

Abstract

Method for measuring the thickness of flat workpieces

The invention relates to a method for measuring the thickness of flat workpieces processed in a double-side processing machine, comprising the steps:

- the workpieces are processed in a working gap formed between an upper working disk and a lower working disk of the double-side processing machine while the working disks rotate relative to one another in a material-removing manner,
- during the processing of the workpieces the workpiece thickness is optically measured by means of at least one optical thickness measurement apparatus arranged on the upper working disk and/or the lower working disk, wherein the at least one thickness measurement apparatus measures the thickness of the workpieces located in the working gap through at least one through-hole in the upper working disk and/or the lower working disk,
- the measurement results of the at least one thickness measurement apparatus are supplied to a control apparatus of the double-side processing machine,
- on reaching a previously specified target thickness of the workpieces the control apparatus terminates the processing operation of the workpieces.

(No drawing to be published)