

BUSINESS CASE MACHINE CLEANING

Explanation: Pls fill in blue cells only.

Auxiliary Calculation	Monthly salary	€ 3.000	Assumption
	Salaries per year	13	
	Incidental wage costs	20%	full cost basis
	Annual salary costs, total	€ 46.800	
	Workhours per week	40	
	Weeks worked in a year	44	= 52w - 6w vacation - 2w holidays
	Annual workhours	1.760	
gives: (full) salary costs, internal, per hour	26,59 €	on the right, pls enter 1 if internal and 2 if external service provider	1
alternative: costs for external service provider, per hour	25,00 €		

COST OF MACHINE CLEANING, MANUAL

Number of machines	5	machines
Hours to clean one machine	4	hours per machine
Cleaning every X months	1	months, i.e. 12 x p.a.
(Full) salary costs per workhour (internal or external)	€ 26,59	per hour
Cost cleaning material - rags, cleaning agent	€ 50,00	per cleaning per machine
gives: Costs for machine cleaning - manual	€ 9.382	per year

COST OF MACHINE CLEANING, PH-CLEANTEC

Number of machines	5	machines
Hours to clean one machine	1	hours per machine
Cleaning every X months	1	months, i.e. 12 x p.a.
(Full) salary costs per workhour (internal or external)	€ 26,59	per hour
Energy costs	€ 5,00	per cleaning per machine
gives: Costs for machine cleaning - with ph-cleantec	€ 1.895	per year

ANNUAL SAVINGS DUE TO PH-CLEANTEC - WORKHOURS

Costs manual cleaning	€ 9.382	
Costs cleaning with ph-cleantec	€ 1.895	
Savings	€ 7.486	Euros per year
this is equivalent to	180	hours per year

COST OF MACHINE DOWN TIME WHILE CLEANING

Number of machines	5	machines
Costs down time per machine per hour	€ 100,00	per hour
Hours to clean one machine - manual	4	
Hours to clean one machine - with ph-cleantec	1	
Cleaning every X months	1	months, i.e. 12 x p.a.
Costs machine down time - total	€ 24.000	manual
Costs machine down time - total	€ 6.000	with ph-cleantec
Savings	€ 18.000	per year

AMORTISATION

Purchasing cost ph-cleantec	€ 4.990	model 1000 SRE
Savings per year - work hours = 5 x 3h x 12 cleanings p.a.	€ 7.486	= 22,5 man-days p.a.
Savings per year - machine down time	€ 18.000	
Savings	€ 25.486	per year
Amortisation after	2,35	months

FURTHER ADVANTAGES Lower maintenance costs
Reduced down times due to machine faults
Longer life span of tooling machines