

Abstract

Double-Side or One-Side Machining Machine

The invention relates to a double-side or one-side machining machine with a preferably annular first working disk which is fastened to a first support disk, and with a counter bearing element, wherein the first working disk and the counter bearing element can be driven to rotate relative to each other by at least one drive shaft, wherein a working gap is formed between the first working disk and the counter bearing element to machine both sides or one side of flat workpieces, wherein a pressure volume is arranged between the first support disk and the first working disk and is connected to a pressure fluid supply which can be actuated such that a pressure is built up in the pressure volume that generates a predetermined deformation of the first working disk, and wherein temperature-controlling channels are provided for controlling the temperature of the first working disk that are connected to a temperature-controlling fluid supply, wherein the temperature-controlling channels are arranged within the first working disk so that the temperature-controlling channels are arranged closer to the working gap than the pressure volume, and wherein the temperature-controlling channels are not connected to the pressure volume.

Fig. 1