	Pressurization Systems Reaction Control Systems Landing Leg Deployment In-Flight Abort Systems Cryogenic Systems Separation Systems	Thrust Vector Control Actuation Systems
	SATELLITE/ SPACECRAFT	Power Processing Units Power Distribution	Pressure Regulation Service Valves Latching Valves Thruster Valves Life Support Systems (ECLSS) Thermal Control	Deployment Actuators Motors

POWER ELECTRONICS



Power Distribution



Power Supply



Electronic Controller



Electronic Control Unit



Pressure Controller



1-STEP AC-DC Converter

PRESSURE CONTROLS



Service Valves



Propulsion Controls



CoRe® Solenoids



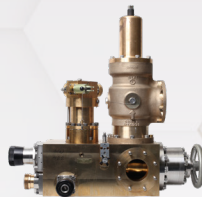
Reducers



Cryogenic Valves



Submersible Solenoids



Complex Valve Manifolds

POSITION



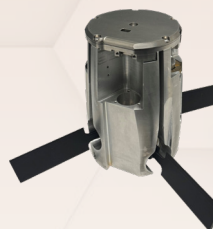
Miniature Actuation



Fin Actuation



Flight Surface Actuation



Integrated CAS

POWER ELECTRONICS

Marotta Controls' power electronics portfolio delivers optimized solutions for aerospace and defense applications. Our award-winning, patented power conversion systems are designed to reduce size, weight, and cost while providing unmatched performance and reliability in extreme environments.

From AC/DC and DC/DC power conversion to integrated power and miniaturized power distribution units for tactical applications, we create solutions that meet the most demanding requirements.

PRESSURE CONTROLS

Marotta is an industry leader in controlling flow and pressure with extensive experience in the aerospace, space and marine sectors and the world-wide standard in solenoid valve technology. Our wide range of flow control technologies include proportional controls, propulsion controls and advanced submarine and shipboard application systems that are qualified to the most stringent requirements.

POSITION

Marotta Controls delivers high-power-density electromechanical Control Actuation Systems (CAS) tailored for the rigorous demands of modern aerospace and weapons platforms. Our fully integrated electromechanical solutions are engineered to deliver rapid, precise, and reliable performance in extreme environments, including high-G and high-temperature conditions.