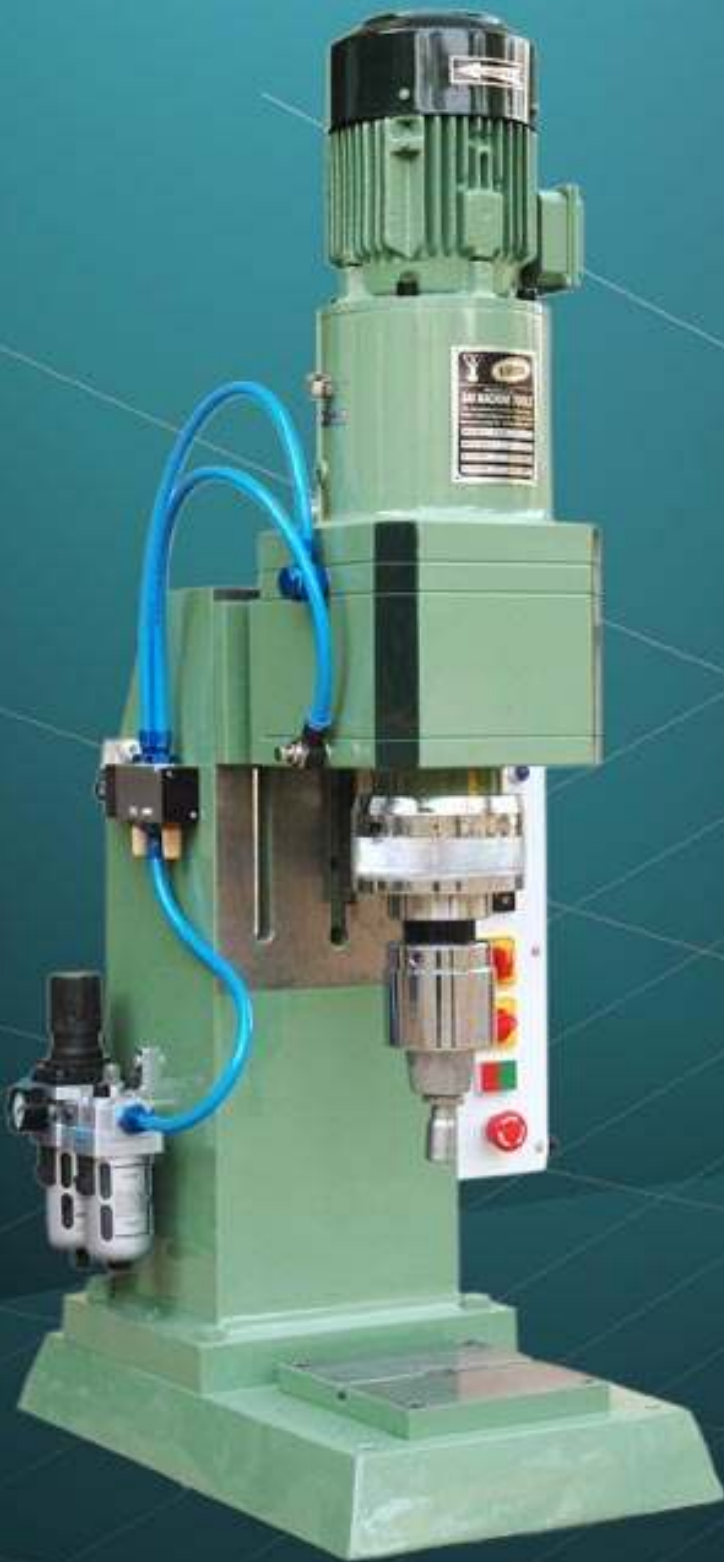


ULTRA

**SPIN
RIVETING
MACHINE**



SAI
**MACHINE
TOOLS**





Sai Machine tools has designed and developed spin riveting machines since over a decade. With systematic improvements in design, range and quality standards we provide machines which deliver consistent output. Ultra is a trusted name in the field with an ever expanding customer base in the engineering industry.

Having a number of advantages, Ultra spin riveting is the ideal choice over other riveting methods.

Spin riveting principle:-

In spin riveting the tool is mounted on a rotating spindle with the axis of tool fixed at an angle 3 to 6 degrees off the axis of the spindle. As the spindle rotates the tool orbits the spindle axis and transcribes the pattern of an inverted cone. The tool doesn't rotate on its own axis. The tool axis intersects the spindle axis at the working end of the tool and the orbiting tool presses on the rivet shank along a radial line that begins from the shank centre.

As the pressure is applied a flowing wave of material is formed ahead of the orbital tool to produce the desired shape.



Advantages of Ultra spin riveting machines :-

A wide range of Rivet Diameter (0.5 to 20 mm)

Even Grain flow of rivet material.

Considerably minimum stress on the rivet material.

Aesthetic finish of the rivet head.

Longer tool life

Quieter operation

Simple tooling and easy setup.



Auto Components



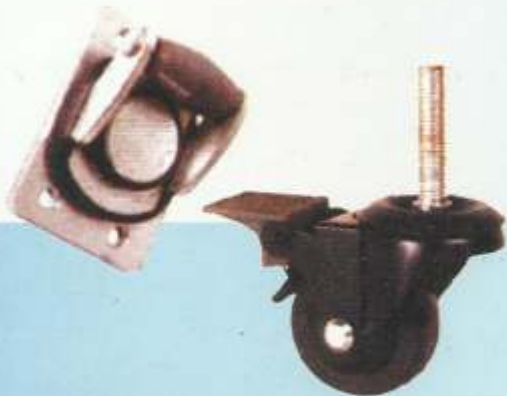
Hand Tools



Auto Electrical Components



Hardware



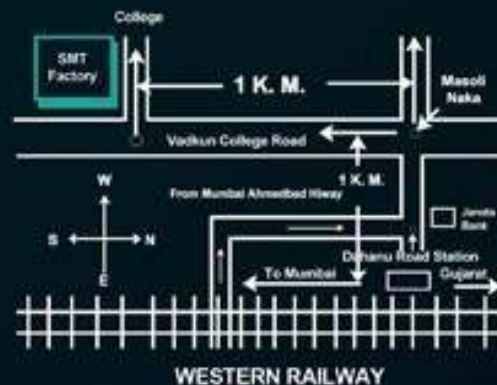
Castors / Rollers

*Chain Assembly
Fans
Surgical Instruments
Clutch / brake Liners
Doors / Windows
Trays / Sliding Doors
Bicycle Parts
Locks / Kitchen ware
Auto Electrical
Bakelite to metal assembly
Hand tools*

SAI MACHINE TOOLS

Technical Details

Riveting capacity shank dia in M.M.	Model	SRM-3	SRM-6	SRM-8	SRM-10	SRM-12	SRM-15	SRM-20
	M.S. Solid	0.5 to 3	3 to 6	4 to 8	5 to 10	6 to 12	8 to 15	10 to 20
	S. S. Solid	0.5 to 2	2 to 4	3 to 5.5	4 to 7	5 to 8.5	6 to 10	7 to 13
	Cu. Brass Solid	2 to 5	4 to 8	6 to 12	7 to 15	8 to 18	10 to 20	13 to 26
	Aluminum Solid	3 to 6	5 to 10	7 to 15	7 to 17	10 to 20	10 to 20	14 to 28
	Semi- Hollow M.S.	3 to 6	5 to 10	6 to 13	6 to 15	8 to 18	10 to 19	12 to 24
	Semi- Hollow Cu. Brass & Al	4 to 8	7 to 15	8 to 17	10 to 20	11 to 25	12 to 25	15 to 30
Throat Depth	135 m.m.	135 m.m.	150 m.m.	150 m.m.	175 m.m.	200 m.m.	200 m.m.	
Shat Height (Mix)	125 m.m.	150 m.m.	180 m.m.	200 m.m.	200 m.m.	225 m.m.	225 m.m.	
Stroke	40 m.m.	50 m.m.	60 m.m.	60 m.m.	60 m.m.	50 m.m.	50 m.m.	
Motor 415v	0.25 HP 0.18 KW	0.5 HP 0.375 KW	0.5 HP/0.55	0.5 HP/0.55	0.5HP 1.10 KW	2HP 1.50 KW	3HP 2.20 KW	
Actuation	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Hydro-Pneumatic	Hydro-Pneumatic	
Air Pressre kgf/cm2	3.to 7	3.to 7	3.to 7	3.to 7	3.to 7	3.to 7	3.to 7	
Adj. timing cycle (sec.)	0.to 9.9	0.to 9.9	0.to 9.9	0.to 9.9	0.to 9.9	0.to 9.9	0.to 9.9	



Manufactured by :

SAI MACHINE TOOLS

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