



# OFFICE OF ENGINEERING SAFETY

Dwight Look College of Engineering • Texas Engineering Experiment Station  
A safe and healthful environment for scholarship and research



## Abrasive Wheel Equipment (Grinders)

Download additional self-inspection checklists at <http://engineering.tamu.edu/safety/>

Date \_\_\_\_\_  
Inspector \_\_\_\_\_  
Faculty/PI \_\_\_\_\_

Room No. \_\_\_\_\_  
Location \_\_\_\_\_  
Dept. \_\_\_\_\_

Items for evaluation	Yes	No	Comments	Action to be taken
Is the work rest used and kept adjusted to within 1/8 inch of the wheel?				
Is the adjustable tongue on the top side of the grinder used and kept adjusted to within 1/4 inch of the wheel?				
Are goggles or face shields always worn when grinding?				
Is the maximum RPM rating of each abrasive wheel compatible with the RPM rating of the grinder motor?				
Are fixed or permanently mounted grinders connected to their electrical supply system with metallic conduit or other permanent wiring method?				
Does each grinder have an individual on and off control switch?				
Is each electrically operated grinder effectively grounded?				
Before new abrasive wheels are mounted, are they visually inspected and ring tested?				
Are dust collectors and powered exhausts provided on grinders used in operations that produce large amounts of dust?				
Are splash guards mounted on grinders that use coolant, to prevent the coolant reaching employees?				
Is cleanliness maintained around grinders?				