

 KERONE (An Iso 9001-2008 Company) <small>A CRISIL-NSIC RATED COMPANY ISO-9001-2008 COMPANY AFFILIATED TO THE UNIVERSITY OF NOTTINGHAM MEMBER OF A.M.P.E.R.E.(EUROPE)</small>		Comparing Microwave Heating to Conventional Heating
Feature	Benefit	Economic Value
Decreased Process Time	Decreased energy usage on basis of btu per cooked batch	Energy savings due to shorter batch times
	Product heating occurs from top down	Reduced production costs
More Compact	Requires a smaller equipment space or footprint	Reduced fixed cost saving
	Can be remotely located in a dry, safe area	More usable plant floor space for increased production
Safety	Chokes, Mesh screen, and safety interlocks for complete operator safety	Prevent Employee injuries and liability claims
	Safer than steam and hot oil heating	Prevents injury & Worker discomfort
Easy Cleanup & Maintenance	CIP and COP capable	Less teardown/better turnaround
	Less chemical and water usage	High Profit margins
	More Production Time Available	More Product/More Profit
	Less mess	Improve Working Condition
Higher Power Densities	More efficient energy usage	Increase production speed
	Selective heating - "product not plant"	Decreased production costs
	Heat not expended to heating air, walls of the oven, conveyor and other parts	Since energy source is not hot there is a plant cooling savings
Precision Energy Control	Can be turned on and off instantly	Eliminates the need for warm up and cool down
	Ability to pulse the power for precise control	Reduces production costs
More Uniform Temperature Profiles	Energy is selectively absorbed by areas of greater moisture	Minimizes over processing; no scorching, overheating or case hardening
	Enhanced product performance	Improved yields
No-Contact Drying Technology	Increase production run times	Reduces both cleaning time and chemical costs
	Lack of high temperature heating surfaces	Reduces material finish marring
No Greenhouse Gas Emission From Heating Source	May Eliminate the need for environment permits	Cost Savings
	Improves working conditions	Employee retention
Increased Plant Throughput	Less handling, floor traffic, fork trucks, pallets, transfer points and congestion	Better employee ergonomics, safety and product damage
	Less floor space requirements contamination, product damage	More Productivity