

# JointAction Solutions®

## Injury Prevention Redefined.

**S**afety First has been the major cultural shift in workplaces over the past decade. The initial focus has generally been upon Serious Injury and Fatality (SIF) potentials and incidents. These high impact but low volume situations by their nature quite rightly determine this priority. However, a more complete safety culture requires a holistic approach to both the identification, management and response to broader workplace safety issues.

**T**he more frequent, lower impact musculoskeletal disorders (MSD) have been given a lower priority for a variety of reasons. It can often be hard to identify the specific cause of an MSD injury as they may be the result of ongoing or prolonged exposure to risk activity. The actual point at which injury presents itself may in fact have little to do with the precise action being taken at the moment injury is recognised. To date much of the risk assessment process for MSD injury has focused on subjective assessment processes and with the lack of precision over assessment outcomes, the cost benefit of extensive MSD risk assessments becomes difficult to justify.

**Joint Action Solutions has changed the face of workplace manual handling risk assessments.**

**V**ia its automated processes, Joint Action Solutions (JAS) delivers quality, objective and quantifiable analysis and reporting of MSD risks and their contributing factors across manual handling tasks. Joint Action Solutions provides these outcomes via a low-cost business model while still delivering users the highest level of objective risk assessment data and resources.

JAS uses wearable sensors and video to capture data in real-time on an iPad. Sensors are non-intrusive (not attached directly to the employee's skin) and are fitted to head, neck, arms and lower back. But that's the bit that anyone can do.

The strength of Joint Action comes through what you can't see. An individual sensor captures only the specific data for the joint/muscle group where it's located.

**Our system takes the data from all sensors, assessing the combined effects of movement (and non-movement) on different joints and muscles. This yields a consequential scoring based on the cumulative impacts of the task activity. This data is then automatically compared to real WorkCover claims data to provide a true risk score assessment.**

Whilst assessments are generally handled face-to-face between worker and assessor, Joint Action Solutions has the capability of being safely delivered where on-site access is either restricted or prohibited during the current Covid-19 situation.

In recent months focus has been on handling Covid-19 concerns. Ensuring worker safety as large numbers of people return to regular duties is seeing an increased focus on workplace safety as companies move to tighten task libraries and injury risk assessments.

Our systems were developed in conjunction with the coal industry through ACARP research funding within recent years. We have subsequently refined and rolled it out for application across other industries wherever manual tasks are a potential MSD injury risk for workers. Joint Action Solutions is aligned to the Australian Model Code of Practice; Hazardous Manual Tasks 2016 and exceeds both the USA NIOSH and UK MAC standards.

**Joint Action Solutions are helping employers to make real and significant improvements to the safety of their workers.** Employers are achieving this on a lower cost basis and in many cases are opening the doors to discussions with their insurers to lower claims and WorkCover insurance premiums. The ability to demonstrate very clear quantifiable risk reductions through their Joint Action Solutions assessments has made such discussions feasible.

## OUR PRODUCTS

### JAS Performance

JAS Performance is a powerful automated risk assessment tool primarily focused on work task comparisons.

It is used by clinical and safety personnel for high level task analysis and in measuring administrative controls.

### JAS Premium

JAS Premium is our high end risk analysis tool providing immediate comprehensive reports at no additional cost to your subscription.

It allows extensive comparative pre and post comparisons, "what if" scenarios and background data referencing. The data export capability from the JAS portal provides incomparable analysis, comparison and reporting capability.

### JAS Professional

For some typically smaller companies or for those not currently working with an external workplace occupational health provider, via JAS Professional we can deliver the experts you need to do the task analysis and to develop engineering controls.

JAS Professional encompasses a wide range of risk analysis skills and engineering solutions. Our team of ergonomists, physios, engineers and consultants can deliver on-site or remotely.

### JAS Portal

The JAS Portal is used by safety managers to set up and report on task analysis. This cloud-based solution makes the captured data analysis useful. The data can be exported to spreadsheets for analysis or to be integrated into safety management systems.



### The JAS Sensor Kit

Delivered in a sturdy, rigid carry case, the JAS kit includes:

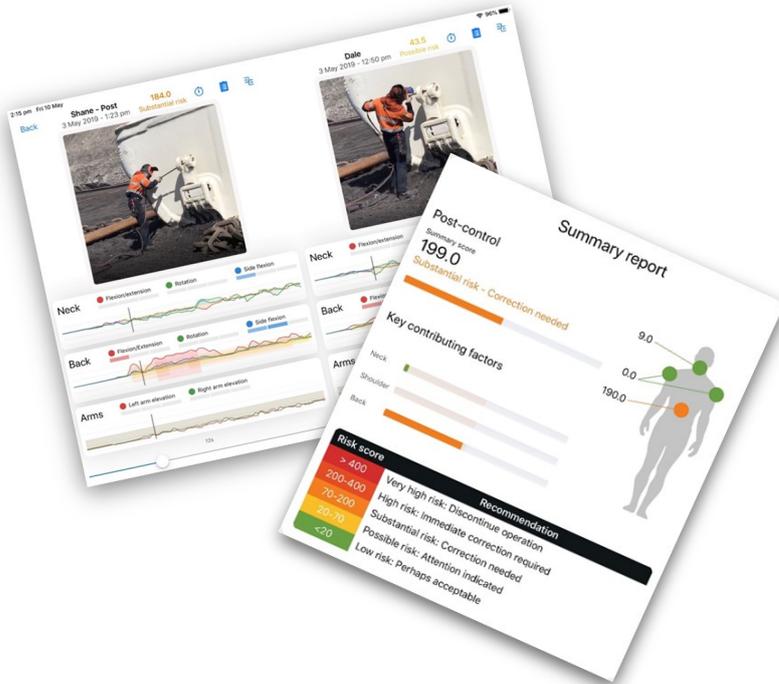
- 6 sensors (5 + 1 spare)
- sensor holders, straps and clips
- Chargers, instructions, etc
- iPad, configured and ready to go

An important point to remember, an individual assessment does not attract a separate charge. Subscriptions are monthly and you can complete as many assessments with a single kit as you like with no additional charge.



Using sensors together with iPad video capture, data can be viewed and assessed on-site in real-time. It provides the opportunity for trialling admin controls and reviewing pre and post risk scores during the same assessment window.

Joint Action Solutions provides the user the opportunity to assess based on a single assessment, the impact to risk of task duration, frequency across a worker's entire shift, perceived loads etc.



These assessments also provide an immediate and engaging training and review opportunity with workers as they can see with video and other charting support, the very specific impacts of elements of the task.

The assessment process ceases to be one of subjective analysis and form filling from the worker's perspective.

The JAS Portal provides powerful opportunities for analysis and use of the risk assessment results.

It provides more detailed analysis of the assessment information including detailed summaries of where most injury risk lies and also which aspects of the task represent the highest risk exposure.

It is also where users can access video and data for export for inclusion into detailed reporting or the company's existing safety management systems.



## Why Joint Action Solutions

- ◆ Ensures consistent, quality, objective data capture and analysis based on cumulative calculations of movement (and non-movement) combined with comparative analysis with real WorkCover claims data
- ◆ We are constantly evolving and upgrading our systems and those upgrades are included in a client's monthly licence fee
- ◆ The efficiency of data capture means you are able to complete significantly more assessments with no restriction on the number of individual task assessments that can be completed under a monthly subscription
- ◆ Built into the on-site tool, is the ability to consider in real-time the inclusion of various subjective measures such as task duration, frequency during shift, perceived loads, sitting vs standing, along with a variety of descriptive recording capabilities
- ◆ Ability to deliver risk assessments with or without site access – particularly valuable during the Covid-19 pandemic
- ◆ Where you have multiple locations or multiple people conducting the same task, you have the ability to review and compare even when assessments are conducted at separate times to each other
- ◆ The data and reporting tools provide you substantial resources with which to either build or upgrade existing task libraries
- ◆ As JAS Premium reports on the specific contributory risk factors, the information gathered opens up a number of training/further risk mitigation opportunities for users. For example, one client has devised individual warm-up exercises appropriate to specific tasks. A warmup exercise for shoulders for a task that is predominantly risking lower back injury is of limited value. Workers who have had little interest in general warm-up exercise sessions, have proven to be much more engaged with specific warm-ups when they understand the actual benefits in relation to the task they are about to undertake.
- ◆ JAS Premium tools provide a range of resources to make toolbox meetings more productive and efficient
- ◆ Due to the objective nature of the data and analysis, HSE managers are able to clearly demonstrate the very real risk reductions that are achieved via the pre-and post control assessments
- ◆ Ability to conduct remote non-video assessments across an entire worker shift/range of tasks
- ◆ Aligned to the Australian Model Code of Practice; Hazardous Manual Tasks 2016 and exceed both the USA NIOSH and UK MAC standards
- ◆ The ability to negotiate lower WorkCover insurance premiums based on demonstrable reductions in risk
- ◆ Greater worker engagement and recognition of task specific safety issues

For more information or to set up an online Zoom demonstration, contact:

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