

Method	Safeguarding action	Advantages	Limitations
Presence Sensing Devices	Machine will not start cycling when the device senses any part of the operator's body during the cycling process. Immediate machine braking is activated.	Can allow more movement for operator.	Does not protect against mechanical failure. Limited to machines that can be stopped
Physical Restraint Devices	Prevents the operator from reaching into the danger area.	Little risk of mechanical failure.	Limits movements of operator. May obstruct workspace. Adjustments must be made for specific operations and each individual. Requires close supervision of the operator's use of the equipment.
Pullback Devices	As the machine begins to cycle, the operator's hands are pulled out of the danger area.	Eliminates the need for auxiliary barriers or other interference at the danger area.	Limits movement of operator. May obstruct workspace around operator. Adjustments must be made for specific operations and for each individual. Requires frequent inspections and regular maintenance. Requires close supervision of the operator's use of the equipment.
Safety Controls Devices	Stops machine when tripped.	Simplicity of use.	All controls must be manually activated. May be difficult to activate controls because of their location. Only protects the operator. May require special fixtures to hold work. May require a machine brake.

<p>Two Handed Controls</p>	<p>Concurrent use of both hands is required, preventing the operator from entering the danger area.</p>	<p>Operator's hands are kept away from danger area. Can be adapted to multiple operations. No obstruction to hand feeding. Does not require adjustment for each operation.</p>	<p>Operators may try to reach into danger area after tripping machine. Some trips can be rendered unsafe by holding with arm or blocking, thereby permitting one-hand operation. Protects only the operator. May require special features.</p>
<p>Gates</p>	<p>Provides a barrier between danger area and operator or other personnel.</p>	<p>Can prevent reaching into or walking into danger area.</p>	<p>May require frequent inspection and regular maintenance. May interfere with operator's ability to see work.</p>