



Application

Monitor Torch Cut-Off Heads

Products Used925, 950MD, 953

Problem

Steel exits the continuous caster in one solid piece. The torch cut-off must accurately measure and clamp onto the side of the red-hot steel. Once clamped onto the steel, the piece will continue to move until the torches have cut the material to the desired length. High temperatures prove to be a challenge for sensors on these torch cut-off machines.

Solution

In order to close the loop on torch cut-off heads, a position sensing device is required. The Gemco 953 LDT and 950MD with vortex air cooling is effective. The vortex coolers, work on existing filtered plant air, and can generate air flows as low as -40°F to keep the electronics and mechanical actuators cool.

To monitor the slab length, the Gemco 925 Cable Reel is a perfect solution. In this extremely hot application, the stainless steel aircraft grade cable can be run through the hostile area and the cable reel housing can be located in a more user friendly environment.

Benefits

- Vortex coolers and remotely mounted cable reel housings extend life span of the sensor
- Extended lifespan saves time and money

Conclusion

The Gemco brand products are designed and built to withstand the severe environmental conditions within a Steel Mill. There are a wide variety of options available to ensure longevity and survivability in the hostile environments. Water cooled jackets for LDTs are just one example. Ask for our Steel Mill Capabilities brochure for a complete list of Gemco products used throughout the Mill.



Steel Mills



AppNote.AOR
1/07.Z300