Title (en)

CYLINDRICAL GRINDING MACHINE

Title (de)

ZYLINDRISCHE SCHLEIFMASCHINE

Title (fr)

MACHINE DE RECTIFICATION CYLINDRIQUE

Publication

EP 4088861 A1 20221116 (EN)

Application

EP 21733364 A 20210426

Priority

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Abstract (en)

The present disclosure provides a cylindrical grinder, which comprises a frame, a bed, a workbench, Z-axis guide rail components, X-axis guide rail components, B-axis rotating components, and a grinding frame, and the frame is fixed on the ground, the frame is connected to the bed through X-axis guide rail components, the workbench is connected to the bed through Z-axis guide rail components, and the grinding frame is connected to the workbench through B-axis rotating components. The present disclosure sets Z-axis guide rail components, X-axis guide rail components and B-axis rotating components, and by setting the Z-axis guide rail components as a negative pressure adsorption and static pressure support structure, setting the X-axis guide rail components as an air flotation unloading structure, and setting the B-axis rotating components as a direct-drive structure, the problem that the position of each component can not be adjusted quickly and efficiently is avoided.

IPC 8 full level

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