

## Electric Machinery and Equipment

# Mobile Telephone

In an effort to satisfy customer requirements for thinner mobile telephones, manufacturers have begun to use stainless steel for the casing. Stainless steel is strong and flexible and resists shocks which may dislodge the upper crystal panels. This is not possible with traditional epoxy casings.

The stainless steel mobile featured here can have mirror or scour finishes. They are transparent-coated or ion-plated to reduce fingerprints and enhance the finish of the mobile. Care is taken during the finish processes to ensure the stainless steel surface is not damaged.



**Location/environment** | JAPAN/INDOOR

**Product** | COLD ROLLED STAINLESS STEEL SHEET

**Fabrication process** | FORMING AND ION-PLATING

**Grade/surface** | SUS304/HAIR LINE AND NO.8 (MIRROR)

**Material thickness/diameter** | 0.4 MM

**Weight** | 23.1 G

**Competing material** | PLASTICS, ALUMINIUM

**Date of completion** | OCTOBER 2007

**Manufacturer** | TOSHIBA CORPORATION

**Material supplier** | NISSHIN STEEL CO., LTD

**Source of information** | JSSA/NISSHIN STEEL CO., LTD

**Remarks** | THE MANUFACTURER HAS TAKEN FULL ADVANTAGE OF THE PROPERTIES OF STAINLESS STEEL TO CREATE A THINNER MOBILE TELEPHONE. THE FINISHES ADD AN UPSCALE APPEARANCE AND FEEL TO CREATE A PREMIUM PRODUCT.

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