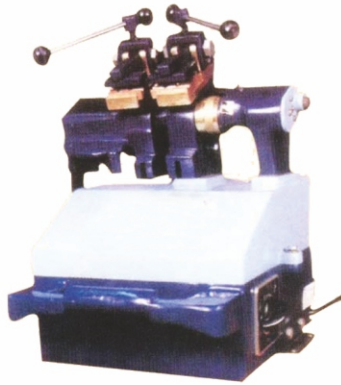




ISO 9001 : 2015
CERTIFIED COMPANY

SHREEJI

WELD INDUSTRIES



SOME APPLICATIONS



WIRE BUTT WELDING MACHINE

SHREEJI WELD have pleasure in introducing, for the benefit of the entire wire and cable processing industry, as well as metal working industry a new series of efficient machines for butt welding of all profile wires of Iron, Steel, Alloy and Carbon Steel, Copper, Aluminium, Brass and other light metals and their alloys.

These machines are designed as portable models mounted on a moveable stand with foot operation. They are constructed with particular regard for quick and easy operation; the settings for electrode spacing and upsetting pressure are calibrated directly for the different wire size to be welded. The welding process being automatic permits even unskilled work man to operate the machine faultlessly, and ensures uniform welds of high tensile strength, capable of withstanding subsequent drawing.

Depending upon the material to be welded and the size of wire 4 different models are available one model for iron and mild steel wires, one model for alloyed steel and carbon steel wires, and two models for copper, brass, Aluminium and light alloy wires. All machines are equipped with annealing facility.

WELDING DATA

TYPE OF MACHINE		WBW-28	WBW-28C	WBW-14	WBW-256
MATERIALS TO BE WELDED		Iron and Steel	Alloyed Steel & Carbon Steel	Copper, Brass Aluminium	Copper, Brass Aluminium
WELDING RANGE - WIRE DIA. (APPROX)					
(a) Steel with less than 0.5%C	unalloyed (mm)	2-8	2 - 8	1 - 5	3 - 8
(b) Steel with 0.5 - 1%C	alloyed (mm)	--	2 - 8	--	--
(c) Copper	(mm) values	2-3	--	1 - 4	2.5 - 6
(d) Aluminium light metal	(mm) alloyed	3-5	--	1.5 - 6	4-7

We Also Manufacture : Arc Welders, Spot Welders, Butt Welders, Argon Arc Welders, Seam Welders, Pneumatic, Pedal Operated, Table Mounted, Portable and Resistance Heating Equipments.

WIRE BUTT WELDING MACHINE

WELDING PROCESS : The welding operation of these machines is automatic and all settings are easily effected. The electrode spacing is adjusted on a lever set against a plate calibrated for wire diameter. The upsetting pressure is adjusted by means of a dial calibrated for wire diameter. and the welding current is selected by a rotary switch.

The wires to be joined should first be cut straight, exactly at right angles and free from burrs. The wire ends are then rigidly clamped by spring loaded clamping devices which can be opened singly or together by foot pedals. Both the hands of the operator are free for inserting the wires. Releasing the foot pedals leaves the wires clamped under adequate pressure. By depressing a push button, the welding cycle is initiated and completed automatically by built-in controls. Weld completed, the job is declamped and annealed if necessary, in the separate annealing electrodes provided.

SPECIFICATIONS:

TYPE	:	Automatic Wire Butt Welding Machine type WBW, designed as portable models on moveable trolley stand, with spring loaded clamping devices, and foot pedal release.
CONSTRUCTION	:	Main body, housing the welding transformer, fixed and moveable platens, constructed from light alloy.
UPSET TRAVEL	:	Moveable platen travel on two parallel guides of precision design and construction, ensuring accurate and frictionless travel and perfect alignment of the weld.
UPSET PRESSURE	:	Provided by precision spring, acting on the movable platen.
CLAMPS	:	Spring loaded copper alloy clamps, of precision quick acting design ensure firm preset clamping pressure Each clamp is released by individual foot pedal.
ELECTRODES	:	Special wear resisting copper alloy electrodes provided with precision V-grooves for different wire sizes permit rapid and accurate alignment of wires
ADJUSTMENT OF WELDING CURRENT	:	Rotary switch, mounted on side permits, easy manipulation of the welding current from 50% -100% in 6 steps.
VARIATION OF INITIAL UPSET GAP	:	Obtained by the adjustment of a level set against a calibrated plate mounted on the moveable platen.
ADJUSTMENT OF UPSET PRESSURE	:	Obtained by means of an adjustable calibrated mounted on the fixed platen .
WELD CURRENT INITIATION AND CUT OFF	:	Automatic, current make and break via magnetic contactor, incorporated. Current initiation effected by a manual push button fitted on one side of the fixed platen and current cut off affected automatically in relation to the preset upsetting distance.
ANNEALING FACILITY	:	Separate annealing electrodes for annealing of the welded wire provided.
TROLLEY TYPE STAND	:	Each machine is mounted on a wheeled trolley type stand provided with brakes.

TECHNICAL SPECIFICATIONS:

Model:	WBW-5	WBW-8	WBW-10	WBW-12	WBW-20
Max. Rating (KVA):	5	8	10	12	20
Duty Cycle at Max. Rating:	2%	0.73%	0.73%	0.56%	0.45%
Input Volts:	400	400	400	400	400
Frequency (Hz):	50	50	50	50	50
Phase:	1	1	1	1	1
Fuse Rating:	10	10	10	15	15
Net Weight with movable stand:	57	64	64	64	64
Dimensions with movable stand (mm):	915 x 685 x 1120	915 x 685 x 1120	915 x 685 x 1120	915 x 685 x 1120	915 x 685 x 1120
WELDING DATA					
Material to be welded:	Iron, Steel	Alloy Steel and Carbon Steel	Alloy Steel and Carbon Steel	Copper, Brass	Light Alloys
Welding Range - wire diameter (mm):	Steel with less than 0.5% C, unalloyed	2 - 8	2 - 10	1 - 5	3 - 8
	Steel with 0.5 to 1% C, alloyed	--	2 - 8	--	--
	Copper	2 - 3	--	1 - 4	2.5 - 6
	Aluminium Light Metal	3 - 5	--	1.5 - 6	4 - 7



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