

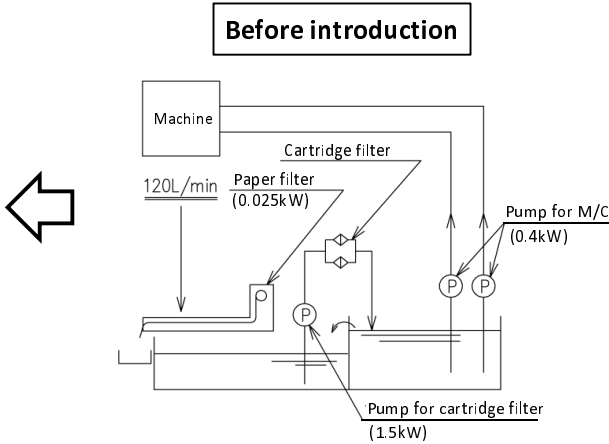
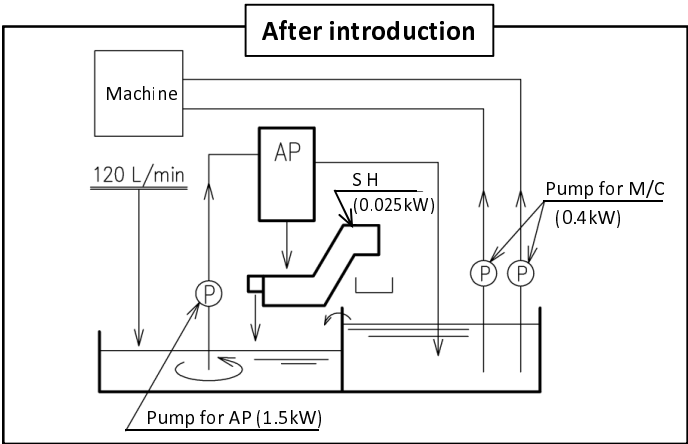
Advantageous effects of introducing "COMPACT" on environmental & energy conservation.



BUNRI Inc.
2015.9

For Grinding machine		Per year	Per 10 years
Comparison in running cost	Before introduction	¥1,023,600	¥10,236,000
	After introduction	¥111,600	¥1,116,000
Expected amount of money saved		¥912,000	¥9,120,000

Machine classification	Workpiece	Material	Coolant
Grinding machine	Valve body	Aluminum	Water soluble: 120 L/min



Items	BUNRI's recommended model		Conventional product	
	Coolant unit for grinding: COMPACT	Expense	Paper filter + Cartridge filter	Expense
Running cost	Paper filter	◎ Filterless ◎ Filtering accuracy: 1~10 μm	¥12,000/unit × per unit/each time × 3times/month × 12month	432,000
	Paper filter change work		¥2,000/H × 0.5H × 3times/month × 12month	36,000
	Cartridge filter		¥3,000/unit × 1unit/each time × 3times/month × 12month	108,000
	Cartridge filter change work		¥5,000/H × 1H × 3times/month × 12month	180,000
	Tank cleaning work		¥4,000/H × 3H × 1person × 2times/year	24,000
	Coolant change		¥200/L × 20L/each time × 3times/year	12,000
	Waste liquid disposal		¥100/L × 400L/each time × 3times/year	120,000
	Power consumption		$0.4+0.4+1.5+0.025=2.325kW$ $2.325kW \times 20H/day \times 20days/month \times 12month/year = 11,160kW$ $¥10/kW \times 11,160kW$	111,600
Total annual expense	111,600		1,023,600	
Expected annual amount of money saved	¥912,000			