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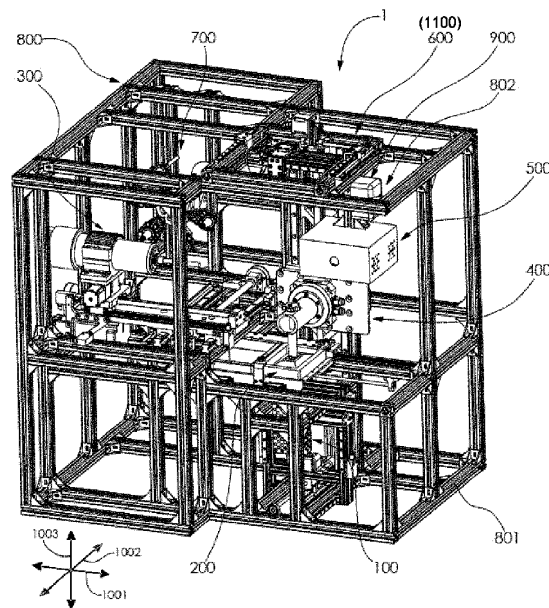


Fig. 1

(57) Abstract: A multiple-axis hybrid manufacturing machine tool (1) for manufacturing a three-dimensional part, in particular a micro-part and/or a macro-part with a micro-feature. The multiple-axis hybrid manufacturing machine tool (1) extends in a first direction (1001), a second direction (1002) and a third direction (1003) that are perpendicular to each other. The multiple-axis hybrid manufacturing machine tool (1) comprises a vat photopolymerization three-dimensional printing module (100), a container module (200), a CNC processing module (300) and a platform module (400). The vat photopolymerization three-dimensional printing module (100) comprises a movable illumination device (101). The container module (200) comprises at least one photopolymer receiving container (201) for receiving a photopolymer material in liquid phase. The CNC processing module (300) comprises a movable spindle (301) for holding a milling tool (10) and/or a measuring tool. The platform module (400) comprises a movable build platform (401) that is

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arranged and configured for vat photopolymerization three-dimensional printing of a work piece and/or on a work piece, and preferably also for CNC processing of a work piece, on the build platform (401).