

The invention relates to the mechanical engineering, namely to devices for electric discharge machining of mating surfaces of the machine elements, for example of the gear-wheels, pump bolts etc.

The device includes the driving mechanism 1, placed onto the main shaft, a current-conducting body 4, wherein it is placed onto a shaft, by means of current-insulating supports 7 and 8 made with inclined lateral surface, a double satellite gear unit 9. One gearing engages into mesh with the immobile gear-wheel, and the other one with the mobile gear-wheel, which is freely placed into the body 4 by means of current-conducting bearing supports 6. At the same time the mobile gear-wheel is freely placed onto the shaft by means of some additional current-conducting bearing supports. The core 3 with winding is placed in the satellite gear unit 9 placement zone and the winding is connected to the pulse generator 2.

Claims: 1

Fig.: 1

