

TOOLING ASSEMBLY FOR MAGNETICALLY ALIGNING COMPONENTS IN AN ADDITIVE MANUFACTURING MACHINE

ABSTRACT

A tooling assembly (200) for mounting a plurality of components (70), such as compressor blades (70), in a powder bed additive manufacturing machine (100) to facilitate a repair process is provided. The tooling assembly (200) includes component fixtures (202) configured for receiving each of the compressor blades (70), a mounting plate (210) for receiving the component fixtures (202), and a magnet assembly (220) operably coupling the component fixtures (202) to the mounting plate (210) in a desired position and orientation to facilitate an improved printing process.

[Fig. 6]