



THE GRINDING DOC

VERITAS ET SCIENTIA IN RECTIFICUS

How to justify to management attending the course:

Print this out and give it to your boss.

Grinding is a major expenditure for your company – labor, wheels, dressing diamonds, coolants, scrapped workpieces, etc. And the vast majority of engineers and machine-operators are doing it without any real knowledge of the subject – they're grinding by trial & error. They're pulling it off, but at a considerable expense. I see company after company making the same mistakes over and over. And it costs them.

I teach course attendees grinding from the bottom up. Not just the how, but the why. Years later, I hear back from them. They tell me they now know how to deal with things scientifically. One attendee at an automobile-engine manufacturer told me that the year after attending the course their wheel costs on their 40 machines were cut ten million dollars. Why? Because they are no longer “shooting from the hip” and hoping to get things right.

What is will cost you: About 4 days away from production
About \$4000 in fees, hotel and travel

What you'll get:

- Less wheel usage.** For most companies, cutting 10% of wheel cost is in the +\$100k range.
- Less diamond consumption.** Most single-point diamonds are thrown away prematurely because people don't know how to adjust their parameters to deal with diamond wear. The same goes for rolls and discs.
- Massive labor savings.** Cycle times will come down. And labor is a major part of your costs.
- Fewer stupid mistakes.** As operators now know where to start and where to go when they get a new grinding operation.
- Fewer wasted purchases.** Most scrubber nozzles are a waste of time. Most new high-pressure-pump purchases are not needed – the pump you have is fine if you know how to use it. Many new wheels are worthless – don't bother testing them. Don't reinvent the wheel – The Grinding Doc has already done your homework for you.
- Less scrap.** Operators will start each operation with good, reasonable parameters. They may tweak, but because they now know a standard starting point, there will be far less tweaking and far less scrap before the first part is good.

Science, not trial & error. And that translates into doing everything better.

Proof: 55% of The Grinding Doc's course attendees are from companies that have already sent people. They see the results on the bottom line almost immediately.

Conclusion: This is the best four-thousand dollars you'll spend this year.

Seriously, you'll kick yourself for not have sent people five years ago. It'll change the way you grind.

Dr. Jeffrey A. Badger, The Grinding Doc, Course instructor