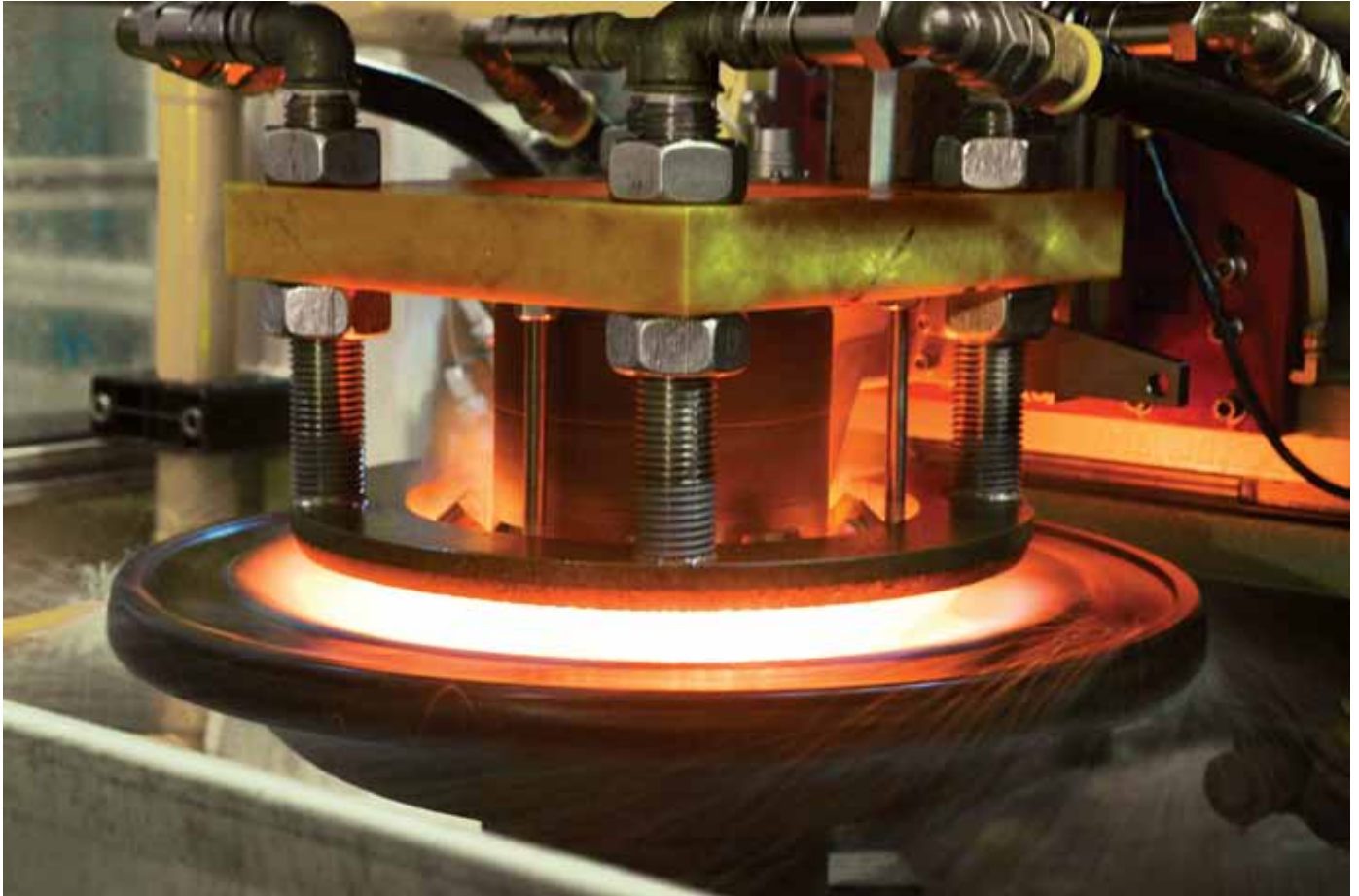


# innovativeHeating

For Automotive Manufacturing



# Scan Hardening

Vertical and Horizontal

# Customized Solutions



Heavy duty moving coil vertical scanner handles up to 120" parts



Automatic hardening machine for crankshaft pins, journals and flanges (walking beam transportation)



Compact modular vertical scanner handles up to 40" parts



Tempering tunnel for CV joints



Extra heavy duty vertical scanner handles parts up to 160" diameter and 4,000 lbs.



Ball stud hardening machine hardens, tempers and quenches up to 240 parts per hour on a rotating turntable.

# Proven Capabilities

## Power Supplies

Transithermic - Wide Frequency Range



Single shot shaft and axle hardening system with cycle time as short as 8 seconds



10 or 20 kW LL Type  
50 to 150 kHz



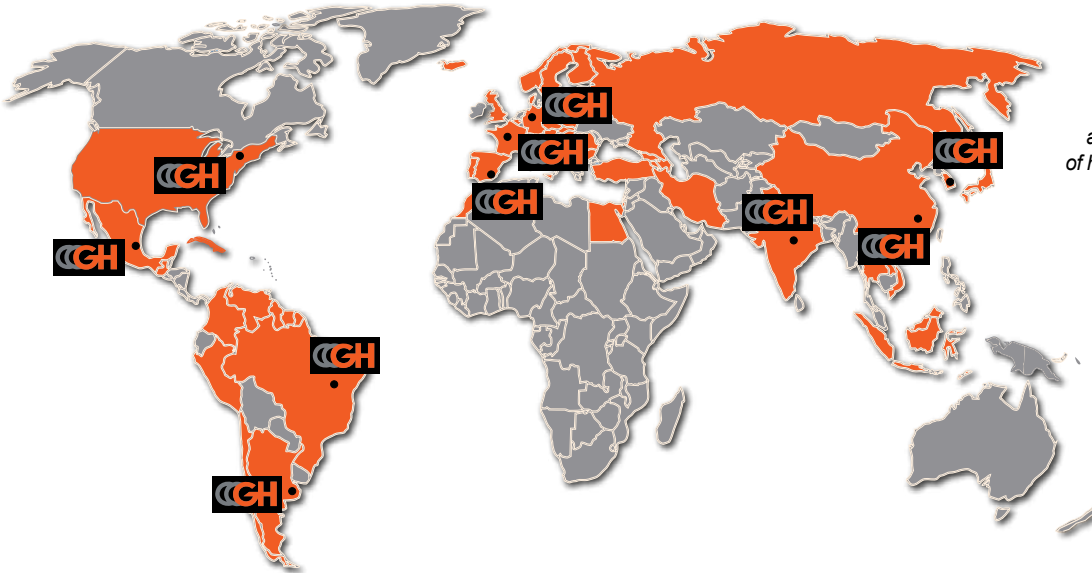
Transithermic® PM and PH Type  
0.5 to 150 kHz • 100 to 300 kHz



Automated CV joint and tulip hardening system with 12-second cycle



Transithermic® SM and SH Type  
150 to 400 kHz • 0.5 to 20 kHz • 20 to 150 kHz



*GH Induction Atmospheres is part of the worldwide GH Group, one of the largest and most experienced suppliers of heating solutions for automotive manufacturing applications.*

**GH Induction Atmospheres** is an experienced industrial heating system integrator working solely with induction-based technology. We design and manufacture customized, turnkey induction heating systems for industrial heat treating, brazing, welding, hardening and general purpose heating.

GH IA was founded in 2002 in Rochester NY. In 2010, GH IA became part of the worldwide GH Group.

**GH Group** is one of the largest most experienced induction heating companies in the world with headquarters in Valencia, Spain, and affiliated companies in the USA, Germany, France, Mexico, Brazil, Argentina, India, and China. The GH Group has extensive experience in providing custom designed manual and automated production systems for induction heat treating. In addition to experience with many industrial applications, the GH Group has also developed innovative **heating** power supplies able to cover wide frequency ranges and systems for gear tooth hardening, wire and cable heating and pipe welding. For more information, please visit <http://www.ghinduction.com/>.



With over 4000 installations in more than 50 countries, GH Group has developed long standing relationships with most of the first, second and third tier automotive companies.



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