1 Application for heating only

(1) Location and period of field trial

Location of field trial	Motomachi Plant, Toyota Motor Corporation
Application	Heating cleaning liquids for iron automotive parts (approx. 40 kg)
Period	July 2009 – February 2010

(2) Calculated effect of introduction of unit

	Running cost [10,000 yen/year]	Energy consumption [GJ/year]	CO_2 emissions [ton-CO_2/year]
Conventional system	320	1,895	97
Developed system	119	743	32
Percentage reduction	63%	61%	67%

*1 A standard gas boiler system was assumed as the conventional system. This differs from the system actually employed at Toyota Motor Corporation's Motomachi Plant.

*2 22-hour operation on weekdays was assumed as the operating time.

*3 Heating load and air conditions were based on actual measurements taken at Toyota Motor Corporation's Motomachi Plant.

2 Application for both cooling and heating

(1) Location and period of field trial

Location of field trial	Gamagori Plant, AISIN AW CO., LTD.
Application	Cooling cutting liquid and heating cleaning liquids for iron automotive parts (approx. 3 kg)
Period	January 2009 – February 2010

(2) Calculated effect of introduction of unit

	Running cost [10,000 yen/year]	Energy consumption [GJ/year]	CO_2 emissions [ton-CO_2/year]
Conventional system	111	676	32
Developed system	34	207	9
Percentage reduction	70%	69%	73%

*1 A standard gas boiler system and chiller were assumed as the conventional system. This differs from the system and equipment actually employed at AISIN AW CO., LTD.'s Gamagori Plant.

*2 24-hour operation on weekdays was assumed as the operating time.

*3 Heating load and air conditions were based on actual measurements taken at AISIN AW CO. LTD.'s Gamagori Plant.