

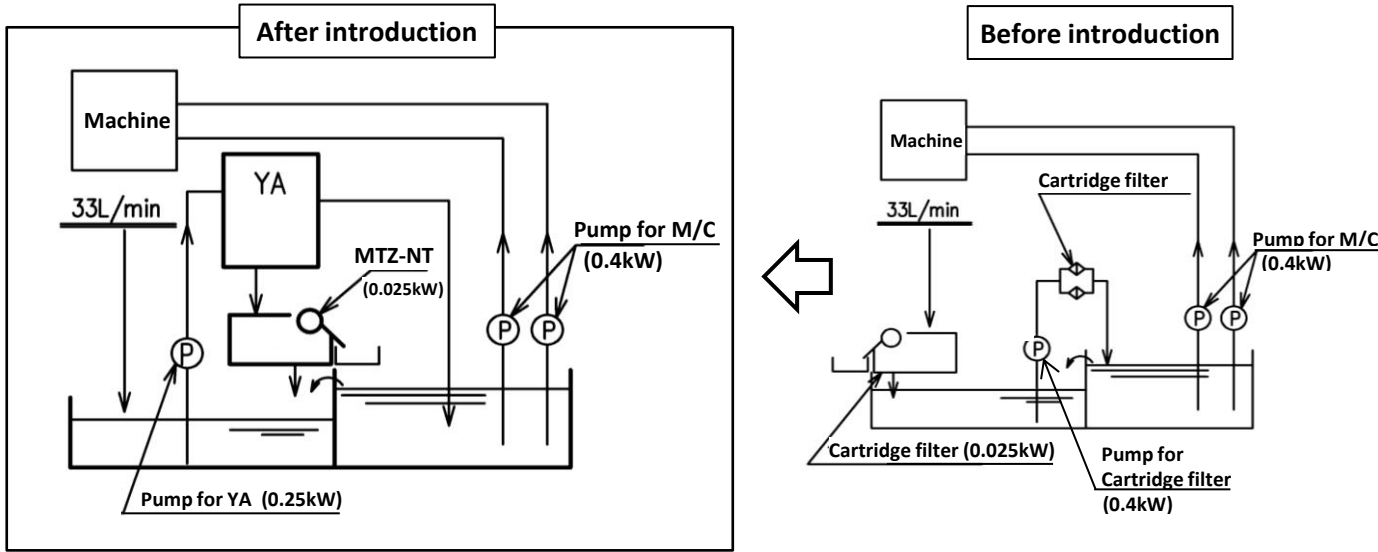
Advantageous effects of introducing “Yamato” on environmental & energy conservation.



BUNRI Inc.
2012.12

For Paper lapping		Per year	Per 10 years
Comparison in running cost	Before introduction	¥1,014,800	¥10,148,000
	After introduction	¥51,600	¥516,000
Expected amount of money saved		¥963,200	¥9,632,000

Machine classification	Workpiece	Material	Coolant
Paper lapping	Crankshaft	JIS: S50C	Oily : 33 L/min



Items	BUNRI's recommended model		Conventional product	
	Ultra precision filtering device "Yamato" : Y A	Expense	Magnetic separator + Cartridge filter	Expense
R u n n i n g c o s t	Cartridge filter	◎ Filterless ◎ Filtering accuracy: 1~10 μm ◎ No mist due to submerged filtration	¥4,000 × 1H × 4time × 12month	192,000
	Cartridge filter change work		¥1,000 × 18unit × 2time × 12month	432,000
	Tank cleaning		¥4,000/H × 2H × 2person × 2times/year	32,000
	Waste liquid disposal		¥200/L × 500L/each time × 2times/year	200,000
	Coolant change		¥100/L × 500L/each time × 2times/year	100,000
Power consumption	$0.25+0.025+0.4+0.4=1.075kW$ $1.075kW \times 20H/day \times 20days/month$ $\times 12month/year = 5,160kW$ $¥10/kW \times 5,160kW$	51,600	$0.025+0.4+0.4+0.4=1.225kW$ $1.225kW \times 20H/day \times 20days/month$ $\times 12month/year = 5,880kW$ $¥10/kW \times 5,880kW$	58,800
Total annual expense	51,600		1,014,800	
Expected annual amount of money saved	¥963,200			