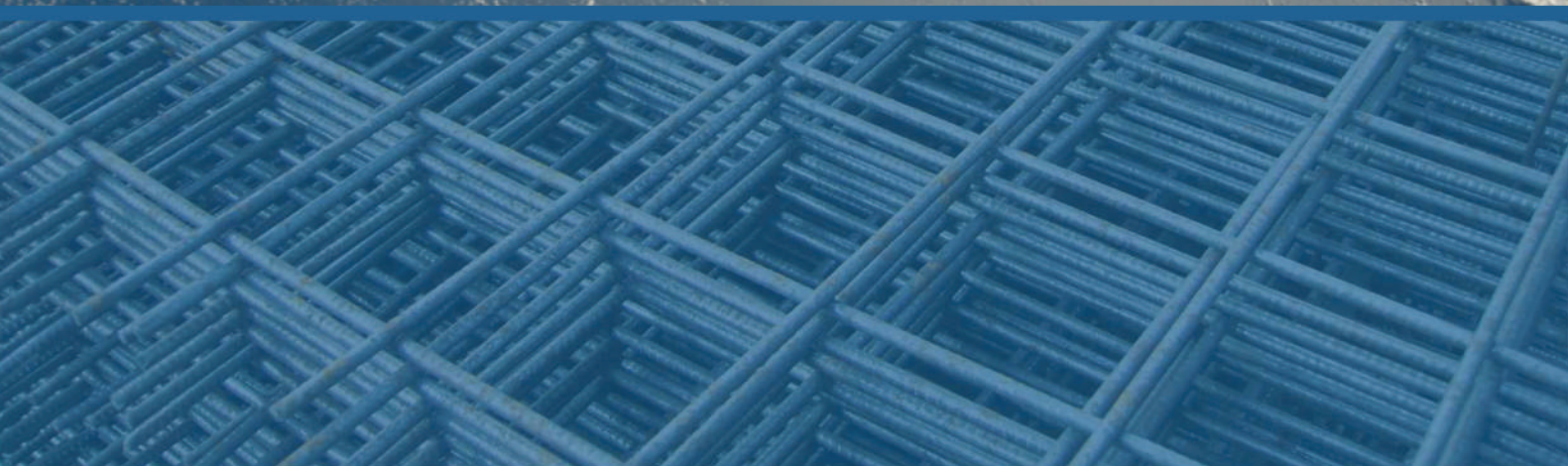




CJSC "Pskovelectrosvar"



Concern "INTERSVAR"



SPOT, PROJECTION, SEAM, BUTT COLD AND ARC WELDING MACHINES

WELDING MACHINES FOR REINFORCING MESH

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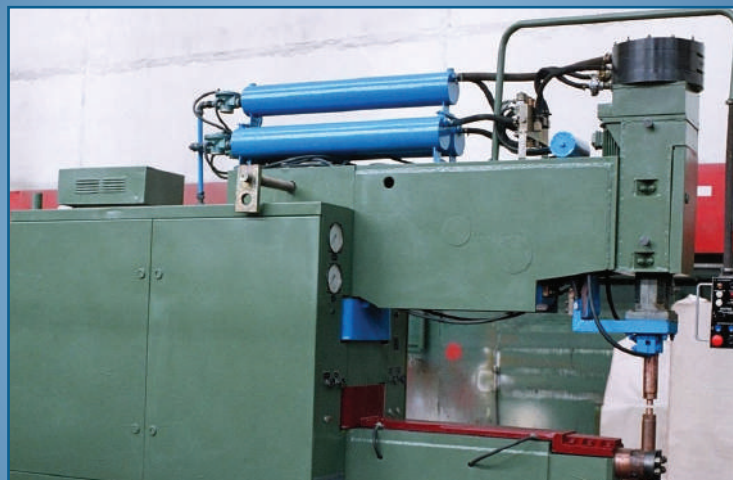
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Resistance spot welding machine by direct (rectified) current MTB-80.02-1



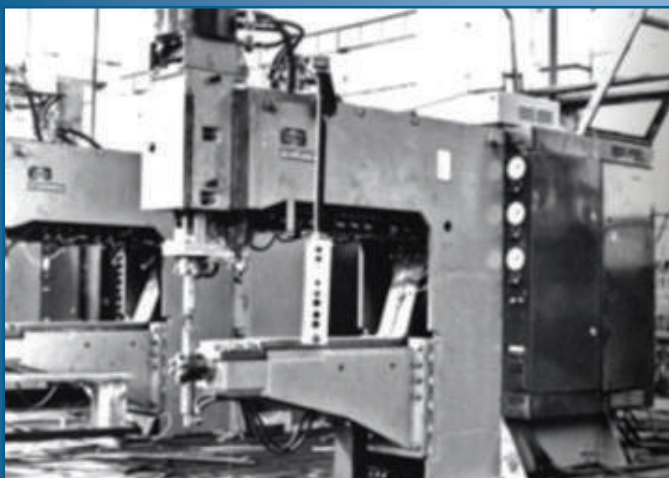
Machine MTB-80.02-1 is designed for spot welding by direct (rectified) current of various parts, including large ones, super duty products such as shell rings, trusses and other supporting structures. Maximum dimensions of welded parts are determined by electrodes stick-out, span of welding contour and upper electrode stroke.

The machine construction allows using it in all industrial spheres for aluminum and titanium alloys welding, stainless, heat resistant and carbon steels, as well as some grades of brass and bronze.

The machine is equipped with programmable microprocessor control unit.

| TECHNICAL DATA | | |
|--|--|----------------------------------|
| CHARACTERISTIC | | VALUE |
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Max. secondary current, kA | | 95 |
| Max. duration of welding current, s | | 15,84 |
| Welding transformer power at duty cycle=50%, kVA | | 454 |
| Rated electrode stick-out, m | | 1,5 |
| Rated span, m | | 0,6 |
| Gripping force, daN (kgf) | min. | 220 |
| | max. | 7 200 |
| | rated | 6 300 |
| Welded parts thickness, mm | from aluminum alloys | from 0,5 + 0,5 up to 4,5 + 4,5 |
| | from stainless, heat resistant and titanium alloys | from 0,5 + 0,5 up to 6,0 + 6,0 |
| | from carbon steels | from 1,0 + 1,0 up to 19,0 + 19,0 |
| Min. internal diameter of shell rings, mm | at length up to 650 mm | 650 |
| | at length up to 1 500 mm | 1 100 |
| Max. short term performance for welding parts from aluminum alloys with thickness 1,5 + 1,5 mm at electrode stroke 8 mm, welds/min | | 60 |
| Dimensions, mm (length x width x height) | | 3 850 × 1 170 × 3 235 |
| Mass, kg | | 7 200 |

Resistance spot welding machine by direct (rectified) current MTB-100.01

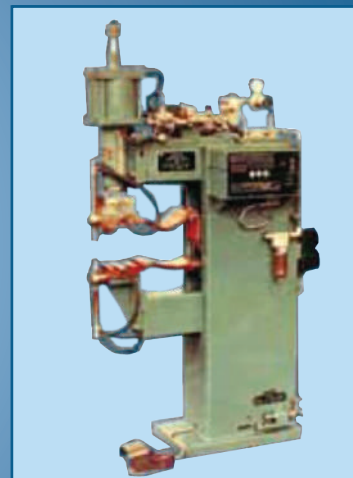
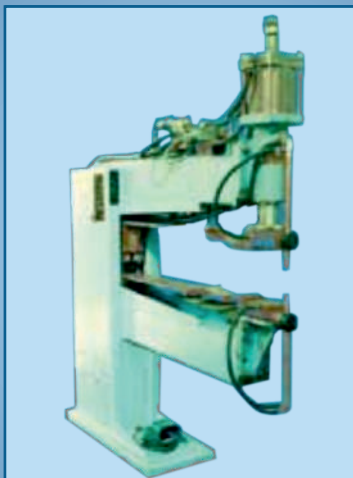


Machine MTB-100.01 is designed for spot welding by direct current of large super duty parts from aluminum, titanium and copper alloys, heat resistant, stainless and low carbon steels.

The machine is equipped with programmable microprocessor control unit.

| TECHNICAL DATA | | |
|---|---|--------------------------------|
| CHARACTERISTIC | | VALUE |
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Rated continuous secondary current, kA | | 36 |
| Max. power at short circuit, kVA | | 655 |
| Rated electrode stick-out, m | | 1,5 |
| Rated span, m | | 0,6 |
| Gripping force, daN (kgf) | min. | 220 |
| | rated | 6 300 |
| | max. | 7 200 |
| Upper electrode stroke | operational | 20 |
| | additional | 200 |
| Welded parts thickness, mm | from aluminum alloys | from 0,5 + 0,5 up to 4,5 + 4,5 |
| | from titanium alloys, stainless and heat resistant steels | from 0,8 + 0,8 up to 6,0 + 6,0 |
| | from low carbon steels | from 1,0 + 1,0 up to 8,0 + 8,0 |
| | from copper alloys (brasses) | from 0,5 + 0,5 up to 5,0 + 5,0 |
| Min. internal diameter of welded shell ring, mm | at length up to 650 mm | 650 |
| | at length 1 500 mm | 1 100 |
| Max. short term performance for welding parts from aluminum alloys with thickness 1,5 + 1,5 mm and electrode stroke 8 mm, welds/min | | 60 |
| Dimensions, mm (length x width x height) | | 4 200 × 1 150 × 3 200 |
| Mass, kg | | 6 600 |

Spot welding machines MT-12.02, MT-12.02-1



Machines MT are designed for resistance spot welding of parts from low carbon and stainless steels, cruciform joints of steel rods.

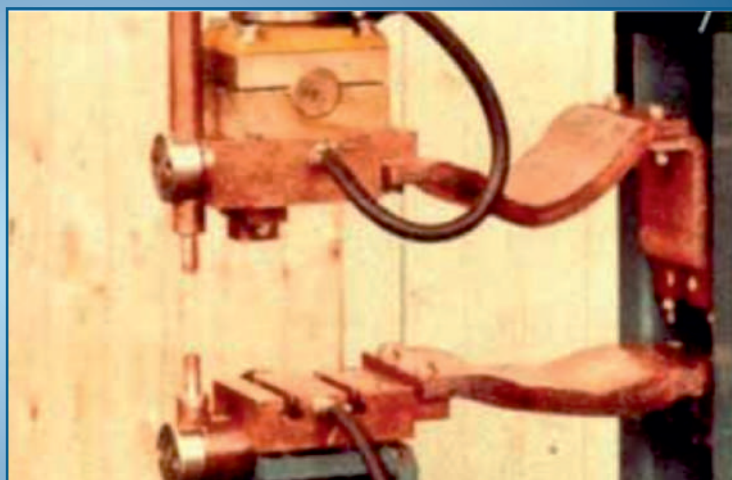
The machine MT-12.02 has foot power to supply pressure and used in industrial facilities without compressed air systems.

All machines weld parts from alloyed and heat resistant steels, aluminum and titanium alloys, brasses, bronze and other conductor materials.

Range of welded thicknesses depends on requirements to welded joints for certain products.

| TECHNICAL DATA | | | |
|---|---------------------|---------------------|------------|
| CHARACTERISTIC | | VALUE | |
| | | MT-12.02 | MT-12.02-1 |
| Rated supply main voltage of 3-phase AC, V | | 380 | 380 |
| Supply main frequency, Hz | | 50 | 50 |
| Rated continuous secondary current, kA | | 4 | 4 |
| Welding transformer power at duty cycle=50%, kVA | | 32 | 32 |
| Rated span, mm | | 250 | 250 |
| Max. upper electrode stroke, mm | | 45 | 45 |
| Electrodes stick-out, mm | max. | 200 | 200 |
| | min. | 400 | 400 |
| Max. vertical electrodes disposition, mm | vertical | 2 | 2 |
| | mutual | 0,5 | 0,5 |
| Rated gripping force, daN (kgf) | at stick-out 400 mm | 300 | 400 |
| | at stick-out 200 mm | 540 | 750 |
| Max. thickness of welded parts from low carbon steel, mm | at stick-out 400 mm | 2,5 + 2,5 | 2,5 + 2,5 |
| | at stick-out 200 mm | 3,0 + 3,0 | 3,0 + 3,0 |
| Max. thickness of welded parts from stainless steel, mm | at stick-out 400 mm | 1,0 + 1,0 | 1,0 + 1,0 |
| | at stick-out 200 mm | 2,0 + 2,0 | 2,5 + 2,5 |
| Max. thickness of welded parts from reinforcing wire, mm | at stick-out 400 mm | Ø 6 + Ø 6 | Ø 6 + Ø 6 |
| | at stick-out 200 mm | Ø 8 + Ø 8 | Ø 8 + Ø 8 |
| Performance for welding parts from low carbon steels with thickness 2 + 2 mm, welds/min | | 20 | 50 |
| Dimensions, mm (length x width x height) | | 1 120 × 300 × 1 330 | |
| Mass, kg | | 180 | 200 |

Resistance spot welding machines MT-17.01, MT-18.61, MT-19.61, MT-22.21, MT-23.61, MT-26.62



Machines MT, MTP are designed for resistance spot welding of parts from low carbon and stainless steels, cruciform joints of steel rods.

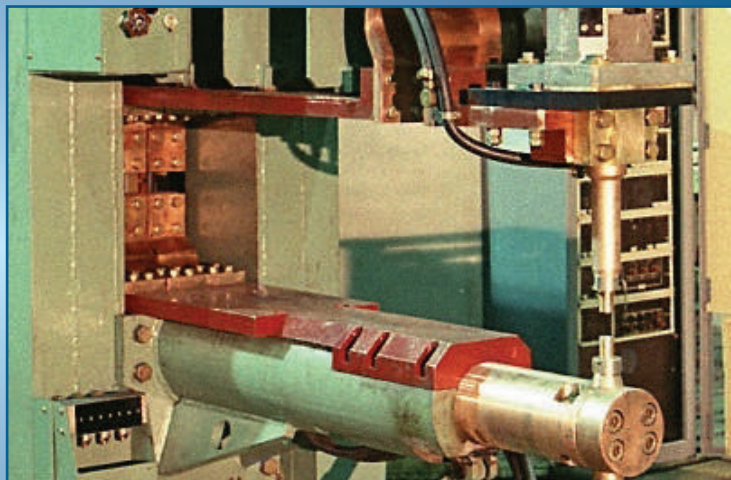
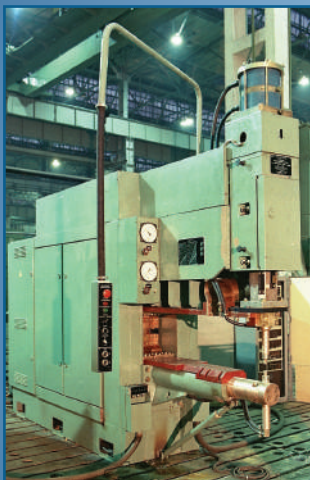
steels, aluminum and titanium alloys, brasses, bronze and other conductor materials.

Range of welded thickness depends on requirements to welded joints for certain products.

All machines weld parts from alloyed and heat resistant

| TECHNICAL DATA | | | | | | |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| CHARACTERISTIC | VALUE | | | | | |
| | MT-17.01 | MT-22.21 | MT-19.61 | MT-26.62 | MT-18.61 | MT-23.61 |
| Rated supply main voltage of 3-phase AC, V | 380 | 380 | 380 | 380 | 380 | 380 |
| Supply main frequency, Hz | 50 | 50 | 50 | 50 | 50 | 50 |
| Max. secondary current, kA | 17 | 22 | 19 | 26 | 18 | 23 |
| Welding transformers power at duty cycle=50%, kVA | 40 | 63 | 40 | 63 | 40 | 63 |
| Max. force, daN (kgf) | 630 | 630 | 900 | 900 | 900 | 900 |
| Stick-out / span, mm | 500 | 500 | 800 | 800 | 1 200 | 1 200 |
| Welded thicknesses, mm, from – up to: | | | | | | |
| Low carbon steel | 0,5 + 0,5 - 3,0 + 3,0 | 0,8 + 0,8 - 4,0 + 4,0 | 0,5 + 0,5 - 3,0 + 3,0 | 0,8 + 0,8 - 4,0 + 4,0 | 0,5 + 0,5 - 3,0 + 3,0 | 0,8 + 0,8 - 4,0 + 4,0 |
| Stainless steel | 0,3 + 0,3 - 1,5 + 1,5 | 0,4 + 0,4 - 2,0 + 2,0 | 0,3 + 0,3 - 1,5 + 1,5 | 0,4 + 0,4 - 2,0 + 2,0 | 0,3 + 0,3 - 1,5 + 1,5 | 0,4 + 0,4 - 2,0 + 2,0 |
| Reinforcing mesh diameter, mm, from – up to | 4,0 + 4,0 - 16,0 + 16,0 | 6,0 + 6,0 - 20,0 + 20,0 | 4,0 + 4,0 - 16,0 + 16,0 | 6,0 + 6,0 - 20,0 + 20,0 | 4,0 + 4,0 - 16,0 + 16,0 | 6,0 + 6,0 - 20,0 + 20,0 |
| Dimensions, mm (length x width x height) | 1 200 x 500 x 2 000 | | 1 600 x 470 x 2 200 | | 2 100 x 470 x 2 200 | |
| Mass, kg | 500 | 520 | 528 | 548 | 577 | 611 |

Low frequency resistance spot welding machine MTH-100.01



Machine MTH-100.01 is designed for resistance spot welding by low frequency current of super duty parts from aluminum, heat resistant and titanium alloys, corrosion resistant, low alloyed and carbon steels.

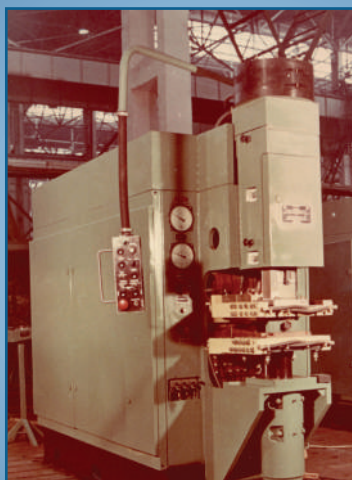
In comparison with similar DC machines, the machine MTH-100.01 allows reducing power consumption in 1,5

times using current of lower frequency.

The machine is equipped with programmable microprocessor controller unit which provides wide range of welding variables, indication of current value and clamping force.

| TECHNICAL DATA | | |
|--|---|----------------------------------|
| CHARACTERISTIC | | VALUE |
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Rated continuous secondary current, kA, not less | | 20 |
| Rated stick-out, mm | | 1 250 |
| Max. duration of one impulse of welding current at the last stage, s | | 0,14 |
| Max. short term performance, welds/h | | 3 600 |
| Power at duty cycle=50%, kVA | | 112 |
| Electrode stroke, mm | operational | 30 |
| | additional | 20 |
| Gripping force, daN | max. | 5 100 |
| | min. | 200 |
| Recommended range of thickness, mm | from aluminum alloys | from 0,5 + 0,5 up to 4,5 + 4,5 |
| | from titanium alloys, stainless and heat resistant steels | from 0,6 + 0,6 up to 4,0 + 4,0 |
| | from low carbon steels | from 1,0 + 1,0 up to 10,0 + 10,0 |
| Machine drive | | pneumatic |
| Dimensions, mm (length x width x height) | | 4 000 × 850 × 3 100 |
| Mass, kg | | 6 800 |

Low frequency resistance projection welding machine MPH-340.01



Machine MPH-340.01 is designed for resistance projection welding of single and group parts (e.g., at lists thickness 2 + 2 mm from low carbon steels, the projection number is up to 20 with arranging them in the circle with diameter up to 200 mm), welding of hard-alloyed plates for cutting instrument, simultaneously welding of nets, as fridge shelves, from several rods, welding of single

reinforcing bars of diameter up to 30 mm, compound gears on projection of diameter up to 30 mm, hoses of diameter up to 80 mm and rods of diameter up to 60 mm to sheet and other parts such as axles and gears.

The machine provides welding parts from aluminum and titanium alloys, heat resistant and stainless steels of different design.

| TECHNICAL DATA | | |
|--|-----------------|-----------------------|
| CHARACTERISTIC | | VALUE |
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Rated continuous secondary current, kA, not less | | 28 |
| Rated stroke, mm, not less | | 500 |
| Gripping force, daN | min. | 200 |
| | max. | 7 200 |
| | rated | 6 300 |
| Span (distance between plates), mm | rated, not more | 50 |
| | max., not less | 400 |
| Plates dimensions, mm | upper | 400 x 325 |
| | low | 400 x 385 |
| Allowance of plates contact surfaces parallelism, mm | | 0,4 |
| Short term performance of upper plate stroke per minute, welds/h, not less | | 60 |
| Dimensions, mm (length x width x height) | | 3 200 × 1 100 × 2 600 |
| Mass, kg | | 8 000 |

Resistance projection welding machine of brake shoes MP-14.01, MP-14.02, MP-14.03, MP-14.03, MP-14.05, MP-14.06



Machine MP are designed for projection welding of rim with rib during car brake shoes manufacturing.

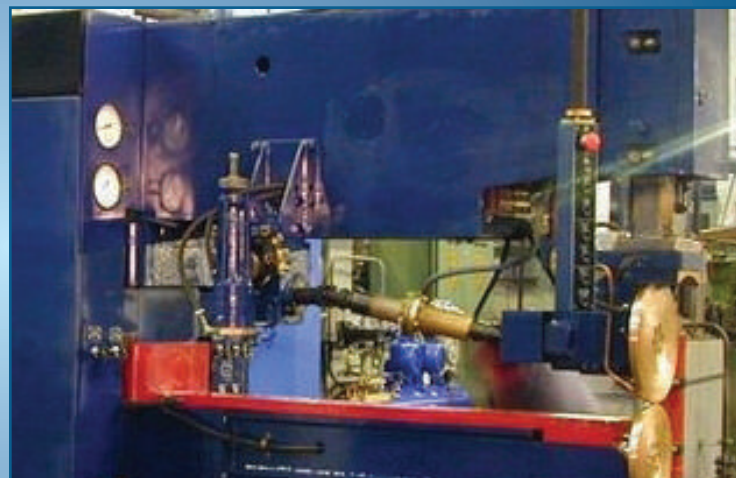
The machines have computerized rib and rim from bunkers, rib and rim assembly, rim forming with it welding

to rib and discharging of ready made goods.

Additional loading of bunker is performed without machine switching off (stopping).

| CHARACTERISTIC | TECHNICAL DATA | | | | | |
|--|-----------------------|--------------------------------|-------------------------------|-----------------|----------------------|---------------------|
| | VALUE | | | | | |
| | MP-14.01 ИЖ-2126 | MP-14.02 БАЗ 2101 - 2107 | MP-14.03 БАЗ 2108, 2109 | MP-14.04 УАЗ | MP-14.05 «Газель» | MP-14.06 «Волга» |
| Rated supply main voltage of 3-phase AC, V | 380 | 380 | 380 | 380 | 380 | 380 |
| Supply main frequency, Hz | 50 | 50 | 50 | 50 | 50 | 50 |
| Rated continuous secondary current, kA, not less | 14 | 14 | 14 | 14 | 14 | 14 |
| Max. consumable power at welding, kVA, not more | 370 | 370 | 370 | 370 | 370 | 370 |
| Performance, pcs/h | 600 | 520 | 600 | 520 | 520 | 520 |
| Technical usage ratio | 0,9 | 0,9 | 0,9 | 0,9 | 0,9 | 0,9 |
| Rhythm of welded parts output, s | 6 | 7 | 6 | 7 | 7 | 7 |
| Quantity of welded projections on a part, pcs | 7 | 9 | 6 | 9 | 9 | 8 |
| Welded parts thickness, mm | 3 - 3,5 | 2 - 4 | 2 - 4 | 3 - 4 | 3 - 5 | 3 - 3,8 |
| Rated gripping force of electrodes, daN (kgf) | 800 | 800 | 800 | 800 | 800 | 800 |
| Cooling water consumption, m ³ /h, not more | 2,46 | 2,46 | 2,46 | 2,46 | 2,46 | 2,46 |
| Compression air discharge, m ³ /h, not more | 3,5 | 3,5 | 3,5 | 3,5 | 3,5 | 3,5 |
| Dimensions, mm (length x width x height) | 2 500 x 2 500 x 3 000 | | | | | |
| Mass, kg | 5 000 | 5 000 | 5 000 | 5 000 | 5 000 | 5 000 |

Resistance seam welding machine by direct current MШB-80.01

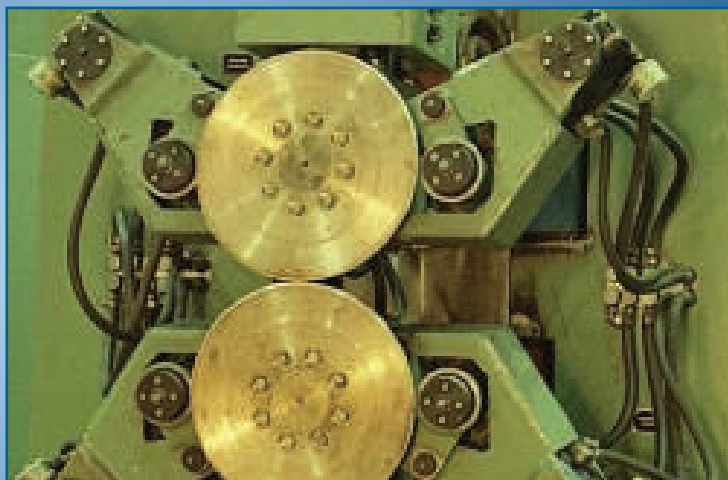
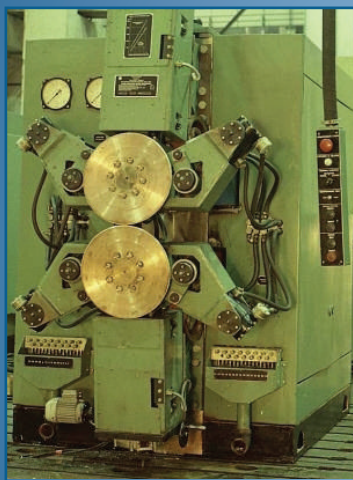


Machine MШB-80.01 is designed for step seaming welding by direct current with pressure tight and firm seam of light and titanium alloys, non-ferrous metals, heat resistant, stainless and low carbon steels.

The machine welds lateral and transverse seams by step rollers rotation. Rectifying of current is made by 3-phase one semi period scheme at low voltage side of welding transformer with the help of silicon valves.

| TECHNICAL DATA | | |
|---|------------------------------------|--------------------------------|
| CHARACTERISTIC | | VALUE |
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Max. secondary current, kA | | 95 |
| Consumable power, kVA, not more | | 600 |
| Rated electrodes stroke, m | | 1,5 |
| Rated span, m | | 0,14 |
| Rolls rotary step, mm | | 1 - 10 |
| Gripping force, daN (kgf) | min. | 200 |
| | rated | 3 200 |
| | max. | 4 600 |
| Welded parts thickness, mm | from aluminum and other alloys | from 0,5 + 0,5 up to 3,0 + 3,0 |
| | from low carbon alloys | from 1,5 + 1,5 up to 6,0 + 6,0 |
| Machine performance, steps/min | min. (at max. thickness and steps) | 10 |
| | max. (at min. thickness and steps) | 200 |
| Min. internal diameter of welded shell ring, mm | at length 1 000 mm | 380 |
| | at length 1 500 mm | 800 |
| Dimensions, mm (length x width x height) | | 3 970 × 1 250 × 3 100 |
| Mass, kg | | 7 000 |

Resistance seam welding machine by direct current МШВ-63.03



Machine МШВ-63.03 is designed for seam welding by direct current of structures, assembled by flanging welding, among them fuel and hydro tanks, panel radiator and other products, the parts of which are of thickness from 0,8 + 0,8 mm up to 3,0 + 3,0 mm are made of cold rolled low

and low alloyed steel with metal anticorrosion surface or without it, as well as parts from stainless steel, aluminum and titanium alloys.

The machine welding rolls are located at some angle to each other.

| TECHNICAL DATA | | |
|---|-----------------|---------------------------|
| CHARACTERISTIC | | VALUE |
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Rated continuous secondary current, kA | | 40 |
| Max. secondary current, kA | | 63 |
| Power at duty cycle=50%, kVA, not less | | 415 |
| Rated electrodes stroke, m | | 0,7 |
| Rated span, mm | | 140 |
| Gripping force, daN (kgf) | min., not more | 392 / 400 |
| | rated | 1 960 / 2 000 |
| | max., not less | 2 450 / 2 500 |
| Roller electrode stroke, mm, not less | upper, not less | 80 |
| | lower, not less | 60 |
| Linear speed of roller electrodes, m/min | min., not more | 0,5 |
| | max., not less | 10 |
| Short term performance at welding low carbon steel of thickness 1,2 + 1,2 mm, m/min | | 2 |
| Roller electrodes work angle, grade | | $7^{\circ} \pm 1^{\circ}$ |
| Dimensions, mm (length x width x height) | | 2 600 × 1 420 × 2 800 |
| Mass, kg | | 6 000 |

Resistance seam welding machine by direct current MШ-20.10



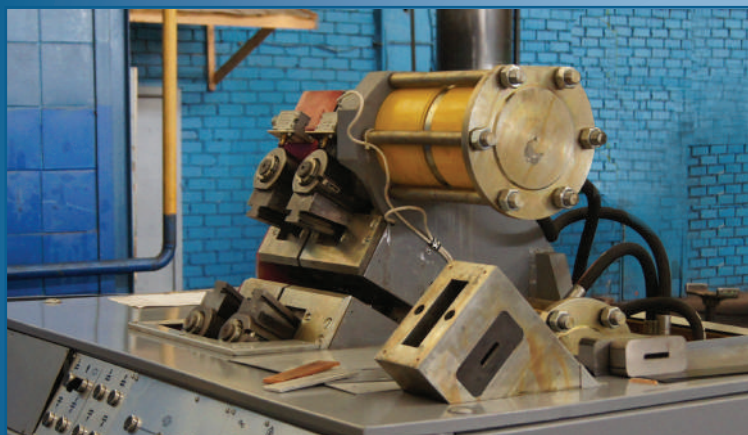
Machine MШ-20.10 is designed for feeding (supply), cutting, clamping the strip ends and resistance seam

welding of strip of width 250 and 300 mm, thickness 0,3, 0,5 and 1,0 mm from low carbon steel.

TECHNICAL DATA

| CHARACTERISTIC | | VALUE |
|--|------------------------|-----------------------|
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Rated consumable power at welding, kVA, not more | | 65 |
| Continuous consumable power, kVA, not more | | 12 |
| Max. secondary current, kA, not less | | 20 |
| Rated continuous secondary current, kA | | 2 |
| Adjustment stages of secondary voltage | | 4 |
| Max. gripping force, daN (kgf) | | 400 |
| Operation pressure of compressed air, MPa (kgf/cm ²) | | 0,5 (5,0) |
| Max. stroke of welding roll, mm | | 65 |
| Max. guide stroke, mm | | 360 |
| Welding speed, m/min | | 1,5; 3,0; 4,0 |
| Machine time of one seam welding, s, not more | | 70 |
| Welding roll diameter, mm | | 200 - 250 |
| Width of operation welding roll surface, mm | | 16 |
| Strips lap length, mm | | 3 - 4 |
| Power of guiding drive electromotor, W | | 250 |
| Cooling water consumption for one welding, l | | 8 |
| Air consumption for one welding, m ³ | | 0,004 |
| Dimensions, mm (length x width x height), not more | welding unit | 1 400 x 1 400 x 1 700 |
| | cabinet with equipment | 462 x 800 x 2 010 |
| Mass, kg, not more | welding unit | 1 050 |
| | cabinet with equipment | 260 |

Butt cold welding machines MCXC-20.05, MCXC-120,03M



Machine MCXC-120,03M is designed for butt cold welding of round copper wire of grade MM as per GOST 2112-79; copper rectangular wire of grade ПММ; copper strip of grade ЛММ and copper bus bars as per GOST 433-78; copper rods of grade М1 as per GOST 1535-71; aluminum round wire of grades ПАТ, ПАМ as per ТУ16-705.451-87; aluminum rods of grades АА0, АА1, АА as per

GOST 15176-84, and different electrical components from soft copper of grade М1 and aluminum of grades АА0, АА1, АА.

The machine MCXC-120,03M control system allows operation in adjustment and semiautomatic modes. Semiautomatic mode of work is suitable with one and two upsetting.

| TECHNICAL DATA | | | |
|--|----------------------|-----------------------|-----------------------|
| CHARACTERISTIC | | MCXC-120.03M | MCXC-20.05 |
| Rated supply main voltage of 3-phase AC, V | | 380 | 380 |
| Supply main frequency, Hz | | 50 | 50 |
| Max. consumable power, kVA, not more | | 30 | 10 |
| Section, mm ² | aluminum | from 100 up to 1 500 | from 30 up to 200 |
| | copper | from 100 up to 1 000 | from 30 up to 125 |
| | copper with aluminum | from 100 up to 1 000 | from 30 up to 125 |
| Thickness, mm | min. | 5 | 5 |
| | max. | 40 | 16 |
| Diameter, mm | min. | 12 | 6 |
| | max. | 40 | 16 |
| Min. length at thickness or diameter, mm | up to 12 | 200 | 140 |
| | more 12 | 400 | - |
| Max. length, mm | | is not limited | is not limited |
| Max. width, mm | | 120 | 30 |
| Operational pressure in hydraulic system, MPa (kgf/cm ²) | | 9,8±0,5 (100±5) | 100 |
| Rated upsetting force, DaN (kgf) | | 120 000 | 20 000 |
| Max. stick out of clamping jaws, mm, not less | | 42 | 18 |
| Max. travel of movable plate, mm | | 70 | 62 |
| Machine performance, welds/min, not less | | 80 | 205 |
| Machine drive | | hydraulic | hydraulic |
| Protection degree as per GOST 14254-80 | | IP20 | IP20 |
| Dimensions, mm (length x width x height) | | 1 690 x 1 430 x 1 670 | 1 260 x 1 010 x 1 540 |
| Mass, kg | | 3 000 | 900 |

Automated device for arc welding with tungsten electrode in inert gases АДФ-507

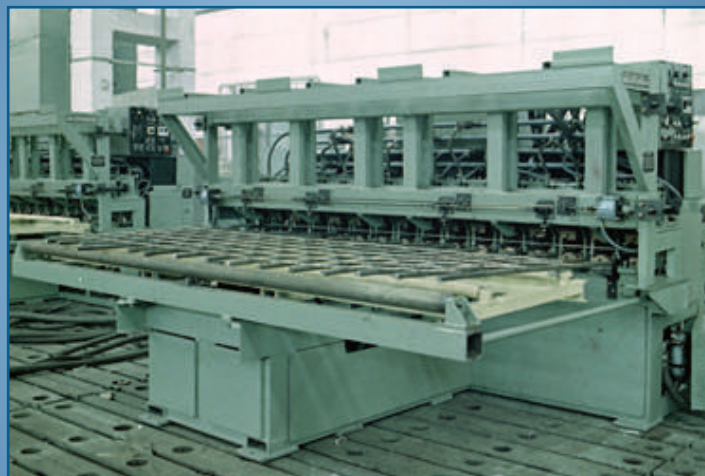


Automated device АДФ-507 is designed for arc welding of armature windings by tungsten electrode in inert gases.

Welding is produced by impulses of welding current at continuous armature rotation.

| TECHNICAL DATA | | |
|---|----------------------|-----------------------|
| CHARACTERISTIC | | VALUE |
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Welded manifolds diameter, mm | at operation part | 180 - 680 |
| | at commutator risers | 235 - 840 |
| Max. length of welded armature, mm | | 2 100 |
| Max. consumable power of system, kVA | | 32 x 2 |
| Max. welding current, A | | 300 x 2 |
| Adjustment limits of welding current, A | | 100 - 500 |
| Number of torches, pcs | | 2 |
| Tungsten electrode diameter, mm | | 3 - 4 |
| Armature rotation frequency, r/min | | 0,12 - 2,40 |
| Inert gases consumption (helium), l/h | | 1 500 |
| Dimensions, mm (length x width x height), not more | welding unit | 2 500 x 2 100 x 3 500 |
| | control station | 850 x 500 x 2 150 |
| | welding rectifier | 800 x 1 100 x 950 |
| Mass, kg | | 3 500 |

Multiple electrodes resistance spot welding machine MTM-32

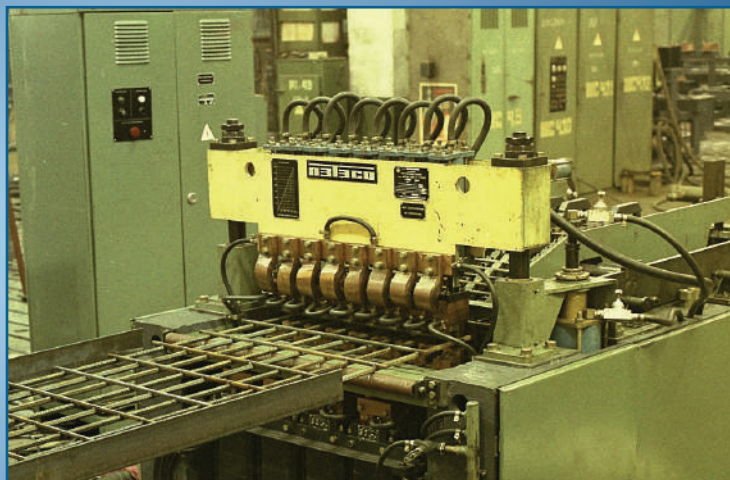
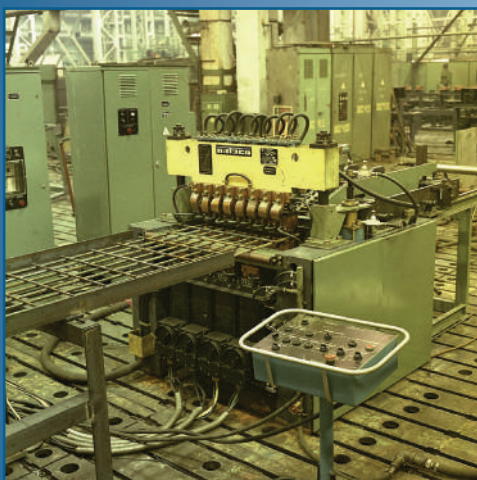


Machine MTM-32 is designed for multiple electrodes resistance spot welding of heavy reinforcing nets of wide range.

For decreasing one-time power consumption the machine has mode of welding in 2, 4 lines and welding in chessboard manner.

| TECHNICAL DATA | | |
|---|--|-----------------------|
| CHARACTERISTIC | | VALUE |
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Max. secondary current in one welding contour at short circuit of two pairs of electrodes, kA | | 36 |
| Welding transformers power at duty cycle=50%, kVA | | 515 |
| Rated continuous secondary current in one welding contour, kA | | 9 |
| Number of electrodes pairs | | 16 |
| Distance between electrodes, mm | | 200 |
| Max. upper electrode stroke, mm, not less | | 60 |
| Rated gripping force of electrodes (at pressure of compressed air 0,45 MPa (4,5 kgf/sm ²)), daN (kgf) | | 1 500 |
| Max. performance of welding transverse rods per hour | for nets with diameter of longitudinal rods 14 mm | 480 |
| | for nets with diameter of longitudinal rods 25 mm and more | 300 |
| Welded rods diameter, mm | longitudinal | от 12 до 32 |
| | transverse | от 8 до 14 |
| Dimensions of welded nets, mm | width | 1 050 - 3 050 |
| | min. length | 1 450 |
| | max. length | 7 150 |
| Dimensions, mm (length x width x height) | | 2 760 x 3 595 x 1 960 |
| Mass, kg | | 5 400 |

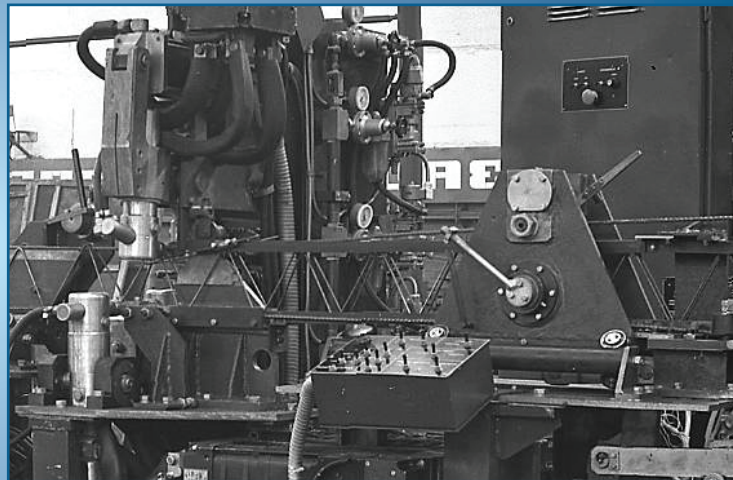
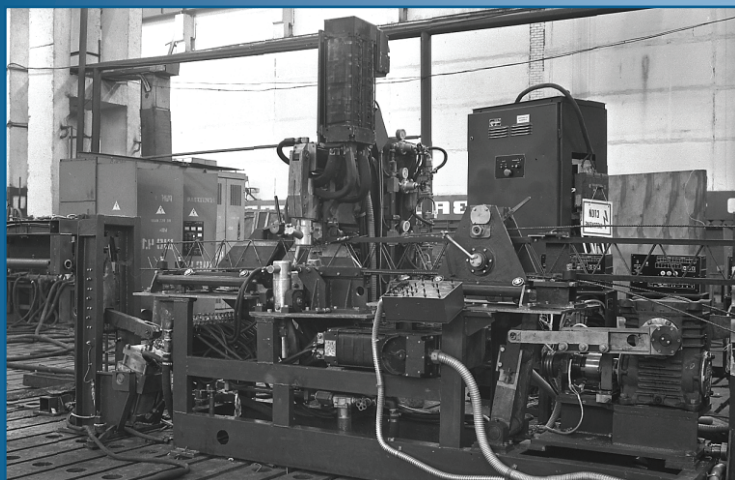
Multiple electrodes resistance spot welding machine MTM-207-1



Machine MTM-207-1 is designed for multiple electrodes of reinforcing steel of grades of hardness AI, AII, AIII, BI. resistance spot welding of plane reinforcing nets from rods

| TECHNICAL DATA | | |
|---|--------------|-----------------------|
| CHARACTERISTIC | | VALUE |
| Rated supply main voltage of 3-phase AC, V | | 380 |
| Supply main frequency, Hz | | 50 |
| Max. secondary current in one welding contour, kA | | 40 |
| Rated continuous secondary current in one welding circuit, kA, not less | | 5 |
| Power of welding transformers at duty cycle=50%, kVA | | 298 |
| Rated gripping force of electrodes at pressure of compressed air 0,45 MPa (4,5 kgf/cm ²), daN (kgf) | | 750 |
| Required force to move nets, kgf | | 800 |
| Width of welded nets, mm | min. | 300 |
| | max. | 800 |
| Welded rods diameter, mm | transverse | 4 - 12 |
| | longitudinal | 5 - 18 |
| Distance between rods axis, mm | transverse | 50 - 400 |
| | longitudinal | 100 - 700 |
| Performance, cycles/min | min. | 10 |
| | rated | 20 |
| | max. | 35 |
| Dimensions, mm (length x width x height) | | 2 700 x 1 600 x 1 720 |
| Mass, kg | | 3 800 |

Resistance projection welding machine MTM-303



Machine MTM-303 is designed for decoiling, straightening, designing, assembly and resistance projection welding of reinforcement frame types of anchor shape from wire of diameter 5 mm and longitudinal

armature of diameter 8 mm, as well as cutting of them after welding for size 1 600 – 7 000 mm and mechanized unloading.

| TECHNICAL DATA | |
|---|------------------------|
| CHARACTERISTIC | VALUE |
| Rated supply main voltage of 3-phase AC, V | 380 |
| Supply main frequency, Hz | 50 |
| Max. secondary current, A | 1 212 |
| Max. consumable power at welding, kVA | 450 |
| Performance, m/h | 150 |
| Longitudinal armature diameter, mm | 8 |
| Transverse armature diameter, mm | 5 |
| Max. gripping force of electrodes, daN | 700 |
| Welding transformers power at duty cycle=50%, kVA | 3 x 100 |
| Cooling water consumption, m ³ /h | 2,5 |
| Compressed air consumption, m ³ /h | 7,8 |
| Dimensions, mm (length x width x height) | 22 150 x 2 380 x 2 300 |
| Mass, kg | 6 092 |



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