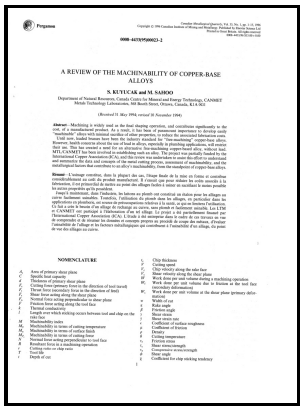
# Machining of copper and its alloys.

## The Association - Machining copper



A REVIEW OF THE MACHINABILITY OF COPPER-BASE ALLOYS

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**Copper Alloys for the Aerospace Industry**

Summary With cycle time reduction and mold durability being two of the keys to profitable injection molding, the high thermal conductivity and good strength of copper alloys make them an important tool of the injection molder.

**Copper alloys, relatively pure, that are best for machining**

It is currently being used as a substitute for semi-red brass in immersed pumps. Mild Steels are very common types of metals with broad uses. This extra tough bearing material is used for heavy loads with good resistance to impact and corrosion.

**A Review of Copper Alloys for Plastic Injection Molding**

In reality, the contact mechanical material property changes owing to the resulting mechanical deformation or cold work to which it subjected during the fabrication process.

**Weldability of Materials**

Thermographic images of the lenses ejected from the mold are shown in Figure 2. There are as many as 400 different and compositions loosely grouped into the categories: copper, high copper alloy, , , , copper—nickel—zinc nickel silver , , and special alloys. They may also be used for seam welding bushings.

**Copper Alloys**

Alloys for the Aerospace Industry Aviva Metals offers a range of alloys for aerospace applications. Where economically feasible, aluminum-bronze replaces manganese-bronze because it offers high strength in combination with better corrosion resistance.

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