The Challenge

Worthen Industries’ Staple and Nail Group is a global supplier of coatings and collating tape to the world’s major producers of steel nails and fasteners. A significant portion of nails produced worldwide is collated using heat activated collating tape.

Worthen Industries’ Business Unit Manager Rob Moseff and Senior Chemist Dan Ellett noticed that the collating process had some inherent flaws. Typically, once collat...
The Results

CT-2775 provides a safe, environmentally-friendly, non-caustic alternative for customers wishing to reclaim collated nails for reuse. The cost savings experienced by customers were immediate and real:

- Nails Costs – reclamation allows manufacturing costs up to and including nail production can be recouped with minimal costs (cleaner, scrap value)
- Energy Costs – there is no need to boil the nails using caustic solutions, eliminates energy required for steel recycling
- Transportation Costs – removes need to ship additional materials for production and lowers costs associated with shipping a concentrated powder versus hazardous liquid
- Employee Safety Costs – eliminates need for employees to handle caustic solutions
- Waste Costs – removes any hazardous waste costs, as the new solution is readily biodegradable

A small sampling of customers use of the product demonstrated significant results – in less than 18 months, customers safely recovered more than 150 tons of nails.

To Dan Ellett, the product just made sense. “Our customers weren’t asking for it, but we knew some innovation would yield significant results. CT-2775 provides cost savings to our customers, eliminates hazardous waste and is safer for workers and our environment. Why wouldn’t we do it?”

Best Practices

- Monitoring industry trends
- Thinking differently
- Highly customizable approach
- Environmentally preferable

Contact

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