

ABSTRACT

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*PIPE BRAZING MACHINE (For Copper Pipe with ϕ 1,8mm and ϕ 4,7mm)
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(xv + 60 + Appendices)

Pipe brazing machine is a machine having function to combine two copper pipes with diameter 1.7 mm and 4.8 mm with brazing process which has speed 40mm/s and uses tin as filler material. This machine consists of positioning guides, belt, roller, burner, gear, nozzle, and blower. This machines works through several stages; they are as follows : the first stage is two pipes that will be merged must go through pre-heating process. This phase has a purpose in order that the two pipes have no inner stress caused by sudden change of temperature. The second stage, pipe will pass through a nozzle. Here, the two pipes will be merged using brazing process. And the third stage is cooling by using blower. All will happen automatically by roll system.

BIBLIOGRAPHY (1953-2010)