



AFFORDABLE ERGONOMIC SOLUTIONS

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Are Your Workers Still Swinging Hammers?



This traditional method for driving parts ranks as the 3rd leading cause of injury in the manufacturing of metal products (behind overexertion and falls).^{} While most injuries include broken or badly bruised fingers or thumbs, long term exposure to the repetitive motion of “swinging” can and does lead to Carpal Tunnel Syndrome and other health problems. Serious injuries can result in more than a month off work, leave lasting disabilities, and cost employers well in excess of \$50,000 per occurrence.*

HONSA invites you to join us in our **WAR ON HAMMERS!**

Improve Your Assembly Productivity!

For 30 years, Honsa has designed solutions for driving pins, dowels, shafts, plugs, axles, bearings, bushings and similar parts – up to 70 pounds and 6” in diameter. Typically, solutions are engineered to complete an assembly in 3 seconds or less.

CASE STUDIES

The application at right required 12-13 blows to drive a 1” pin, about 15 seconds. The Honsa solution drives the pin in 3 seconds, 1/5th the time.



Here, an 8 lb. hammer is swung to drive 6 rods at 12 seconds per rod, or 72 seconds to complete the disassembly. The Honsa solution drives each rod in 2.75 seconds, or in less than 1/4 of the time.



HONSA’s time saving solutions are achieved through experience, state of the art engineering, 3-D printing, the use of superior materials and proprietary heat treating. We’ve also pioneered “non-mar” drivers to protect metal and/or painted surfaces when this is required. To learn more, call or email HONSA today!

Honsa Ergonomic Technologies, Inc.

^{*} Source: <http://www.claimsjournal.com/news/national/2015/01/14/260196.htm>

Reduce Workplace Injuries with HONSA Low Vibration Tools!

For 30 years, leading OEMs in Automotive, Construction/Heavy Equipment, Agriculture, Aerospace, and all Defense Branches of the United States Government have chosen HONSA Low Vibration tools to reduce injuries.

Take a closer look at HONSA's Signature, Low Vibration Technology...

Nearly all competitor tools still use 100 year old technology with no vibration protection. Over time, the damaging vibration given off by these "generics" can lead to CTS (*Carpal Tunnel Syndrome*), HAVS (*Hand-Arm Vibration Syndrome*), or both, and may include VWF (*Vibration White Finger*).

Honsa's low vibration technology effectively blocks damaging vibration from reaching the operator. A special polymer is integrated into the housing of the tool that reduces harmonic frequency. The result is significantly less vibration transfer, which helps protect the operator.



Honsa's Ergonomic Vibration Damping System. Note how this proprietary technology "isolates" the barrel and piston from the tool's grip, significantly reducing the transmission of damaging vibration to the operator's hands. And with no moving parts to break down or wear out, HONSA Low Vibration will last for the life of the tool. NO MAINTENANCE REQUIRED!

An off-shore generic with no vibration protection. Here, metal-to-metal contact transmits all vibration to the operator's hands and arms.

Improved Productivity + Reduced Injuries = Increased Profit!

"The \$120,000.00 return on investment for this project was demonstrated with reduced injuries and we achieved that return in 1 year from the date of installation." Steven A. Adams - DaimlerChrysler Foundry Safety Director (Retired)

"With IR tools our operators took multiple breaks to allow the "feeling" to return into their fingers and hands. After using Honsa tools for just 3 months, my guys can clean a furnace without stopping." Gary B. – Safety Dept. at a Midwestern Aluminum Die Casting Co. (Customer name withheld on request).

A study by D.S. Chatterjee of workplace upper limb disorders on 695 automotive workers found that "upper extremity cumulative trauma disorders" dropped by 95% in one year with the implementation of vibration-reduced power tools. Washington State Department of Labor and Industries

HONSA can provide you with current OSHA figures on "The Cost of Injuries" due to repetitive hammer swinging and the use of generic air tools. Simply contact us and we will be happy to share this data with you.

Contact HONSA today and let's create a win-win solution for you and your workers!

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