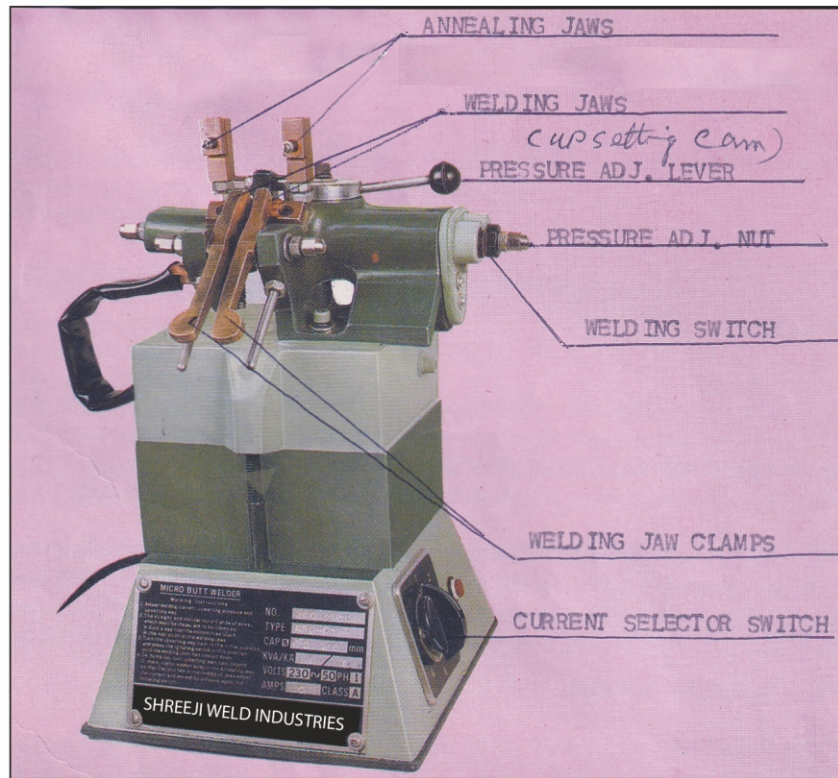




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SHREEJI

WELD INDUSTRIES



MICRO BUTT WELDERS

A NEW PRODUCT :

SHREEJI WELD now introduces for the benefit of the entire wire processing industry a new series of MICRO BUTT WELD machines specially designed for butt welding of ferrous and non – ferrous wires in the range of 0.3 to 3.8 mm dia. With stand subsequent drawing. These machines are designed as table models and constructed with particular regard easy operation. The automatic welding process guarantees high tensile and uniform welds, depending upon the mate to be welded and the size of wires, nine different models are available four models for the welding of iron, steel and nick wires and five models for the welding of copper, brass, bronze and Aluminium wires. Shearing device and illumine magnifier are available as standard optional extras.

WELDING PROCESS :

These MICRO BUTT WELDERS are automatic up-set BUTT WELDING MACHINES. The ends of wires to be joined are 'prepared' the special shearing attachment provided. The welding current and the initial up-set gap are set according to the size wire, the up-setting pressure being pre-set at works. The wire ends are then rigidly clamped by special quick acting clan and viewed through an illuminated magnifying glass provided to ensure correct alignment of the wire ends. By depress a push button, the butt welding cycle is initiated and completed automatically by built-in controls. Weld completed, the job is now declamped and annealed if necessary in the annealing device provided.

MACHINE TYPE	SMBW 31	SMBW 515	SMBW 720	SMBW 825	SMBW 0308	SMBW 0515	SMBW 825C	SMB 20 825CC	SMBW 153
Material to be welded	IRON STEEL NICKEL	IRON STEEL NICKEL	IRON STEEL NICKEL	IRON STEEL NICKEL	COPPER BRASS BRONZE ALUMINIUM	COPPER BRASS BRONZE ALUMINIUM	COPPER HICARBON ALUMINIUM MILD STEEL	IRON STEEL NICKEL COPPER BRASS ALUMINIUM HIGH CARBON	IRON STEEL NICKEL COPPER BRASS ALUMINIUM HIGH CARBON
Welding mm	0.30 – 1.0	0.50 – 1.50	0.7 – 2.0	0.80 – 2.50	0.30 – 0.80	0.50 – 1.50	0.8 – 2.5	1-3	1.5 – 3.8

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

MICRO BUTT WELDERS

SPECIFICATIONS -

TYPE	Precision Micro-Wire Butt Welding Machines, designed as table models.
CONSTRUCTION	The main body housing the welding transformer, fixed and moveable platens, is constructed from Aluminium casting.
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 a precision spring action on the moveable platen, recalibrated at works.
CLAMPS	Copper alloy clamps of precision quick acting design ensure fixed clamping of wires.
ELECTRODES	Special wear resisting copper alloy electrodes provided with precision V groves, permit rapid and accurate alignment of wires.
ADJUSTMENT OF WELDING CURRENT	8 position rotary switches, mounted in front permits easy manipulation of the welding current in 8 steps.
VARIATION OF INITIAL UPSET GAP	Obtained by setting of a calibrated cam mounted on the fixed platen and acting on the stop fitted on the moveable platen.
CURRENT INITIATION	Effected by a manual push button fitted on one side of the fixed platen.
WELD CURRENT CUT OFF	Effected automatically in relation to the preset upsetting distance.
MAGNIFYING GLASS & LAMP ASSEMBLY	Available as standard optional extra, to ensure correct spacing of the wire ends and proper overhang from the electrodes. The entire assembly, mounted on a vertical post at the rear of the machine, can be moved up and down and swiveled.
ANNEALING FACILITY	Separate annealing electrodes for annealing of the welded wire provided.
SHEARING UNIT	Shearing attachment to prepare the wire ends in the range specified, available as standard optional extra.
TROLLEY TYPE STAND	Wheeled trolley available as optional extra.

TECHNICAL SPECIFICATIONS -

MACHINE TYPE	SMBW 31	SMBW 515	SMBW 720	SMBW 825	SMBW 0308	SMBW 0515	SMBW 825C	SMB20 825CC	SMBW 153
NOMINAL ELECTRICAL									
KVA RATINGS	1	1	1	1	1	1	3	4	5
INPUT VOLTS	230	230	230	230	230	230	230	230	400
FREQUENCY	50	50	50	50	50	50	50	50	50
PHASE	1	1	1	1	1	1	1	1	2
FUSE RATING	6	6	6	6	6	6	13	15	16
OUTPUT CURRENT									
SELECTOR STEPS	8	8	8	8	8	8	8	8	8
SHEARING ATTACHMENTS FOR RANGE DIA.	0.30-1.20	0.50 -1.5	0.70 – 2.0	1.70 – 2.5	0.30 – 0.80	0.5 – 1.5	0.8 – 2.5	1-3	1.5 – 3.8
OVERALL DIMENSIONS	21.3 × 19.3 × 35	21.3 × 19.3 × 35	21.3 × 19.3 × 35	21.3 × 19.3 × 35	21.3 × 19.3 × 35	21.3 × 19.3 × 35	21.3 × 19.3 × 35	22 × 20 × 38	24 × 30 × 45
NETT WEIGHT (KGS.)	15.5	15.5	15.5	15.5	15.5	15.5	15.5	22	35



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