

# Sohal

RESISTANCE HEATING AND UPSETTING MACHINE

## Metal Gathering



*Metal Gathering : Metal Gathering Machine is designed to obtain perfect "gain flow" of metal using topology 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 Valves, Flange Bolts, Track Spanner etc.*

### Construction

- Type :** Actuated by pneumatic and electric.
- Body :** The main frame of this machine is of heavy, rigidly reinforced welded steel plate construction.
- Transformer :** The transformer is built by special CRU 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.

ITEM	UNIT	MODEL:- SMG 30	MODEL:- SMG 45
Supply Voltage	V	415 ±10%	415 ±10%
KVA	KVA	30	45
MAX. DIAMETER OF ROD	mm	16	30
MAX. LENGTH OF ROD	mm	500	750
MAX. DIAMETER OF GATHERED HEAD	mm	40	80
MAX. LENGTH OF GATHERED HEAD	mm	60	75
MAX. CLAMPING FORCE	Kgf	85	85
MAX. GATHERING FORCE	Kgf	2100	4000
REQUIRED AIR PRESSURE	Kg / cm <sup>2</sup>	6.5	5.5
MAX. AIR CONSUMPTION / OPERATION	l	260	450
WATER CONSUMPTION	l/min	40	60
SUITABLE SUPPLY CABLE (COPPER)	mm <sup>2</sup>	25	35
APPROXIMATE OVERALL DIEMENSIONS. (W.D.H)	mm	1150,1545,2630	1150,1545,2760
APPROXIMATE WEIGHT	Kg	950	1100

## Sohal Electric Works

13243, Link Road, Chowk Dholewal, Ludhiana - 141003 (PB.).  
 Phone : +91-161-2532255 Fax : +91-161-2531116 Web : www.sohal.org Email : mail@sohal.org

\* Note: In view of modifications, All specification are subjected to change without prior notice. [Pajab323.com](http://Pajab323.com) (+91-98726-88777)

Oct 2006