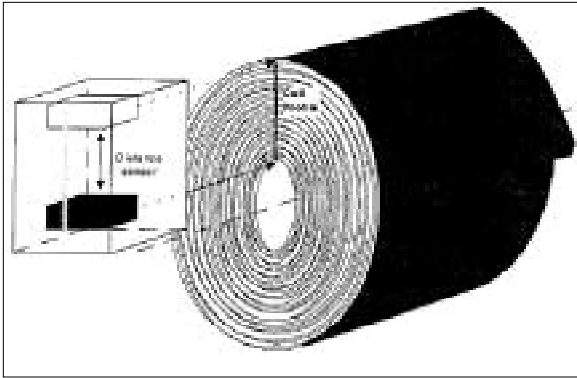
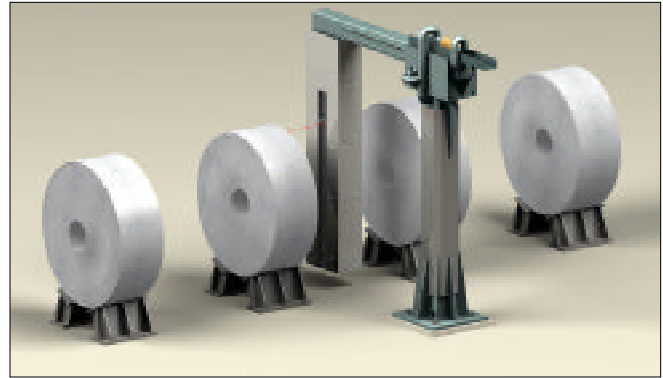


Coil Profiler

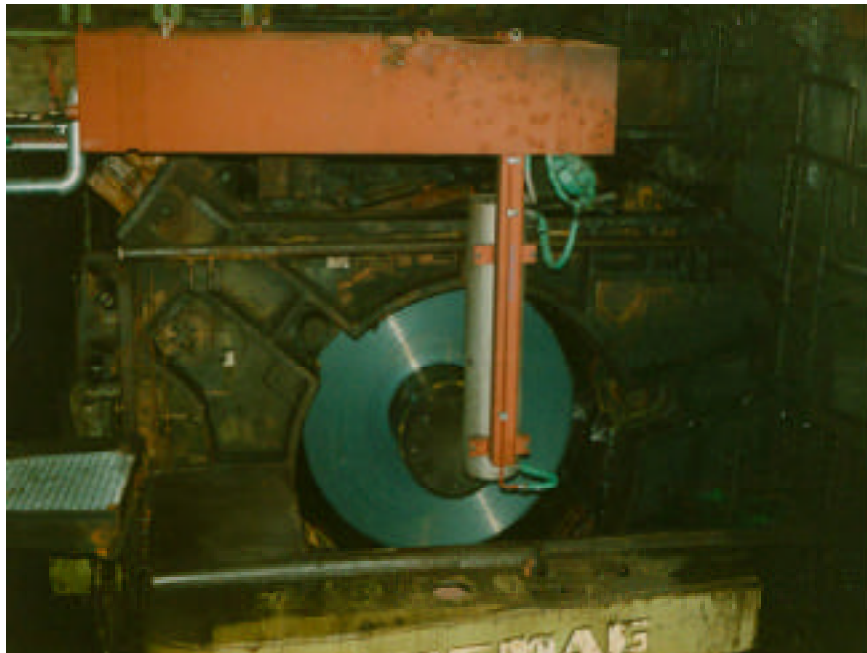
To measure a coil end profile, we use distance measuring laser. The laser scans the end of the coil and produces a profile of the coil's end. A two dimensional; laser can be used when the coil is stationary. The laser scans at a ± 20 degree angle to plot the profile. Another method is to use a single axis laser and either move the coil past the laser, or have the laser on a moving slide to scan the width of the roll. The diameter of the roll may determine which method is most cost effective.



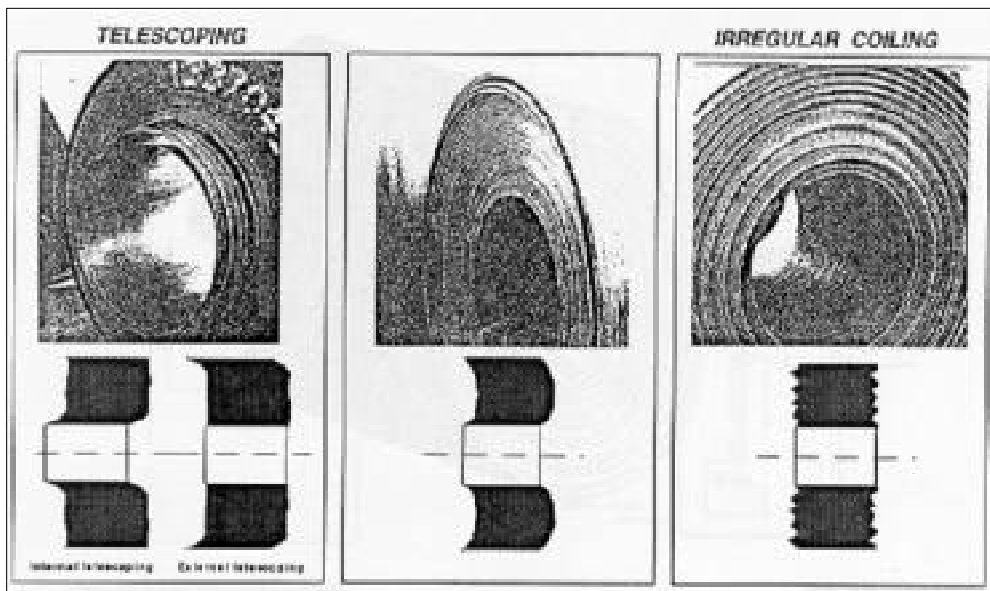
Pictured above is an illustration of a single axis displacement laser on a servo/slide assembly. It traverses the coil from bottom to top.



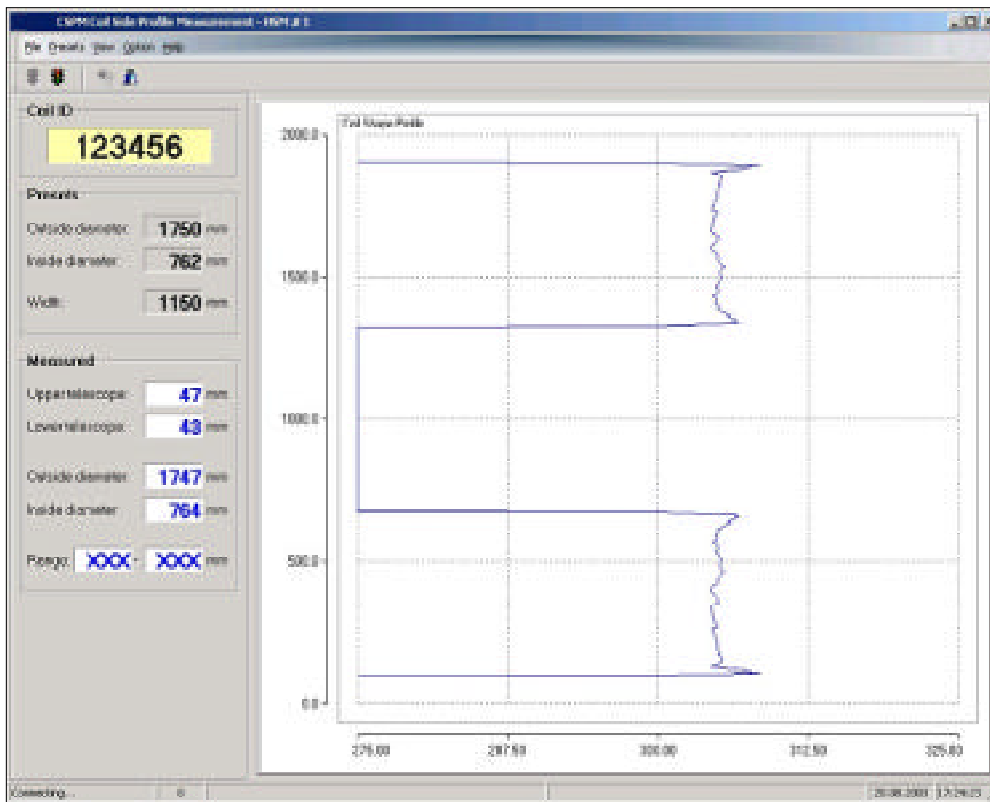
Pictured above is an actual assembly of a single axis displacement laser on a servo/slide assembly. The red line shows where the laser is at all times.



Pictured above is an actual application of a single axis displacement laser on a servo/slide assembly. The complete arm moves up and out of the way for changing coils.



Typical metal coil profiles which the system software can display.



The graph above illustrates the top and bottom profiles of a coil end with the hole in the center.

The closer you look, the better we measure!

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