

Merford Dynamic Seat

Low back pain is a major cause of sickness and disability in industrialised countries. Especially crane drivers, who are working in difficult working postures, are suffering from back complaints. Back and/or neck problems will affect productivity, lead to costly medical bills, or increase downtime, not to mention the overriding matter of the individual's health.

Cause

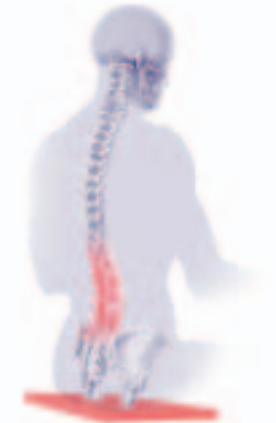
- Prolonged bending of the spine
- Whole Body Vibration.
- Lack of body movement due to prolonged sitting.
- Insufficient nutrition of the avascular intervertebral disc because of a lack of spinal motion.

Solution

- **Merford Dynamic Seat**, with integrated Rotative Continuous Passive Motion (RCPM) system.

- **RCPM** stimulates the “pumping mechanism” of the disc to allow the disc to reabsorb fluid and regain height over time.
- Decreased contact forces on facet joints, increased foraminal space and normalised pressure distribution in the disc reduces low back pain. Especially in situations with stochastic vibration.

problem



solution

