

ENERGY CONSUMPTION EVALUATION EXAMPLE

US Autocure provides energy consumption evaluations for all prospective installations. The following pages are recently-completed examples for industrial applications.

EXAMPLE 1

BTU Per Hour	100,000 = 1 Therm	Therms
1,800,000	100,000	18.00
Therms per Hour	Cost per Therm	Cost per Hour
18.00	\$0.50	\$9.00
Current Hours Cure Cycle	Cost per Day Cure Cycle	Gas Cost per Unit Current
12	\$108.00	\$36.00
Current Unit per Day		
3		
Average work days per month in 2021	20.9	
Estimated current monthly gas expense cure	\$2,257.20	
Current estimated annual gas expense to cure	\$27,086.40	
Current capacity units per day	3	
Current estimated gas cost per unit	\$36.00	

Custom US AutoCure System				
BTU Per Hour	100,000 = 1 Therm	Therms		
288,000	100,000	2.88		
Distance of Run for 60 ft Unit	Run Speed in Ft/min	Time per Cycle		
66	1	66.00		
US AutoCure Passes per Unit	Therm Use per Unit	Cost of Therm		
3	9.50	\$0.50		
Estimated Future Capacity Units per Day	7		Therms/Min	Therms per Cycle
Gas Cost per Day Cure US Autocure System	\$33.26		0.04800	3.17
Hours per Day Cure Cycle			Gas Cost per Unit	
23.1			\$4.75	
Average work days per month in 2021	20.9			
Estimated USAC monthly gas expense cure	\$695.22			
Estimated USAC annual gas expense to cure	\$8,342.61			
Future USAC capacity units per day	7			
Future USAC estimated gas cost per unit	\$4.75			

Current Daily Capability	Daily Gas Expense	Monthly Gas Expense	Annual Gas Expense	Gas Cost Per Unit
3	\$108.00	\$2,257.20	\$27,086.40	\$36.00
With US Autocure System	Daily Gas Expense	Monthly Gas Expense	Annual Gas Expense	Gas Cost Per Unit
7	\$33.26	\$695.22	\$8,342.61	\$4.75