# CNC MACHINE SAFETY TIPS

## Be Prepared
- Ensure you have been trained in the use of the CNC machine.
- Inspect the equipment to ensure no obvious defects: damaged chuck, dull or cracked tools, damaged shields.
- Use appropriate personal protective equipment (PPE):
  - Safety glasses
  - Hearing protection
  - Non-slip safety shoes
- Remove rings, bracelets, watches, necklaces before work.
- Tie back and confine long hair.
- Wear tight fitting clothing and/or roll up sleeves to prevent snagging.

## Work Safe
- Do not use gloves.
- Ensure workpiece is clamped securely before starting machine.
- Check that tools are sharp and set correctly.
- Do not defeat any safeguarding system.
- Never reach into the CNC or an associated machine while the CNC is running.
- Use a brush or vacuum to clean chips off surfaces, do not use compressed air, hands or a rag.
- Keep hands clear during manual adjustments or flash control.
- Be aware of and remove burrs and sharp edges as soon as possible.
- Never reach into the discharge chute of chip conveyors.
- Maintain, lubricate and adjust machine in accordance with the manufacturer’s instructions only after the machine is stopped and locked/tagged out.

## Finish Right
- Clean the floor and work area around the machine.
- Ensure all warning signs are readable.
- Use a lockout procedure for cleaning and maintenance.
- Replace cutting coolant according to manufacturer’s instructions.
- Defective equipment must be tagged and removed from service.
- Clean and put away PPE.
- Let your supervisor know of any safety concerns and damage to the machine.

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**Speak up!**

If you see a hazard, let a supervisor know. Everyone plays a role in your safety and health.

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HOW TO USE SAFETY CHECKS FOR WORKERS

Safety checks provide information for workers on how to work safely with specific hazards. Safety Check information can be used in orientation training, tailgate talks or even in one-one coaching. Use the following tips to help you communicate this information in your workplace:

- Use language that is consistent with the workplace
- Consider the work you do and specific examples of how these hazards can result in injury or illness
- Explain how the safe work practices will help prevent injury and illness
- Wherever possible, use the actual tools, equipment, materials and PPE to demonstrate proper use
- Ask specific questions during your talk to check understanding
- Keep a record of each talk that you deliver (see the form below)
- Post a copy of the Safety Check for workers to reference

Date: ____________________________ Topic: __________________________________________________

Safety Check Session Leader: _________________________________________________________________

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OWNERS AND SUPERVISORS

Have you taken reasonable measures to control this hazard using the hierarchy of controls?

- Providing well-engineered machines with appropriate safeguarding
- Policies and procedures for proper use and maintenance
- Inspecting and repairing equipment regularly
- Training staff
- Implementing and enforcing PPE program

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