

CTC AppNotes

A series of technical documents written by members of the CTC community

Stainless Steel components for use in harsh industrial environments.

In the vibration industry analysts often have to deal with various harsh solvents and other chemicals present in the industrial environment. These include sulfuric acid in both liquid and gas forms, white and black liquor in the paper

the steel are adjusted by varying the amounts



CTC's sensors are machined from 316L stainless for extra resistance to salt and chlorine exposure.

of the trace elements added to the basic iron/carbon/chromium alloy that is the basis for many stainless steels. CTC utilizes several different grades of stainless steel to ensure that the material will perform as expected in the industrial environment. For exposed corrosion resistance and weldability, sensor bodies all are made from 316L stainless, CTC's enclosures all use



Stainless Cord grips are 303 stainless, the same material used in CTC, Stainless enclosures.

303 stainless, and various types of mounting hardware may be machined from different materials based on the particular application.

If you have any questions or for further information please contact CTC directly via Email at dgripe@ctconline.com or jsmith@ctconline.com or feel free to call 1-800-999-5290 in the US and Canada or +1-585-924-5900 internationally.



Magnet targets are made from 17-4 stainless to maintain magnet attraction.



CTC's SSB2000 stainless steel switchbox enclosures use "303 series" stainless for excellent resistance to corrosion

industry, chlorine washdowns and other sanitizing agents in food and pharmaceutical industries.

With all of the various chemicals to be dealt with, it turns out that no one material is compatible with every environment. So, to deal with the most difficult of these environments CTC turns to specialty materials, including various stainless steels.

Different grades of stainless for specific uses

Stainless steel comes in various grades based on the particular properties required. Properties of

**

If any CTC vibration analysis hardware product should ever fail, we will repair or replace it at no charge.