

ABSTRACT

CHUCK TABLE AND METHOD OF MANUFACTURING SUCTION PLATE OF POROUS CERAMICS

A chuck table for holding a plate-shaped workpiece under suction includes a suction plate made of porous ceramics and having a plurality of open pores, and a frame covering a side surface and a reverse side, except an attractive suction surface, of the suction plate and having a plurality of suction grooves defined in an upper surface thereof and a fluid communication passage defined therein that holds the suction grooves in fluid communication with a suction source, the frame supporting the suction plate thereon. The suction plate has a porosity in the range from 60% to 70% by volume, and the open pores have diameters in the range from 10 μm to 25 μm .

(Figure 3)