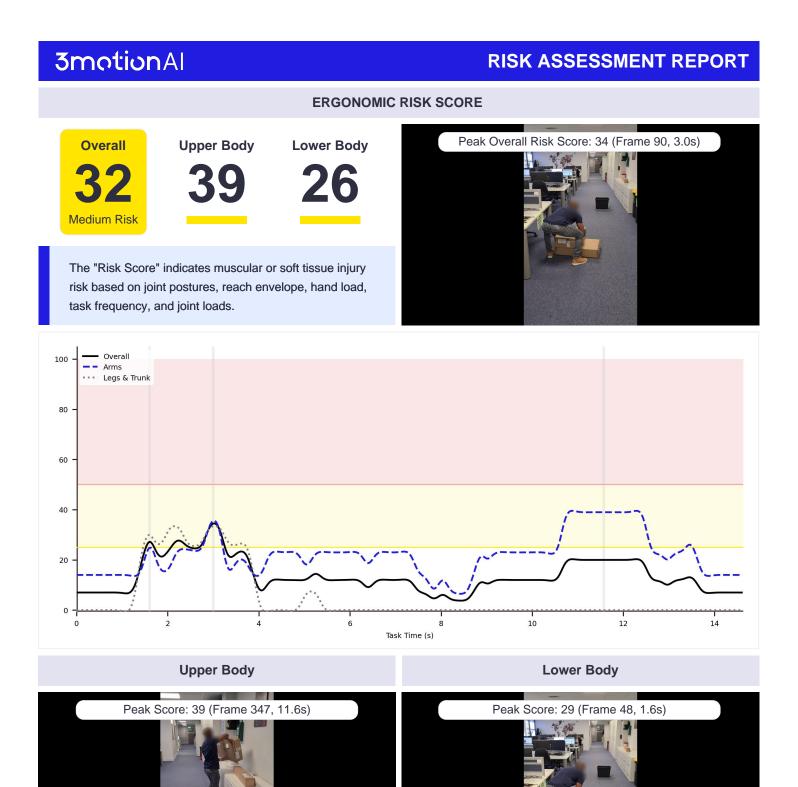
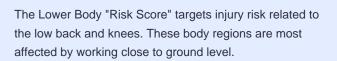


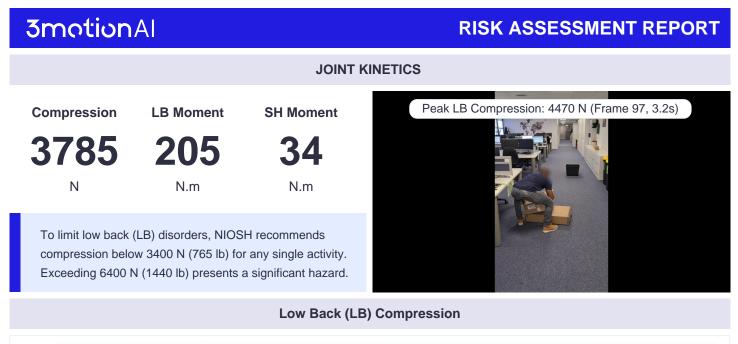
Recommendations to Reduce Risk

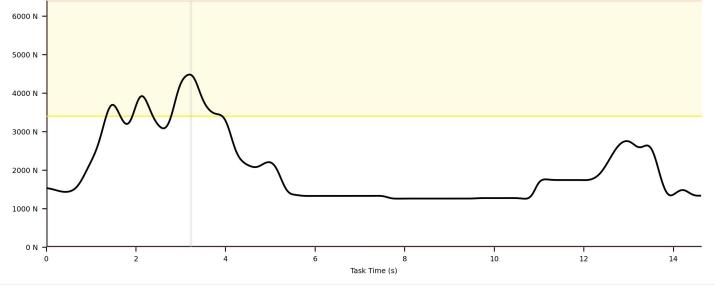
Your analysis showed moderate overall risk (particularly for the upper body) with the shoulders as the riskiest joint. Consider lowering the work location to limit shoulder flexion and reduce the risk level.

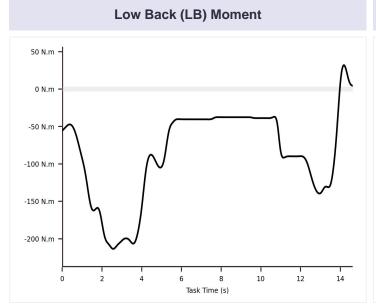


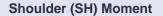
The Upper Body "Risk Score" targets injury risk related to the neck, shoulders, elbows, and wrists. These joints are most affected by reaching and work above the shoulders.

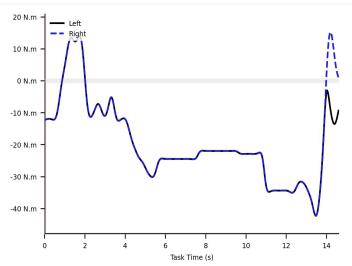










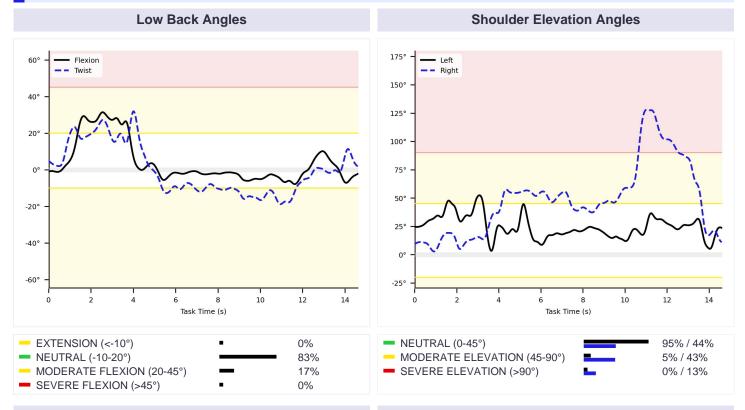


3motionAl

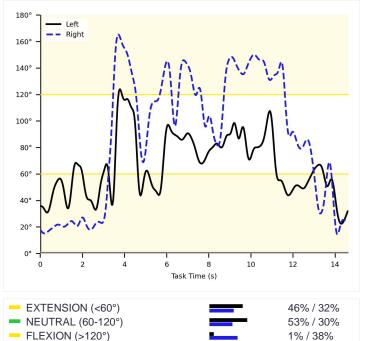
RISK ASSESSMENT REPORT

JOINT KINEMATICS

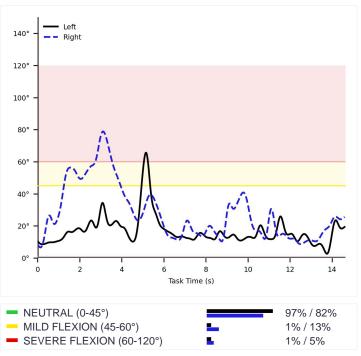
The 3motionAl system uses advanced computer vision and artificial intelligence (Al) to track human body motion. It creates a detailed, scaled 3D body model, which is used to calculate 3D joint angles. Research shows that injury risk is minimized when joints are in a neutral posture, while extreme postures can increase the likelihood of injury.



Elbow Flexion Angles



Knee Flexion Angles



3motionAl

RISK ASSESSMENT REPORT

RAPID ENTIRE BODY ASSESSMENT (REBA)

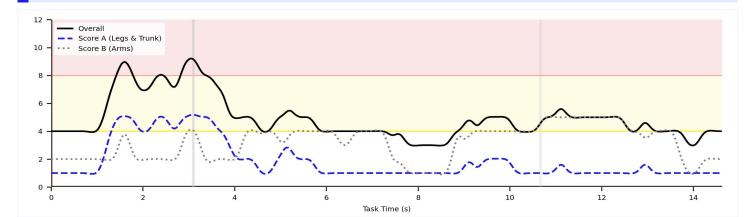
Scoring outcomes based on Rapid Entire Body Assessment (REBA), Highnett & McAtamney, Applied Ergonomics 31 (2000), 201-205.

1: Negligible Risk

2-3: Low Risk. Change may be needed.

4-7: Medium Riisk. Further investiagte and change soon. 8-10: High Risk. Investigate and implement change.

11+: Very High Risk. Implement change.



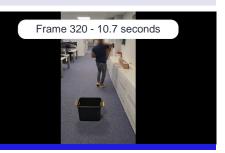
Peak Overall REBA Score

Frame 93 - 3.1 seconds

Peak A Score (Legs & Trunk)

Peak B Score (Arms)





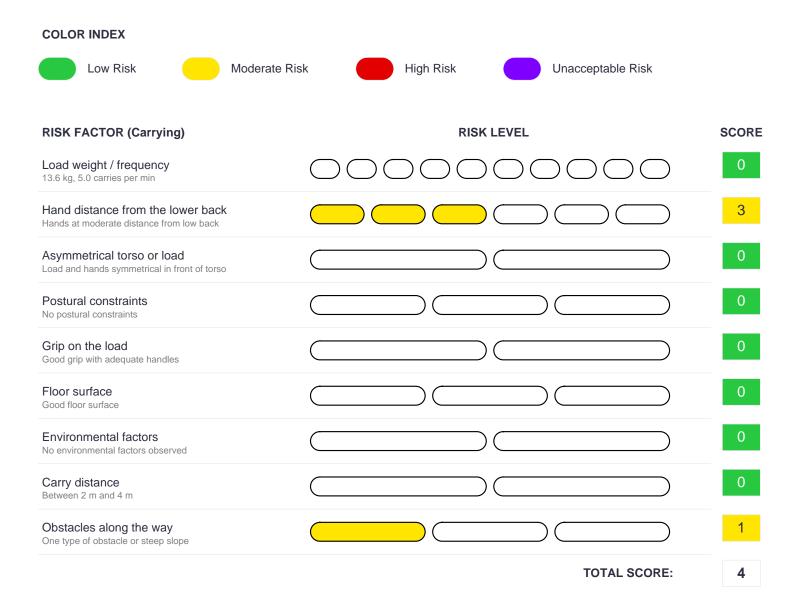
	Posture	Adjust	Score		Posture	Adjust	Score		Posture	Adjust	Score
NECK	2	0	2	NECK	2	0	2	NECK	1	0	1
TRUNK	3	0	3	TRUNK	3	0	3	TRUNK	1	0	1
LEGS	1	2	3	LEGS	1	2	3	LEGS	1	0	1
UPPER ARM	3	0	3	UPPER ARM	3	0	3	UPPER ARM	4	0	4
LOWER ARM	2	-	2	LOWER ARM	2	-	2	LOWER ARM	2	-	2
WRIST	1	0	1	WRIST	1	0	1	WRIST	1	0	1
LOAD	COUPLING		ACTIVITY	LOAD	COUPLING		ACTIVITY	LOAD	COUPLING		ACTIVITY
2	0		1	2	0		1	2	0		1
13.6 KG	Good		5.0 / MIN	13.6 KG	Good		5.0 / MIN	13.6 KG	Good		5.0 / MIN
A SCORE	B SCORE	ſ	OVERALL	A SCORE	B SCORE		OVERALL	A SCORE	B SCORE		OVERALL
6	4		10	6	4		10	1	5		5

3motionAl

MANUAL HANDLING ASSESSMENT CHARTS (MAC) - CARRYING ASSESSMENT

The Manual Handling Assessment Charts (MAC)

This tool is designed for employers, health and safety managers, safety representatives, and inspectors. It helps assess common risk factors in lifting, lowering, and carrying tasks, identifying high-risk manual handling activities. The tool provides guidance on the key factors to modify and control these risks to improve safety.



Action Your Risk Data

Review the color and numerical scores, focusing on amber and red risks. Modify tasks to reduce these risks and prioritize actions by addressing the task with the highest total score first.