

Metal Gathering: Metal Gathering Machine is designed to obtain perfect "gain flow" of metal using technology of heating and up-setting force applied both simultaneously on work-piece. It gives uniform and flaw-less Gathering results.

These machines are employed for the production of wide range of head forming such as Hub, flange, collar and head, required in the manufacturing of parts like Engine Values, Flange Bolts, Tractor & heavy Vehicle Spanner etc.

Construction

- Type:** Hydraulic & Pneumatic
- Body:** The main frame of this machine is of heavy, rigidly reinforced welded steel plate construction.
- Transformer:** The transformer is build by special CRNO stamping and coils are wound of high quality cotton-glass insulated electrolytic copper. Finally it is varnished and dried in oven.
- Control:** The all functions of machine are running on electronic control panel the heating current is varied steplessly by thyristors.

TECHNICAL SPECIFICATION :

ITEM	UNIT	MODEL:- SMG 30	MODEL:- SMG 45	MODEL:- HMG 45
Supply Voltage	V	415±10%	415±10%	415±10%
KVA	KVA	30	45	45
Max. Diameter of Rod	mm	16	30	30
Max. Length of Rod	mm	500	750	750
Max. Diameter of Gathered Head	mm	40	80	80
Max. Length of gathered Head	mm	60	75	75
Max. Clamping Force	Kgf	85	85	1000
Max. Gathering Force	kgf	2100	4000	8000
Required Air Pressure	Kg / cm ²	6.5	5.5	--
Max. Air Consumption / Operation	l	260	450	--
Water Consumption	l/min	40	60	60
Suitable Supply Cable (Copper)	mm ²	25	35	35
Approximate Overall Diemensions. (W.D.H)	mm	1150, 1545, 2630	1150, 1545, 2760	1150, 1545, 2560
Approximate Weight	Kg	950	1100	1100

Key Feature :- Noise free enviroment friendly against oil furnaces and UP-Setters.

Sohal Welding Works

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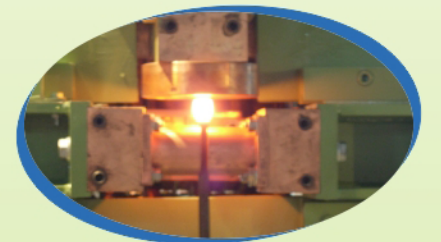
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Metal Gathering



SMG45

RESISTANCE HEATING AND UPSETTING MACHINE