

## Compact regenerative melting furnace

# ECOMELTER

Pursuing **energy saving, compactness, and low cost**



FY 2003 Technology Award, Combustion Society of Japan  
FY 2004 Chairman's Award for Excellent Energy-saving Equipment, Japan Machinery Federation  
FY 2004 Technology Award, Japan Gas Association

### Features

#### Saves energy and reduces CO<sub>2</sub> emissions

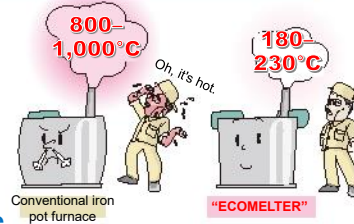
The effect of superb exhaust heat recovery is to achieve **35%** energy saving compared to a conventional unit. (Comparison with conventional crucible furnaces that lack exhaust heat recovery)

#### Service life of iron pot improved by a factor of 1.5

The **self-regenerative burner SREG-100K** incorporates horizontal two-tier nozzles for alternating combustion, producing optimal flat flames for crucible and iron pot furnaces. The result is reduced damage caused by flames on the iron pot surface.

#### Improved work environment

Since exhaust heat is thoroughly recovered, the temperature of the exhaust gas discharged from the furnace is significantly lower than that of conventional furnaces, improving the working environment.



### Rendered image of alternating combustion in furnace

