



NEXT GENERATION TECHNOLOGY: SMART ELECTRIC FURNACE



World Leaders
in Galvanizing Plant
for Half a Century

HASCO SMART ELECTRIC

Sustainability is high on the agenda for businesses right now. External pressures from customers, those within the supply chain, and governmental regulations means that adequate time and resources must be invested into implementing and introducing the latest advancements within this arena.

And with galvanizing being the original green solution, it's important that your processes, procedures and equipment also support in this drive to protect our planet.

With this in mind, we're proud to launch our Smart Electric Furnace: designed with the latest technology to support even the most forward-thinking companies achieve their goals. No longer needing to burn fossil fuels, oil or natural gases, means that introducing our Smart Electric Furnace has the potential to remove all carbon emissions within this part of the process. Helping you on your journey to net zero.

WHAT IS HASCO'S SMART ELECTRIC FURNACE?

Our Smart Electric Furnace not only helps future-proof our planet, but it also boasts industry-leading technology, making the process easier, more efficient, and more effective.

Replacing the need for traditional burners (and even traditional electric furnaces), we're proud to share the smart solution. Thanks to its innovative intelligence, it's curated with the user in mind: reducing maintenance, effort and costs, enhancing sustainability credentials, and providing real-time monitoring and analysis.

The Smart Electric Furnace is really changing the game...

Replaceable Heating Panels: Using isolated heating panels allows for any replacements to be carried out without needing to shut down the entire process, cause delays to workloads, or throw away working components.

Uniformed Heat Input: The uniformed heat input ensures there are no 'hot spots', or cold areas within the kettle, which might cause it to become weakened in places. Therefore, it will enhance its usage and productivity and reduce the likelihood of zinc leakage.

Intelligent Power Control: This intelligent power management system turns the electric furnace into a smart, grid-aware asset rather than a fixed electrical load.

By precisely matching electrical input of different heating zones to real thermal demand, it reduces peak power, improves efficiency, and protects furnace and grid infrastructure.

When integrated with auxiliary electric equipment, solar and wind power source, and on-site battery storage, it enables coordinated peak shaving, energy arbitrage, and grid-support functionality.

Designed for future flexibility markets, the system improves resilience, extends equipment life, and provides a clear pathway to net-zero-ready, grid-interactive electric furnace operation.

Zinc Leak Detection and Alarm: In the unlikely event of zinc leakage, an alarm will automatically be triggered notifying you of the issue – and enabling a swift resolution.

High Efficiency and Low Energy Cost:

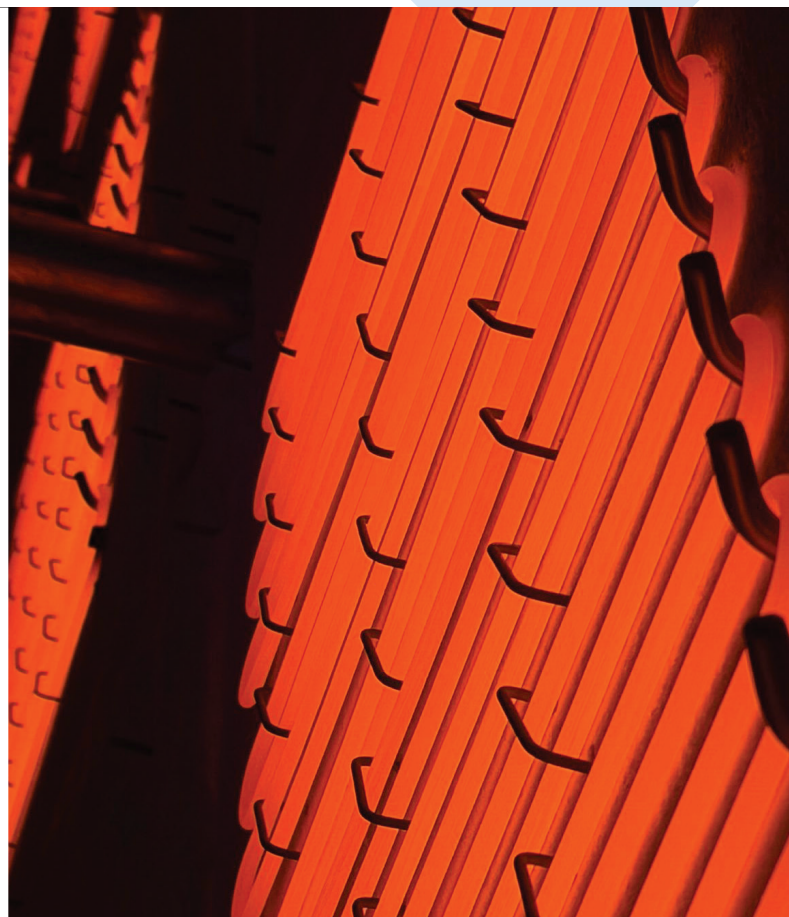
Negating the need to burn fossil fuels sees the furnace emit zero carbon emissions, increasing your sustainability credentials AND saving you money. *(In fact, savings can be as great as 10% - in comparison to other furnaces currently available).*

Easy To Maintain: Able to easily identify if – and, more importantly, where – there is an issue with the furnace means you can quickly implement a solution. And with its state-of-the-art equipment segregated (where possible), you can repair or resolve an issue without needing to shut down the whole system or hinder the entire production line.

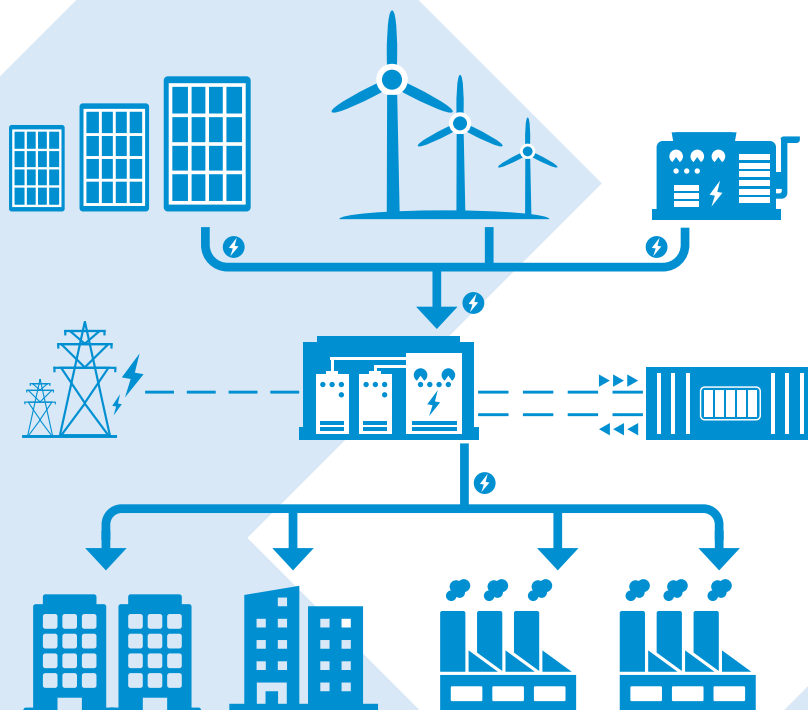
Remote Monitoring and Furnace Weekly Health Report: Connectivity is key. The weekly health reports will analyse your furnace and automatically indicate if it's operating as it should and/or where changes can be made to ensure optimum efficiency.

Compatibility: The best part? It's compatible with our Hasco Remote Solution. And so, if you encounter an issue or error with your furnace, our team of global engineers and experts are on-hand to remotely access it, communicate with you in your language, and assist in getting you back up-and-running as swiftly and smoothly as possible.

Plus, our Smart Electric Furnace is also designed to work alongside a gas combustion system, offering a hybrid option to balance energy costs between day and night, while also significantly reducing carbon emissions. .



SUSTAINABLE GALVANIZING THROUGH SMART ELECTRIFICATION



WHAT'S NEXT...

But that's not all! We're continually striving to implement further developments and advancements - to enhance the way in which you do business, while also supporting you on your journey to net zero. Our team of experts are currently working towards developing an innovative hybrid furnace with a groundbreaking design - stay tuned for updates.

Interested to find out more, or how a Smart Electric Furnace could enhance your business operations?

GET IN TOUCH WITH ONE OF OUR TEAM TODAY

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