

Alkaline Hydrolysis \$1,500 Challenge Criteria	Relevance of the criteria	FC500	Competitor	Scoring	FC500's Points	System A's Points
System cost	Money matters	140,000		1 point for each \$1,000 less		
Dissolution time in hours	Time is valuable	3		5 points for every hour less		
Capacity in pounds	Wider audience	550		1 point for every extra 10 pounds		
Option to avoid the wastewater treatment facility	Disposal costs & ick-factor	Yes		Yes =10 No =-5		
Low-temp vs high-temp system	Safety: a high-temp system exploded	Low-temp		Low= 0 High =-10		
Heaters external vs internal	Longevity & maintenance	External		External=5 Internal=-5		
Horizontal or tipped	Practical vs silly	Horizontal		Horizontal=5 Tipped=0		
Agitation	Cycle time, longevity & maintenance	Wave motion		Wave motion=10 Pump=0 Mixer=-5		
Fats broken down	Usefulness of liquid	Yes		Yes=5 No=-10		
Reduces fluid pH to 7-8 as a function of the process	Usefulness of liquid	Yes		Yes=5 No=0		
Total cost of chemicals to lower pH 7-8	Cost of goods sold	\$1.12		1 point for \$0.05 difference		
316 Stainless-steel vessel and frame	Durability & longevity vs 304 SS	Yes		Yes=20 No=-20		
Warranty in years	Cost of ownership	1		5 points for each additional year		
Tissue and brains remaining after cycle completes	Known problem with some systems	No		No=0 Yes=-50		
Visual appeal of system	Proud to show families	Yes		Scale 0-10		
Load cells standard	Saves time & no additional system cost	Yes		Yes=5 No=0		
Ease of loading	Saves time, space, and costs	Yes		Scale 0-20		
Basket or tray for the body	Operationally inefficient & messy	No		No=5 Yes=-5		
Sandy bone retrieval	Return of @30% more & no sewer issues	Yes		Yes=10 No=-5		
Burial/composting option	New revenue streams	Yes		Yes=30 No=-30		
Company's financial outlook	Better support from company with a future	Excellent		Scale 0-15		
Liquid chemical injection standard	Safety, speed, & no additional system cost	Yes		Yes=10 No=-10		
Internal pH sensor	Regulatory compliance & or safety	Yes		Yes=5 No=0		
Lift table required	Operationally inefficient & costly	No		No=5 Yes=-5		
Dripping basket	Accidents, potential contamination, & messy	No		No=0 Yes=-5		
Fat layer forms on top of cool effluent	Waterwater treatment problem	No		No=10 Yes=-10		
Option to empty fluid down the sewer	Options are good	Yes		Yes=5 No=-5		
Requires special exhaust fan - enter @ total cost	Adds cost	3,000		-5 points for every \$1,000 in costs		
Includes a tank to hold the fluid after dissolution	Ease of operation for filling "plaskets"	Yes		Yes=5 No=0		
Design & engineering: rocket engineer or WR ² me-too	Maintenance, operation, features & functions	Rocket eng.		Scale 0-15		
Fabrication: see the difference excellence vs okay	Functionality, safety, & longevity	Gyver Ind.		Scale 0-15		
Chemical process: 2019 patent pending or 1888 patent	Biochemistry professors or farmer	Profs		Scale 0-15		
Made in the USA		Yes		Yes =5 No=0		
Better for survivors than petrochemical cremation	Doing the right thing & appealing to families	Yes		Priceless		
Totals - Winner of the \$1,500 Challenge						