

MULTI-STATION ELECTRICAL DISCHARGE MACHINING WITH SINGLE VELOCITY COMMAND

ABSTRACT

An electrical discharge machining (EDM) apparatus (10) includes a plurality of machining heads (22-32), at least one EDM control system (76, 78), and a plurality of programmable servo drives (84, 86). Each one of the programmable servo drives (84, 86) is connected to the EDM control system (76, 78) and to a respective one of the plurality of machining heads (22-32). The programmable servo drives (84, 86) receive a velocity command from the EDM control system (76, 78) and feed a control signal to a respective one of the plurality of machining heads (22-32) to control electrode positioning.

Fig. 1.