

## CTD Risk Index

Job Title:	VCR Counter No.:	Date:
Job Description:	Department:	Analyst:

Cycle Time (in minutes; obtain from videotape)		ã
# Cycle/Day = $\frac{(480 \& Lunch \& Breaks)}{CycleTime}$ =	ã a	Larger of ã a or ã b:
# Parts / Day (if known)	ã b	
# Handmotions / Cycle		â
# Handmotions / Day (â x ã)		æ

<b>Frequency Factor (Divide æ by 10,000) =</b>
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(Circle appropriate condition)	Points			
	0	1	2	3
Working Posture	Sit	Stand		
Hand Posture 1: Pulp Pinch	No	Yes		
Hand Posture 2: Lateral Pinch	No	Yes		
Hand Posture 3: Palm Pinch	No	Yes		
Hand Posture 4: Finger Press	No	Yes		
Hand Posture 5: Power Grip	Yes	No		
Type of Reach	Horizontal	Up/Down		
Hand Deviation 1: Flexion	No	Yes		
Hand Deviation 2: Extension	No	Yes		
Hand Deviation 3: Radial Dev.	No	Yes		
Hand Deviation 4: Ulnar Dev.	No	Yes		
Forearm Rotation	Neutral	In/Out		
Elbow Angle	' 90E	...90E		
Shoulder Abduction	0	<45E	<90E	>90E
Shoulder Flexion	0	<90E	<180E	>180E
Back/Neck Angle	0	<45E	<90E	>90E
Balance	Yes	No		
Total the Points for the Circled Conditions				ç

<b>Posture Factor (Divide ç by 10) =</b>
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Grip or Pinch Force Used on Task	è lbs.	ê Divide è by é:
Max Grip or Pinch Force	é lbs.	

<b>Force Factor (Divide ê by .15) =</b>
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(Circle appropriate condition)	Points			
	0	1	2	3
Sharp Edge	No	Yes		
Glove	No	Yes		
Vibration	No	Yes		
Type of Action	Dynamic	Intermittent	Static	
Temperature	Warm	Cold		
Total the Points for the Circled Conditions				ë

<b>Miscellaneous Factor (Divide ë by 3) =</b>
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<i>CTD Risk Index = .3 x (Frequency + Posture + Force Factors) + .1 x (Miscellaneous Factor)</i>				
<b>CTD Risk Index = .3 x (</b>	<b>+</b>	<b>+</b>	<b>) + .1 x (</b>	<b>) =</b>