Training

ANYTHING AND EVERYTHING FOR STEEL MANUFACTURERS

. . . EXCEPT THE ORDINARY
Training Affects Your Bottom Line

Effective Operator Training is no accident. It must be planned and executed like any other issue at your plant. People produce steel, so the most cost effective way to improve your operation is to produce more using your existing equipment. Operator training is an important component to helping your Operators get the most out of each shift. Operator training translates directly into improved production, higher yield and increased profit.

A combination of technical presentations, work sessions and open discussion is used to effectively communicate the course material. A comprehensive textbook is included, for use as a reference document back at the plant.

Course Objectives:
- To help the participants develop a more in depth understanding of the fundamental principals of rolling steel
- To address pass design methods from an Operator’s point of view
- To develop an understanding of how to get the most out of your current mill pass design

Who Should Attend:
Mill Managers, Shift Supervisors, Rollers, Assistant Rollers, Pulpit Operators, Maintenance, Quality Control, Engineering, Sales.

QRC1: Pass Design & Rolling Theory:

QRC2: Hands-on Rolling of Rounds & Flats:

QRC3: Hands-on Rolling of Angles:

QRC8: Hands-on Rolling of Slit Rebar:
- Principles of double slit and triple slit Rebar Pass Design, Develop double slit and triple slit Rebar Pass Schedules, Hands-on Rolling of Rebar using various pass design configurations, Causes & corrective action for rolling.

Custom on-site Pass Design & Rolling Theory:
- The course focuses on current rolling issues using examples for your mill operation.
- Getting more out of your pass design from an Operator’s 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.

Operation & Production Improvement Training:
- Identify how to improve the operation to get the most out of your existing equipment
- Quantify the effect of any operating improvements or equipment changes
- Develop an implementation plan that includes Operator Training
- Develop a mill improvement plan that ensures capital spending yields the desired ROI
Effective On-Site Training that Pays for Itself

- Operators that understand why things happen during rolling make fewer mistakes.
- Reducing cobbles by 1 per month can pay for training two crews.
- Saving an average of 5 minutes at product startup can result in an extra 5,000 tons produced annually!
- Train 12 of your operators at your own plant for 2 days, for less than you think.
- Contact Joe Kennedy at phone 416-391-3755 ext 226 e-mail j.kennedy@quadeng.com
What Operators have Told Us

- "Tips and suggestions will help us roll more." - R W. SMI
- "The hands-on aspect of the course was excellent." - D L. Charter Steel
- "Each person was able to ask questions and get answers that they understood." - S N. Ameri-Steel
- "I was able to gain an understanding of how & why steel rolls. It was interesting to look at explanations and ways to correct or attack areas in rolling before they attack you." - N F. Co-Steel
- "I could do this course 10 times & still learn more each time." - D H. SMI
- "I was very happy with the instructors and method because I learned a lot from them, and they know their stuff." - J P. Birmingham
- "Breaking down the setup sheets and being able to find their inaccuracies was most interesting." - R C. Co-Steel
- "I was interested in R-Ractors and how our speed control system can be used to help us identify problems" - S S. Nucor
- "I was most interested to learn about improvements that can be made in pass designs of rounds and square passes." - B B. Timken

What we discuss in class:

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

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"Our operators now have a better eye for what is going on, and as a result we’re rolling more steel".  
*G.M, Mill Manager*

"Many of our operators now have a better understanding of the rolling process. QUAD’s on-site course had a lot of information that will definitely make us more money"  
*S.S. Shift Supervisor*

"More consistency = more production. We had a record month soon after QUAD’s in-house course at our plant. It was the way we wanted it to be."  
*S.M, Mill Superintendent*

Steel is a commodity. Your customers expect high quality at low price. Good production equipment is available to all your competitors too, so how can your company become and remain the preferred low cost supplier?  
"We invest in training our people because they make the difference"  
*A.A, General Manager*

"Mistakes cost money... Well trained people make fewer mistakes"  
*A.B, President*

"Operating teams that know the process, can solve complex problems and work with other trades and departments in a co-operative group environment, will get measurable results."  
*N.M, VP*

"QUAD delivers effective and practical employee development solutions that let our people do more with what we already have."  
*J.S, Mill Manager*

QUAD has trained over 1000 operators from over 50 different plants.  
"QUAD’s trainers aren’t university professors, they are real life experts in rolling, operations and engineering"  
*J.K, General Manager*
Public Courses @ Quad - to see for yourself 'why' things happen
QRC - Rolling
QSC - Melting
QMC - Management

On-Site courses for the entire team - crews gain a better understanding of the overall process & how they can produce more!

Practical applications of action plans at your site - apply theory to real projects with measurable results

Procedure Training - improve procedures then create a video for ongoing training

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