

Automated Riveting System

In semi-trailer manufacturing, rivets must be consistently mashed to the correct tolerance to avoid errors such as weak joints, increased stress concentrations, and poor airtight seals. With traditional manual rivet mashing processes, consistent and precise rivet mashing can be a challenge, increasing the risk of error.

The Automated Riveting System uses Sytronix, a seamless blend of hydraulics and servo drives, to intelligently match the motor's speed to the machine's demands, resulting in unmatched precise and repeatable rivet mashing.



How It Works

1. A metal sheet moves along a conveyor where a punch press creates holes
2. Rivets are placed in each hole
3. The rivet mashing tool moves to each rivet and mashes them to the correct tolerance
4. The system smartly adjusts the pump's drive when not in use to save energy



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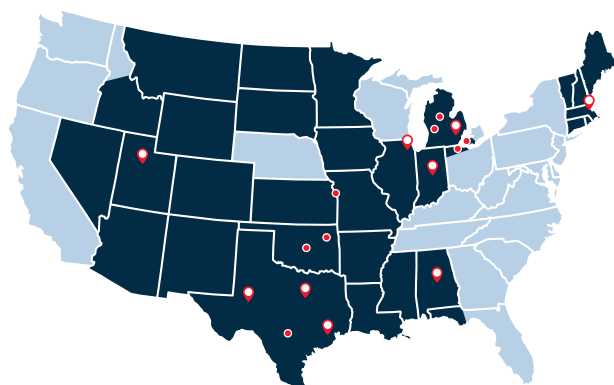
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