

ABSTRACT

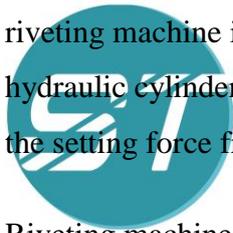
FABRICATION OF PNEUMATIC OPERATED RIVETING MACHINE

ABSTRACT

Riveting machines are used to automatically set (squeeze) rivets in order to join materials together. The riveting machine offers greater consistency, productivity, and lower cost when compared to manual riveting.

Automatic feed riveting machines include a hopper and feed track which automatically delivers and presents the rivet to the setting tools which overcomes the need for the operator to position the rivet. The downward force required to deform the rivet with an automatic riveting machine is created by a motor and flywheel combination, pneumatic cylinder, or hydraulic cylinder. Manual feed riveting machines usually have a mechanical lever to deliver the setting force from a foot pedal or hand lever.

Riveting machines can be sub-divided into two broad groups — impact riveting machines and orbital (or radial) riveting machines.



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CONTACT FOR FULL SYNOPSIS  **+91 7892151234**

#2232, 16TH B CROSS, SECTOR B, YELAHANKA NEW TOWN, BANGALORE-560064
Ph: +91 7892151234