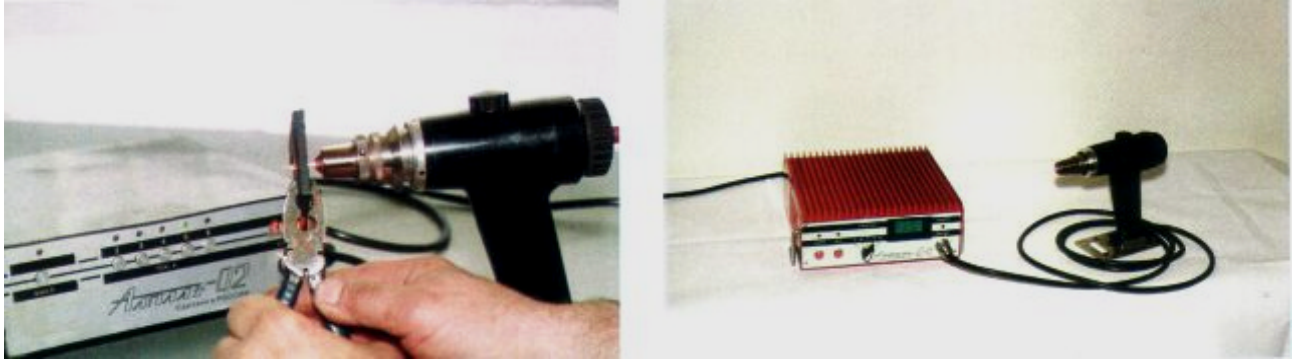


ALTIKA

Water-plasma equipment (water-plasma unit “ALPLAZ” for cutting and welding metals)



Water-plasma unit for cutting and welding of metals is a unique invention without analogies in world praxis. For the first time the water steam was used as a plasma source. The narrow plasma torch, a bit more than 1 mm, has temperature 8000°C and comes out of the nozzle at a speed of about 220m/s. Such capacities of water plasma unit permit its usage even for ceramics cutting. Water-plasma unit cuts any metals up to 6 mm thick easily and straight, even alloyed steel, titanium and hard alloys. Hereby the area were metal changed its structure is as a rule not more than the width of cut (not more than 1.5 mm). Besides, the cut can be absolutely geometric free – this is incontestable advantage before other similar equipment. The water plasma unit is also very efficient in another mode: while welding and brazing, a straight and hard seam is ensured, without scale.

In addition, one sufficient advantage of water plasma unit “ALPLAZ” should be mentioned. The environmental friendliness, its operation is possible even in rooms without enforced ventilation.

The convenience of water-plasma unit “ALPLAZ” operation should be also mentioned. It is caused by its following parameters:

- ?? Weight –4.7 kg, five time less than any light analogues;
- ?? Small overall dimensions of water-plasma units permit to put them into a case-bag;
- ?? Low power consumption in comparison to analogues (1...2 kW).



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