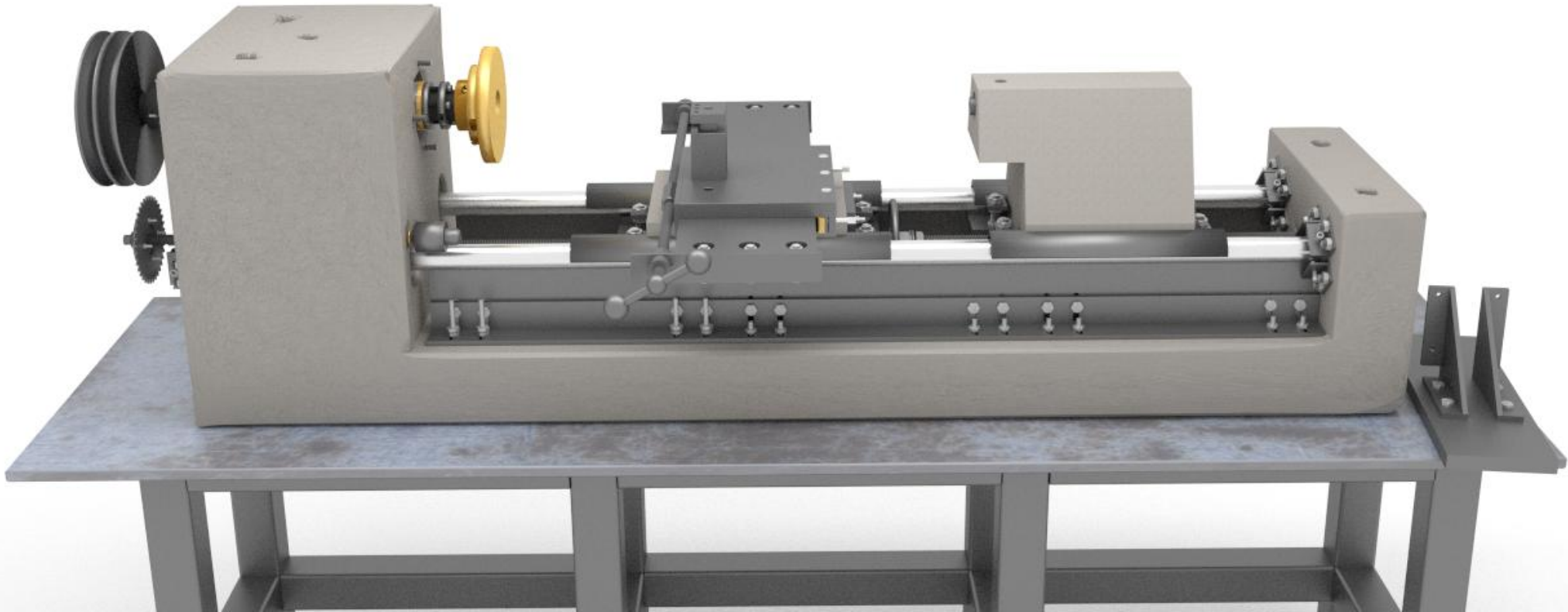


# The Concrete Lathe

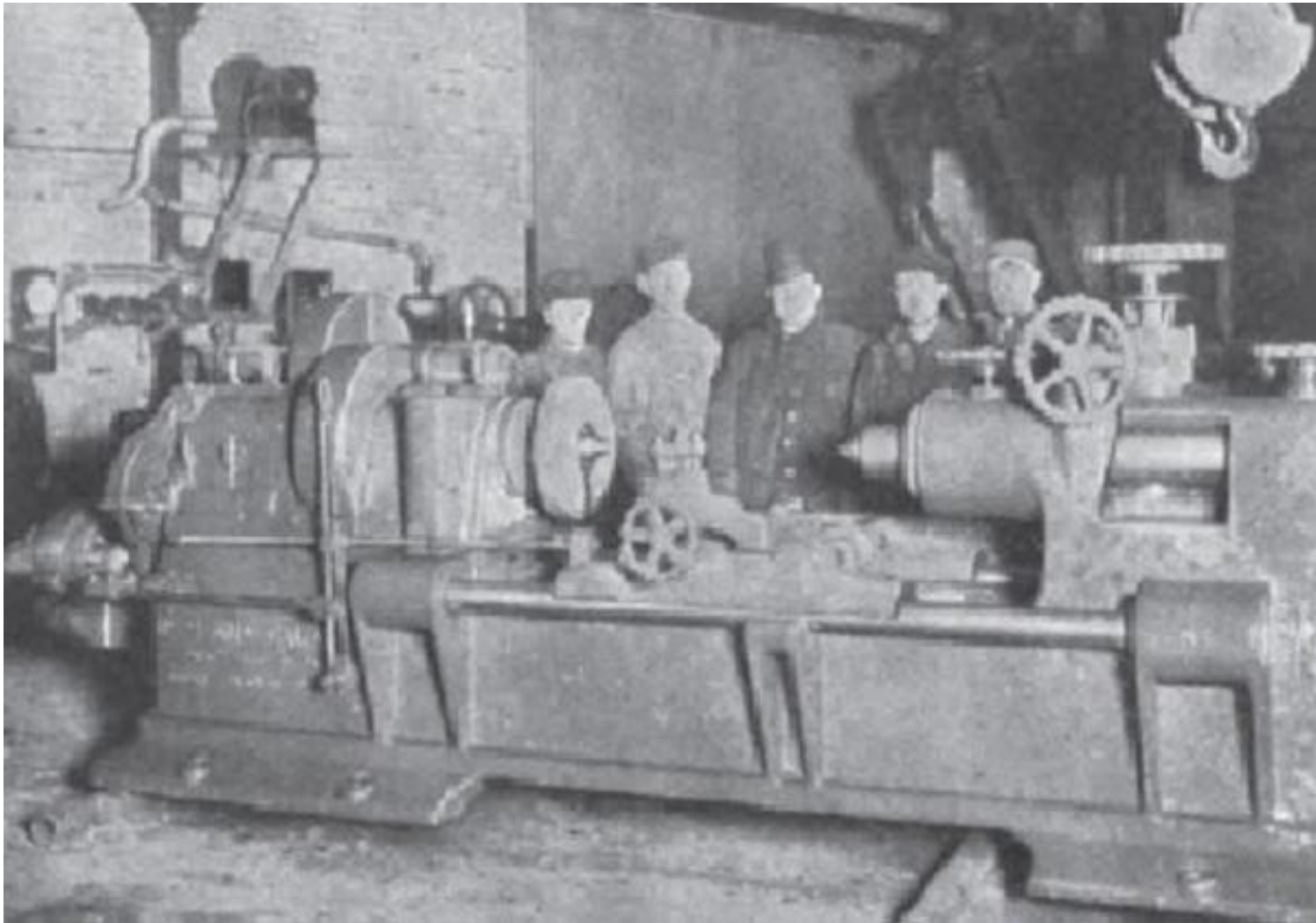
## Radically Cheap DIY Machine Tools



[oslathe.com](http://oslathe.com)

Pat Delany | [rigmach@yahoo.com](mailto:rigmach@yahoo.com)


The idea started with this almost-forgotten World War I metal lathe made from concrete.





# Thanks, Make, Dozuki, Engineering for Change, Tyler Disney for graphics

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 build, hack, tweak, share, discover

Pat | Reputation 391

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## The Multimachine \$150, 12" Swing, Metal Lathe/Mill/Drill

*Almost-free metal lathe, drill and milling machines. Accurate and scalable to any size. Technology used has been proven for almost 100 years. Easily made from scrap, steel bar and concrete. Built with common hand tools, a drill and a few small welds.*

Author: [Pat Delany](#) Time required: 2 months because concrete needs time to "season." Quick-setting concrete would make things faster. Difficulty: Difficult

☆ 8 x 0 x 4

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*The Lucien Yeomans "secret" that was almost lost.*

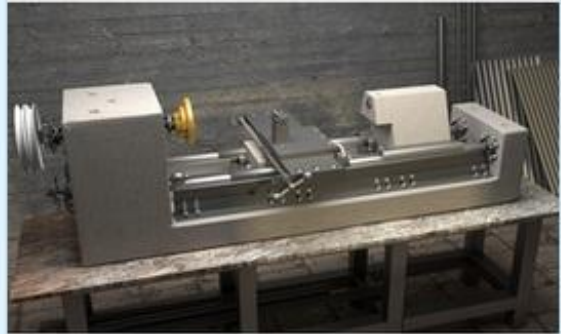
Your developing world school needs almost-free machine tools?

Your developing world factory needs unavailable spare parts?

You need a complex part that is too expensive to have made?

Need to bootstrap a factory but only have a few bucks?

[View](#) [Edit](#) [History](#)



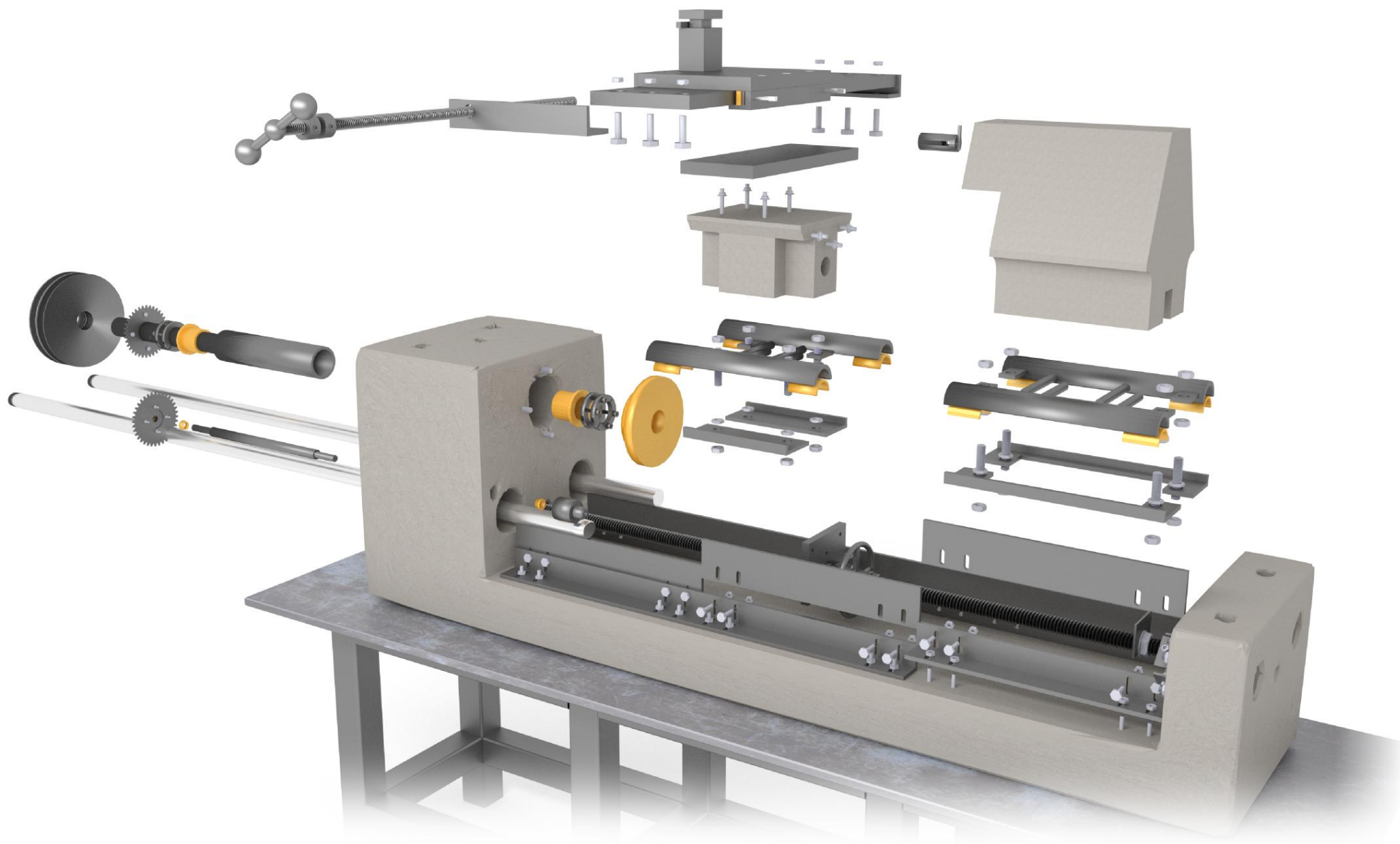
### Metalworking

Building with and working with metal.

15 Step-by-step Guides

[Start a New Guide](#)





Who are we?

The open source Multimachine group, formed in 2004.

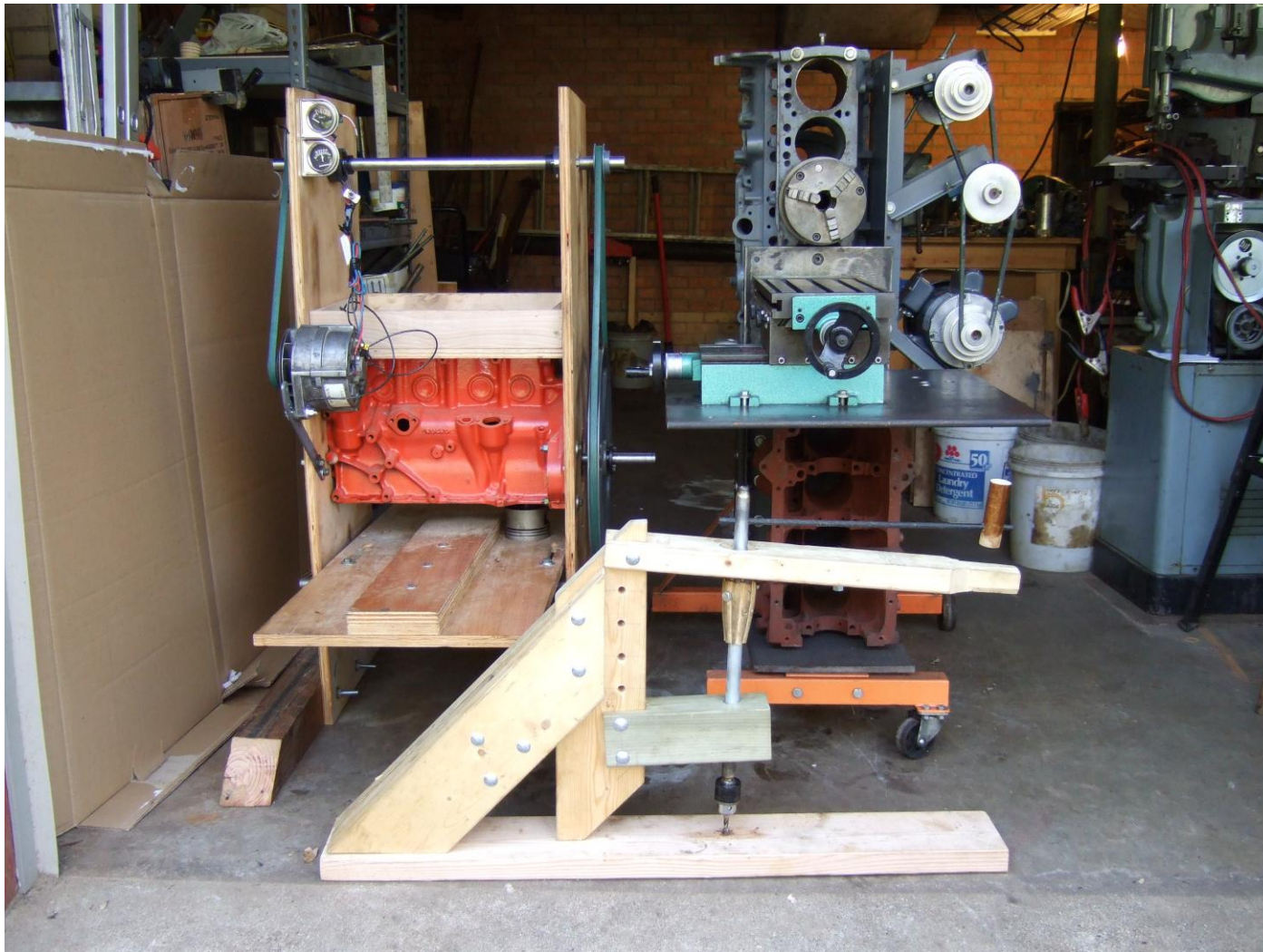
The first OSH project group?

The largest? 6800 members

The biggest project? 20+ tons!

**YAHOO!**  
Groups

Three earlier machines: The Multimachine, The Genny and the cheap drill that will go through almost anything



So...

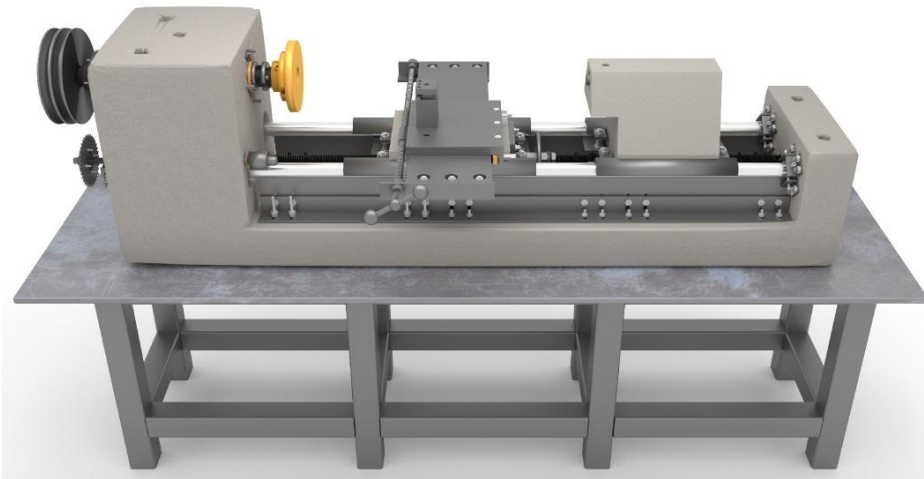
How to get the word out?



# Developing World “bubble-up-from-the-bottom” Strategy

Unique? Insane?

Problem: The lathe/brake resurfacing-machine technology needs to be transferred from HERE (the US) to THERE (underdeveloped countries).



To keep getting the word out:

Collect success stories and  
publicize them

# oslathe.com

Pat Delany | rigmatch@yahoo.com

