



CUSTOMER STORIES

MAGNET-ACTUATED VALVES FOR CRITICAL HYDRAULIC SYSTEMS PRESENT OEMS WITH METAL-JOINING CHALLENGES



Precision brazing solutions from Isabellenhütte satisfy a complex list of specifications to ensure high-integrity joinings

CHALLENGE

With safety and reliability as preeminent concerns, manufacturers of magnet-actuated valves for hydraulic applications typically have extensive and unique requirements for assembling their components. Exacting specifications demand unique materials—and joining methods.

SOLUTION

Isabellenhütte offers these customers an extensive range of brazing wires and rings that allows them manufacturing flexibility and delivers ultimate confidence in their joining processes. As they prepare their hard metal parts for automation, these customers can use ISA-BRAZE® wires and brazing rings to join or coat all kinds of steel, nickel alloys, and hard metals, as well as hard-to-join alloys such as chromium, molybdenum, or tungsten. ISA-BRAZE® is particularly advantageous in automated processes.

APPLICATION

Magnet-actuated valves used in hydraulic applications including, non-road vehicles, several civil aviation programs, and manufacturing/refinery