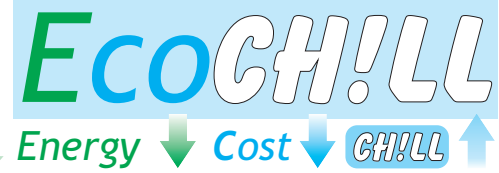


# Energy Savers for Mfg With Payback of < 2 Yrs!



Operation	Application	Detail Process	Our Systems	Temp C	Savings
Machining	Hydraulic Oil Cooling		EFCs	31 +	90%+
	Spindle Oil Cooling		CHE/Retrofit	25 +	45%+
Cleaning	Washing Machines		HPA, HPF	60 - 70	62%+
Finishing	Paint pre-process	Degrease Tank	HPA, HPF	50 - 60	70%+
		Phosphating Tank	HPA, HPF	55 - 65	58%+
		Passivation Tank	HPA, HPF	50 - 60	70%+
		Hot Rinsing Tank	HPA, HPF	45 - 55	75%+
	Paint [Dip]	ED Coating Tank	CHE+HP Combo	26 +/-2	50%+
	Paint Spray Booth	Air Cooling [AW] Summer	AW [1 or 2 stage]	@ - 5/10	40%+
		AW + Monsoon Chill	CHE	25+	35%+
HVAC		TFA	24 +/-2	40%+	
Drying	Component Drying	Batch/Conveyorized	Dehum + HP	65 - 70	52%+
Process	Moulding	Multi-Mould Cooling	CHE with mixtank	1.5 to 20	45%+
	Electro Plating	Acidic Dip Tank	CHE		52%+
		Multi Tank	CHE with mixtank		45%+
	Anodic Coating	Chrome/Soak Tank	HPA, HPF	55 - 70	52%+
	Nickel Coating	Semi/Bright/Soak Tank	HPA, HPF	55 - 70	52%+
	Zinc Coating	Alkaline Tank	HPA, HPF	55 - 70	52%+
		Acidic Tank	HPA, HPF	55 - 70	52%+
	Multiple Other	Liquid Cooling / Chilling	EFC	31+	90%+
			CHE	25+	52%+
			CHE	15+	45%+
CHE			0+	35%+	
ETP	Vol Reduction by Water Removal	Heating	HPA/HPF+Vac	60+	35%+
		Freeze+Melt	CHE+HP Combo	0- to 30+	45%+
HVAC	Shed Ventilation	Air Cooling [AW] Summer	AW [1 or 2 stage]	@ - 5/10	40%+
		AW + Monsoon Chill	CHE	25+	35%+
Life Cycle Testing	Only Temp Test	Air / Liquid Dip	DXC / CHE+HP	-25 to +70	25% to 50%
	Temp+MOC Test	Liquid Dip	CHE+HP Combo	-25 to +70	25% to 50%

These are **OpEx Savings**, when used to replace existing systems. When these options are the **'Initial' Choice**, **Lower OpEx Systems**, by default, deliver **Lower CapEx**



Chiller CHE



Regen TFA or AW



Evap Fluid Cooler EFC



Heat Pump [HPA/HPF]