

如保導入「廢油循環槽」降低螺帽製程碳排



“Waste Oil Recycling Trough” Lowers Carbon Emission



Taking the Lead and Encouraging the Industry to Lower Carbon Emission Together

Hu Pao winning the award is exemplary for other small and resource-constrained enterprises, and will surely have a positive effect on encouraging carbon reduction in the industry. It is worthwhile for the industry to learn from Hu Pao in terms of how to effectively conduct carbon inventory and data management, improve resource efficiency and reduce operating costs, respond to CBAM reporting and environmental regulations, the exchange of experience and cooperation in cross-sector alliances and platforms, and how to enhance its image and attract customers through carbon reduction measures. As the only fastener enterprise in Tainan in 2024 to receive the award, G.M. Wang noted, “The establishment of a carbon inventory mechanism and calculation, upgrading to high-efficiency and low-energy-consumption equipment & manufacturing, shortening transportation distances from suppliers, switching to renewable energy, reporting in accordance with CBAM, strengthening technology and material R&D, and reinforcing employee training and carbon awareness are definitely the future directions Taiwan fastener industry should focus on.”

Hu Pao Industries participated in the SBIR program promoted by Tainan City Government and has been awarded one of the Best 10 performers among the 55 grant receivers in 2024.



Carbon Reduction Savior- Waste Oil Recycling Trough Realizes Resource Recycling

Waste oil generated from production lines will have a great impact on the environment if it is not properly treated. **The Waste Oil Recycling Trough introduced in Hu Pao's production lines converts waste oil into reusable low carbon emission lubricant through innovative technology, effectively reducing the impact of waste oil and carbon emission on the environment, lowering raw material costs, and realizing the purpose of recycling and reusing resources.**

“We’ve seamlessly integrated the Waste Oil Recycling Trough into the production lines to streamline operations and improve resource efficiency. We also monitor the equipment data in real time through the Internet, which is then sent to the ERP system for the management to make accurate decisions. In addition, staff training has been strengthened to familiarize them with equipment operation and make them understand the environmental benefits. In this way, not only will our carbon emissions meet int’l standards to enhance competitiveness, but we will also be able to respond to possible policy changes after the implementation of CBAM. This is also an important step for us to continuously attract sustainability partners to create long term economic benefits,” says Hu Pao G.M. Wang.

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Besides SBIR, **Hu Pao has also received grants from the “Low Carbon and Smart Upgrade and Transformation Counseling Program for Large and Small Manufacturers”, the “Low-Carbon Counseling Program for Small and Medium Manufacturers”, the “Industrial Energy Saving Counseling & Efficiency Improvement Program”, and the “Smart Carbon Reduction Subsidiy Program”.**



Tainan SBIR Best Performer Award 2023 ▲



ESG Sustainability & Net Zero by 2050

Under the principle of sustainability, Hu Pao has set for itself a carbon reduction target of 60% by 2032, 80% by 2042, and net zero by 2050. It has also introduced the ISO50001 energy management system, purchased low-carbon materials, used reusable resources, developed green energy concepts, emphasized on environmental protection and social responsibility, provided free veggie lunches for employees, and joined “Zero+ College”. It has been responding to CBAM with proactive strategies and forward-thinking. In addition to obtaining the ISO 14064-1:2018, it has continued to monitor carbon emissions data, increase employee participation in carbon reduction, invest in new technologies/equipment, strengthen cooperation among industry, government, and academia, and participate in int’l exhibitions, so as to let customers know its efforts in carbon reduction. “Taiwanese companies need to be more proactive in responding to geopolitical risks, global economic uncertainties, environmental policy requirements, and the need for technological innovation. Only by adjusting supply chain strategies, strengthening technology R&D, and enhancing the added value of products can they remain competitive in the fierce int’l market,” says G. M. Wang. □

