Applied Robotics™
Solutions in reach

COLLISION SENSOR FOR LASER-BEAM WELDING

Situation.

Laser-beam welding head, utilizing state-of-the-art micro-optics with laser diodes, attached to a robotic arm.

Problem defined.

A collision sensor is needed to protect expensive laser tooling and the robotic arm in the event of a collision. A high level of quality and reliability is needed to support the high-tech and highly sensitive application. Tooling is of considerable weight and the collision sensor must be able to support the heavy payload.

Solution in reach.

Applied Robotics' high quality QuickSTOP collision sensor protects expensive tooling and end effectors. QuickSTOP is dynamically variable with a regulated air supply that provides positive pressure to hold the unit rigid. In a collision, the air chamber seal is opened while the shut down signal is immediately sent to the robot controller.

Applied Robotics offers a family of Collision Sensors to accommodate different needs and applications. See your representative for further details. For more information on how our products can maximize your uptime, please call Applied Robotics at (800) 309-3475 or email us at info@arobotics.com visit us at www.appliedrobotics.com