

# On-Site Operator Training that Pays for Itself

The **profitability of any company** and the vitality of the industry are dependent on developing and maintaining a skilled work force. This will allow Mills to remain competitive, assure continued growth and to achieve long-term improvements. Effective training “Gets operators believing it can be done”

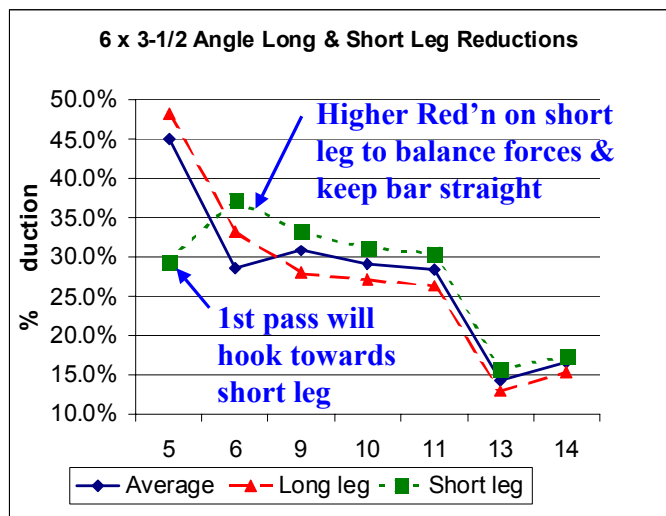


One of the most **cost effective investments** that can be made is helping your operators get more production out of your existing equipment and processes. Training can focus your operators to help them achieve this objective

Quad Engineering delivers **Customized Training** for Operators. Pass design and rolling theory is discussed, then applied to the actual products you roll using your pass designs

and mill setup sheets. This allows the Operators to apply what they have learned to the mill environment they work in every day.

The on-site course is typically delivered to all the Rolling Crews. By applying the course topics to the actual mill operation, a list of ideas and action items are created by the participants. A summary report outlining the **project opportunities** & discussions of all the crews is included. Operating improvements that can be implemented in the mill to improve production, yield and quality are typically discovered during the class sessions.



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*Operators that understand why things happen during rolling can make better decisions resulting in fewer mistakes.*

## What Operators have told us:

- “tips and suggestions will help us roll more” SMI
- “Transformed theory into practical applications” HSB
- “Each person was able to ask questions and get answers that they understood” Gerdau Ameri-Steel
- “It made me realize other peoples efforts in getting a mill to work well” Charter
- “I was able to gain an understanding of how and why steel rolls. It was interesting to look at explanations and ways to correct or attack areas in rolling before they attack you” Co-Steel
- I could do this course 10 times and still learn more each time” SMI
- I was very happy with the instructors and method because I learned a lot from them, and they know their stuff” Nucor
- “Breaking down the setup sheets and being able to find their inaccuracies was most interesting” Gerdau Ameri-Steel
- I was interested in R-Factors and how our speed control system can be used to help us identify problems” Chaparral
- “I was most interested to learn about improvements that can be made in pass designs of round and square passes” Timken

## What We Discuss in Class:

- Focus on current rolling issues using examples from your mill
- Getting more out of your pass design from an operators point of view
- How to set and adjust passes to make a quality product
- Basic principles of heat transfer and how to improve roll cooling
- Using speed control to help you troubleshoot rolling problems
- Basic metallurgy for the rolling mill operator