

## **Influence of voltage in arc anodizing**

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AZ91 alloy is the most widely used die casting magnesium alloy, offering good combination of castability, corrosion resistance and mechanical properties. Because of the hexagonal-close-packed(h.c.p).crystal structure of magnesium, its restriction of slip systems doesn't allow much deformation, which leads to the limitation of deformability and work strengthening. this paper, we observed influence of arc anodizing voltage.