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Magnetic Torch Collision Mount

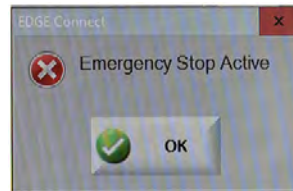
DESCRIPTION:

The KANO HD magnetic torch collision mount is used for both plasma and oxy-fuel torches. The mount is comprised of a (2) piece torch clamp, a series of powerful magnets attached to the magnet plate and a receiving plate for the magnets. The magnet plate includes a lanyard cable attached to the lifter frame to prevent the torch from falling away during a collision. If the torch experiences a collision in the X, Y or Z axis of motion, the connection between the magnet plate and the receiving plate is opened. Simultaneously, a switch sends a signal to the CNC to stop machine motion and the cutting process.

The machine operator reaching in to access the torch will break Photo-Eye E-Stop beam and places the machine in an E-stop mode. The machine operator resets the torch into the mount by replacing the magnet plate into the receiving plate. The CNC displays the "Emergency Stop Active" screen. To resume cutting, the operator presses the "System Enable" lighted button on the Mobile Operator Station console.

APPLICATIONS:

- Protection from metal "tip ups"
- Protection from torch damage during a crash
- Ensures consistent alignment after torch maintenance



Magnetic collision mount attached to receiving plate



Magnetic collision mount disconnected from receiving plate