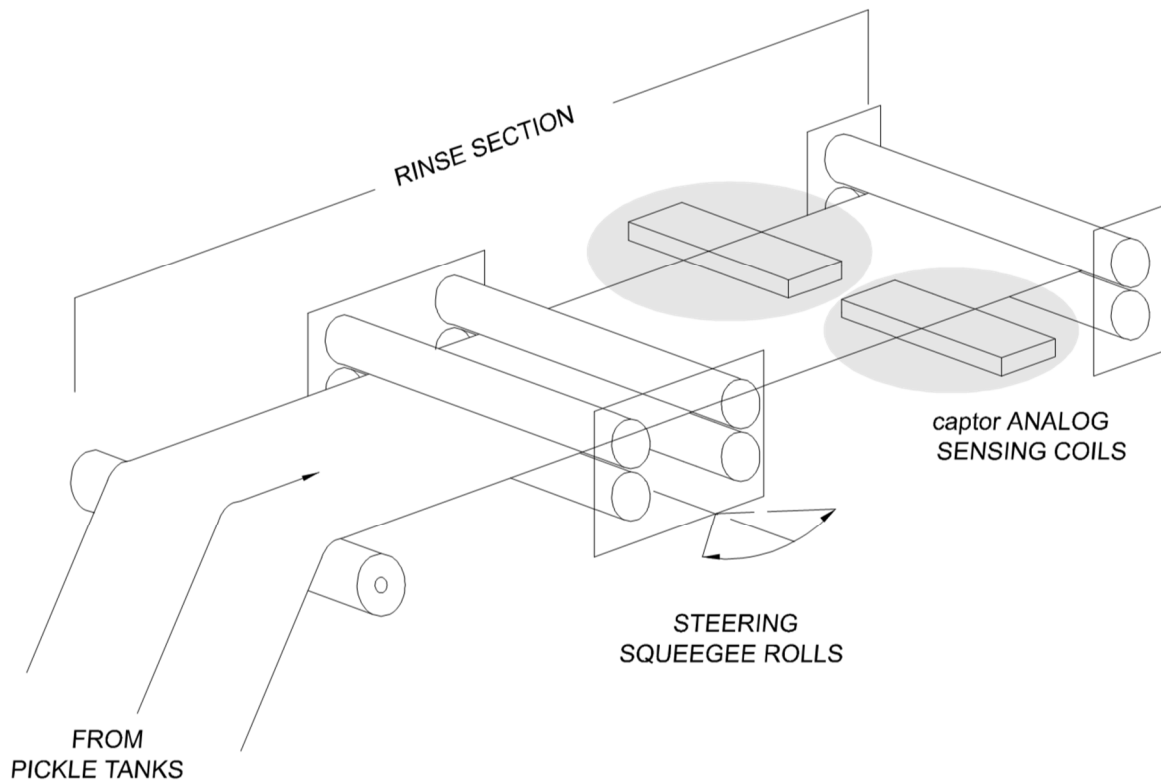


The rugged and reliable captor strip guiding system

INTRODUCTION

The environmental conditions in the steel industry are a challenge for any type of control equipment. High temperatures, vibration, excessive dust and contamination are setting the limits for standard equipment. Our sensors have been designed and carefully built to meet the specific demands of the steel industry.



TASK

To maintain the centered positioning of the steel strip at all times under the very harsh environmental conditions (acid fumes...).

PROBLEM

In the process of pickling the steel strip it is necessary to keep the steel strip centered while it passes through pickle tank in order to avoid damages of the tank walls and avoid downtime and costly repairs.

SOLUTION

The captor strip guiding system is the solution to the problem. It keeps the steel strip precisely in the center while it travels through the pickle tank and rinsing tank. The captor sensing coils of the strip guiding system, located underneath the strip for sensing the strip position, generate an analog signal, proportional to the deviation from the centerline.

BENEFIT

By guiding the steel strip properly centered, damages of the tank and the strip are eliminated and an efficient and reliable production is maintained.