

Project Name: VAR Billet Measuring System
Project #: 12555
Customer: Special Metals

Meeting Purpose: Site Visit

Date: 01/27/12

Meeting Length: 90 minutes

Present Parties: Jared Dodge (Design Team)
Michael Imhof (Design Team)
Michael Cheney (Design Team)
Michael Hvorecny (Design Team)
Brandon La Quay (Design Team)
Benjamin Hailer (Special Metals)

Results:

- Billets are slightly smaller on the top than on the bottom
- To obtain a diameter measurement, atleast 2 measurements should be taken. At least 2 measurements optimal would be 12 measurements.
- 2" from the end is prepped and is not as critical to capture
- BP grinder is lesser, lower technology, Operator and Grinder head moved.
 - Could mount a sensor from the top of the carriage.
 - Rotation and movement are not precise, the opertator "eyeballs" them.
 - Could mount the sensor on the floor off the end of the billet to measure rotation and length.
- Ideally a 3-D
- CM Grinder seems to be easier. Billet moves carriage is stationary.
 - Operator uses a computer program.
 - Assume that the billet bottom is consistent

Action Items

1. Determine a way to measure rotation
2. Investigate re-writing code for the operating software.
3. Determine the sensors mounted on either side of the operator.
- 4.