

EHS Recommended Buddy System Guidelines for Shop Safety Based on Hazard
(Specific Requirements may be modified on a case by case basis by appropriate Supervision.)

| Risk Category | Physical Hazards (Machine Shop)* | Buddy Requirements |
|-------------------------------|--|---|
| Tier 1: Highly Hazardous | <p>You will be working directly with Large Industrial tools (manual and automatic) and/or Light Industrial tools (typically benchtop, <1/2 hp, pneumatics, hydraulics), and/or High power portable and/or small bench tools (>1/2 hp, 10-15 amps at 120 VAC, 18-24 V pneumatics, hydraulics), and/or Medium power tools (1/4 - 1/2 hp, <10 amps at 120 VAC, 14-18V cordless). This tier also includes Welding.</p> | <p>You must have a buddy in the shop with you. This buddy must be trained according to the particular hazards/area you will be working in. Ensure the buddy knows the proper procedures for contacting Public Safety in case of an emergency.</p> |
| | <p>Examples: Milling machines (full-sized and benchtop), metal lathe, table saw, drill press, bandsaw, CNC Mill, power shear, jointer/planer, surface grinders, scroll saw, Circular saw, belt sander, reciprocating saw, chop/miter saw, router, mini-lathe, angle grinder, printing press, laser cutter, all types of welding.</p> | |
| Tier 2: Moderately Hazardous | <p>You will be working directly with Low power hand/small bench tools (2-4 amps at 120 VAC, <9V cordless) and thermal foam cutters</p> | <p>Have a buddy on-site but not necessarily in the shop with you. You must have a predetermined communication schedule. Ensure the buddy knows the proper procedures for contacting Public Safety in case of an emergency.</p> |
| | <p>Examples: Dremel tool, cordless drill <18V, palm sander, soldering iron, heat gun, 3D printer, sewing machine</p> | |
| Tier 3: No associated hazards | <p>You will not be working with any power tools.</p> | <p>Have a buddy who can be off-site but with a predetermined communication schedule. Ensure the buddy knows the proper procedures for contacting Public Safety in case of an emergency.</p> |

*Based on Yale Student Shop Safety Policies and Procedures

**NOTE: The lists of examples are not exhaustive. Not all relevant hazards are mentioned, these are just some common examples. Always check manufacturer's information or SDS for more information about hazards associated with use.

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