

Overview of High-power Top Heating-type Electric Firing Machine

1 Specifications

Item	Specification		
Product name	Multi High-power Oven		
Product type	2-gridiron	3-gridiron	4-gridiron
Heater	2,700 W×8 tubes	2,000 W×18 tubes	2,700 W×16 tubes
Grill space [mm]	W1,080×D460	W1,620×D460	W2,160×D460
Grilling capability (Grilled eel without seasoning)	Approx. 100 pcs/h	Approx. 150 pcs/h	Approx. 200 pcs/h
Output adjustment	The output (temperature) can be adjusted separately for each of three sections (front, center, rear).		
Power supply	3-phase 200 V 50/60 Hz 75 A	3-phase 200 V 50/60 Hz 125 A	3-phase 200 V 50/60 Hz 150 A
Outer dimensions [mm]	W1,475×D1,115×H1,685	W2,000×D1,115×H1,685	W2,700×D1,115×H1,685
Weight	Approx. 250 kg	Approx. 350 kg	Approx. 475 kg

Specifications can also be changed and products developed to suit customer wishes.

2 Exterior view

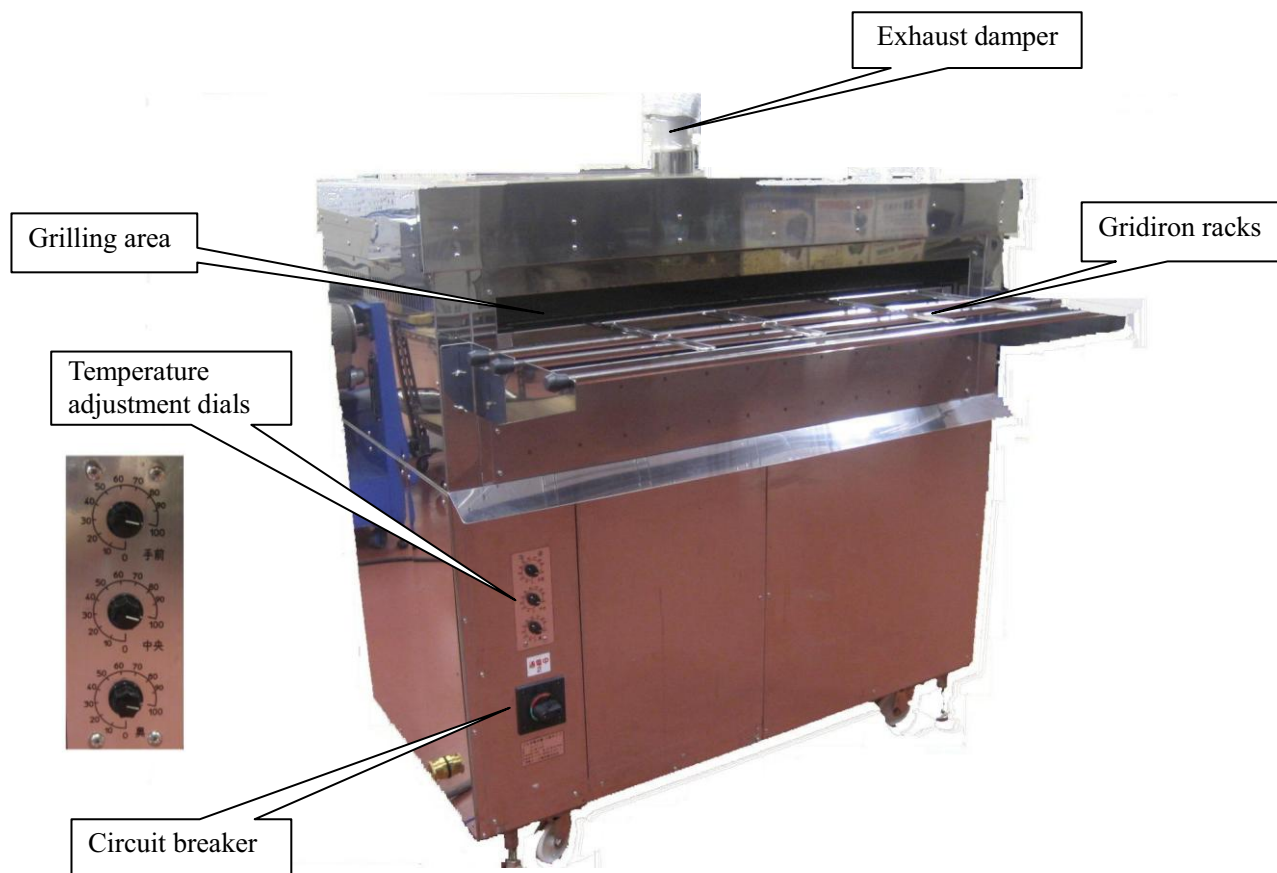
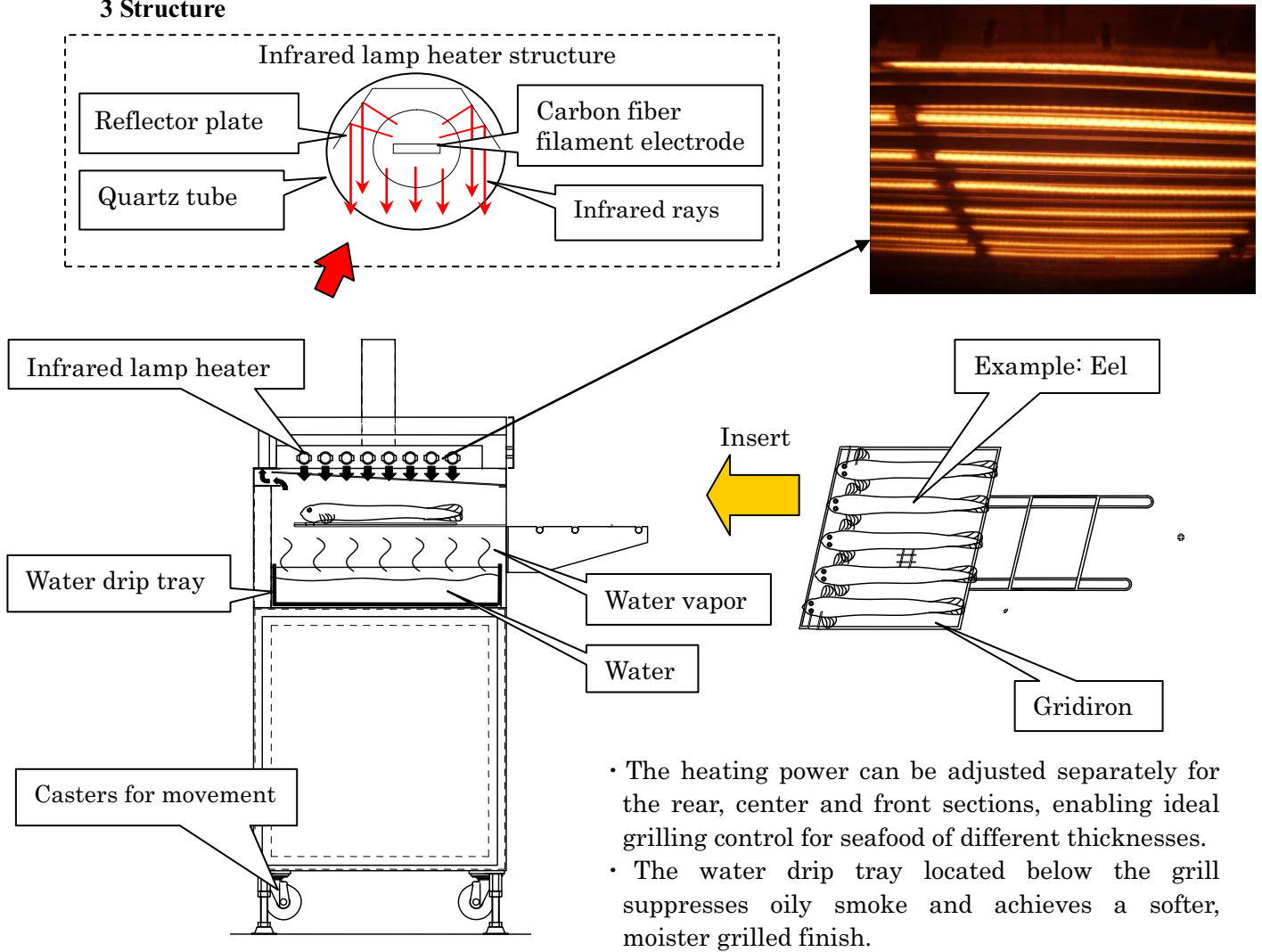


Fig. 1 High-power Top Heating-type Electric Firing Machine
(The photograph shows the 2-gridiron type.)

3 Structure



4 Comparison of thermal images between the developed oven and a gas-type oven

The thermal images below compare the conditions after working for 30 minutes at a distance of 600 mm directly in front of the oven.

This shows that both the oven surface temperature and the clothing surface temperature are considerably lower for the newly developed oven.

