

Method for manufacturing polyhedral gaming device with graphic symbols includes designing the geometry of the polyhedron, manufacturing the base, and applying graphic symbols. The geometry of the polyhedron is designed using CAD software with the formation of rounded edges and a symmetrical shape. The base is manufactured from impact-resistant polymer by injection molding into a metal mold using an injection molding machine. The surface is subjected to mechanical treatment - grinding and polishing with P400–P1200-grade abrasives. Graphic symbols are applied to each face of the polyhedron using UV printing, followed by ink filling. A protective clear polyurethane varnish is applied. Quality control is performed using precise scales, vernier calipers, and 3D scanners to check the geometry, mass, and clarity of the symbols.