

IMPORTANT NEWS

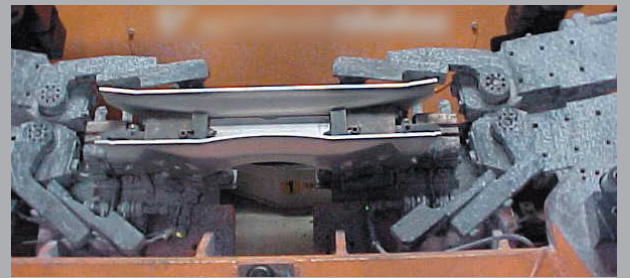
TRI-LOK CLAMPS PREFERRED IN LASER WELDING APPLICATIONS



BTM's Tri-Lok Clamps

It was announced at the recent German Industrial Forum for Technology in Weisbaden, Germany that new high technology laser and laser-hybrid welding procedures promise to revolutionize the assembly industry. Laser and laser-hybrid welding will accomplish this by improving quality, while at the same time reducing costs. These new technologies require extreme precision in work holding technology due to critical part location and minimal layer gap requirements. To compensate for reduced “disappearing” of material and “springing back” of high and ultra-high strength steels after the forming process, work holding devices must be of highest precision and must have fixed end stops. Several representatives of BTM Corporation recently attended this symposium and learned that many major manufacturers prefer solutions provider BTM Corporation for work holding products in laser and laser-hybrid welding applications.

The patented Tri-Lok mechanism, incorporated in BTM pneumatic power clamps, provides numerous solutions to the laser welding industry. First, the mechanism provides a natural internal stop, eliminating the need for expensive and space consuming external stops. Second, locating precision is guaranteed as the Tri-Lok mechanism delivers repeatability to within $0^{\circ} 3'$. Third, the mechanism will remain locked even if air pressure is lost, ensuring the parts stay in position. Fourth, the mechanism is sealed and lubricated for the life of the clamp, preventing weld contaminants from clogging the mechanism and eliminating the need for periodic service.



BTM's Tri-Lok Clamps in a laser welding operation

BTM manufactures a complete line of standard products used in the metal forming and fabricating industry. Standard products are utilized in work holding, clinching and piercing applications and include pneumatic power clamps, grippers, locators, air toggle presses and air/oil intensifying presses. These products can be integrated in a machine built by BTM, or by your favorite fixture builder. For more information on BTM Corporation's line of Tri-Lok Sealed pneumatic power clamps, or other solutions provided by BTM Corporation, please call (810) 364-4567, or visit us on line at www.btmcorp.com.

