

# Smarter Assessments with Artificial Intelligence



## Sensorless Motion-Capture Technology

Now there's a smarter way to assess jobs for musculoskeletal disorder (MSD) risk using the [Humantech software](#) from VelocityEHS. This technology, powered by [Kinetic Labs](#), harnesses artificial intelligence and computer vision to help you accurately assess jobs and quickly capture real-time data with the video camera on any mobile device.

## Why motion capture?

- **Accurate** - Eliminate the variability and human error that comes with traditional, observations-based methods.
- **Fast** - Reduce the assessment process from hours to just minutes. Spend more time engaging with employees and fixing jobs.
- **Precise** - Obtain greater fidelity and gather more data than the human eye can see.
- **Easy** - No in-depth training is needed, and no extra equipment, sensors, or wearables are required.

## Three easy steps:

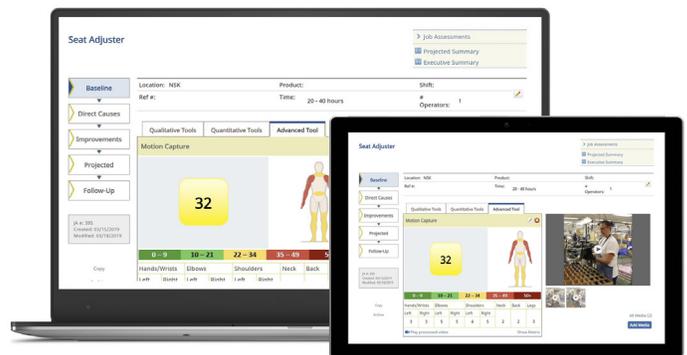
1. Take a video of an operator performing a job or task.
2. Upload it to the Humantech industrial ergonomics software.
3. Receive results in minutes.

## How it works:

Through artificial intelligence and computer vision, the software recognizes body segments and records joint angles, frequencies, and durations of the postures during movement. The output displays a skeletal overlay on the original video, and indicates the risk levels in colored lines.

## Who can use it?

Anyone looking to accurately and quickly assess jobs for MSD risk can benefit from this new technology. From ergonomics teams to design engineers, this method supports a participatory approach to ergonomics, involving and engaging many, resulting in a visible and sustainable process.



## Questions on Loss Control or Safety

### Contact QBE

- Visit the site: [QBE Risk Solutions Center](#)
- Call QBE at: **888.560.2635**
- Email QBE at: [RSC@us.qbe.com](mailto:RSC@us.qbe.com)

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