

Title (en)  
GRINDING MACHINE AND METHOD FOR GRINDING AND DEBURRING

Title (de)  
SCHLEIFMASCHINE SOWIE VERFAHREN ZUM SCHLEIFEN UND ENTGRATEN

Title (fr)  
RECTIFIEUSE ET PROCÉDÉ DE RECTIFICATION ET D'ÉBARBAGE

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Abstract (en)  
[origin: WO2011048014A1] The invention relates to a grinding machine for grinding a workpiece (20, 22, 48, 60), in particular cams (48, 60), comprising a machine bed (12), a grinding disk (58, 36, 36') which has a profile having a grinding area (74) extending essentially parallel to the rotational axis of the grinding disk (58, 36, 36') and at least one profile section (70, 72) which does not extend parallel to the rotational axis of the grinding disk (58, 36, 36'), a grinding spindle (28, 28') on which the at least one grinding disk (58, 36, 36') is arranged and which can be guided on the machine bed (12) and a control unit (96) for controlling the grinding process. Said control unit (96) is configured in such a way that, using positioning information on the positions of edges (76', 76'') of the workpiece in the direction of the longitudinal axis (24) of the workpiece (20, 22, 48, 60), during or after grinding the workpiece (20, 22, 48, 60), in particular towards the end of the grinding process of the workpiece (20, 22, 48, 60), the edges (76', 76'') of the workpiece (20, 22, 48, 60) are deburred or chamfered one after the other by means of the at least one profile section (70, 72) of the grinding disk (58, 36, 36'). The invention also relates to a method for grinding a workpiece (20, 48, 60), in particular cams (48, 60), on a holding element (54) by means of said grinding machine.

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