

# Iwex Scanner for long seam inspection

Applus<sup>+</sup> RTD



## Current scanner

- Currently we have been using a modified LNG tank scanner for data acquisition. This scanner uses the same motor software as our current Rotoscan system meant to scan girth welds. During the process of data collection a guide band is used to keep the scanner in a very straight line. This is needed due to the sensitivity to movement that affects the Iwex data.



## Current scanner

- The system works well but is limited to only larger diameter pipe sizes of 16in and up to flat. We need to come up with a solution that can scan any diameter and offer the same stability for scanning as the current system.



## Modified scanner

- We are going to modife some of the parts on the Navic scanner. This is a scanner sold by Jireh industries. It is a multi axis scanner with the ability to turn if needed.



## Modified scanner

- This week Jireh has come to the Houston office to demonstrate the prototype additions to the Navic. With the new parts this will give the scanner the ability to track in a straight line and offer the ability to scan on pipe down to 8in diameter.
- We are also requesting that an arc be made accommodate smaller diameter.



## Modified scanner

The changes to the probe carriage allow the bars to be positioned so that the probes will make better contact with the part being inspected. A laser guide has been added to ensure the scanner is tracking in a straight line.



Thank you

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