

■ Exhaust smoke component test results

Item	Japanese Environmental regulation value	CHIRIMESER
Dioxin density (ng-TEQ/Nm <sup>3</sup> )	5	0.98
Dust density (g/Nm <sup>3</sup> )	0.5	0.015
Sulfur oxide exhaust (Nm <sup>3</sup> /h)	2.5	0.034
Nitrogen oxide density (ppm)	250	0.43
Hydrogen chloride density (mg/Nm <sup>3</sup> )	700	6.60

【Specification】

Model: TG-195, Incineration capacity: 196kg/h for general garbage (included less than 10% plastics, Fire grate area: 1.4m × 1.4m = 1.96 m<sup>2</sup>, Measurement: Side 6m × depth 12m × height 8m (Chimney 9m), Dust hopper measurement: 1.4m × 2.1m, Power: 3 φ 200V, Electric capacity: 80kw, Fuel: kerosene, recycle waste cooking oil, and waste oil, Fuel consumption: 5-40L/h, Weight: about 10ton, Combustibles: Wooden waste, paper, fiber waste, plastics, etc.



**For the safe use**

Please read the instructions carefully, and use properly.

※Without any consent in advance, copy, alteration, redistribution, republication, indication, notice, and transfer are forbidden in whole or part in any form.

※The specification and the look of the product used in this pamphlet are subject to change for improvement.

● Award in the 28<sup>th</sup> Okinawa Industry Festival

● Award in Invention Award in the Kyusyu district by Japan Institute of invention and innovation

The basic type of TG-195  
**CHIRIMESER TG-49**

- ※Smokeless incineration
- ※Ultra-low dioxin level
- ※Public permission and notification not necessary



Research · Development · Design

**Thomas Technical Research Institute Co., Ltd.**

5192-42, Katsurehaebaru, Uruma, Okinawa 904-2311, Japan  
 Telephone: +81 (0) 98-989-5895 / FAX: +81 (0) 98-989-5896  
 E-mail: thomasgkf@yahoo.co.jp  
 URL: <http://thomasgk.com/en/index.html>

Middle-sized incinerator TG-195

**CHIRIMESER**



Thomas Technical Research Institute Co., Ltd.

TG-195 has been developed based on the concept of "sustainability of future environment".

**Award**

in the field of patent/utility model  
in the 30th Okinawa Industry Festival

**Award**

in the field of technical development/  
commercialization of product for the  
9th Activity to prevent global warming  
by Ministry of the Environment.

**High-performance and environment-friendly incinerator**

It is controlled by the computer data that is sent from various kind and each parts' sensors.

**Reduction in the running cost**

TG-195 can recover the heat generated from burning garbage (thermal recycle).  
It can also use waste oil and waste cooking oil as recycling fuel.

**Removal system to the exhaust**

The exhaust gas is passed to the bag filter that cleans the hazardous substances (dioxins, etc.)  
in the range of 97.6%-99.7%.

**Reduction in the personnel costs**

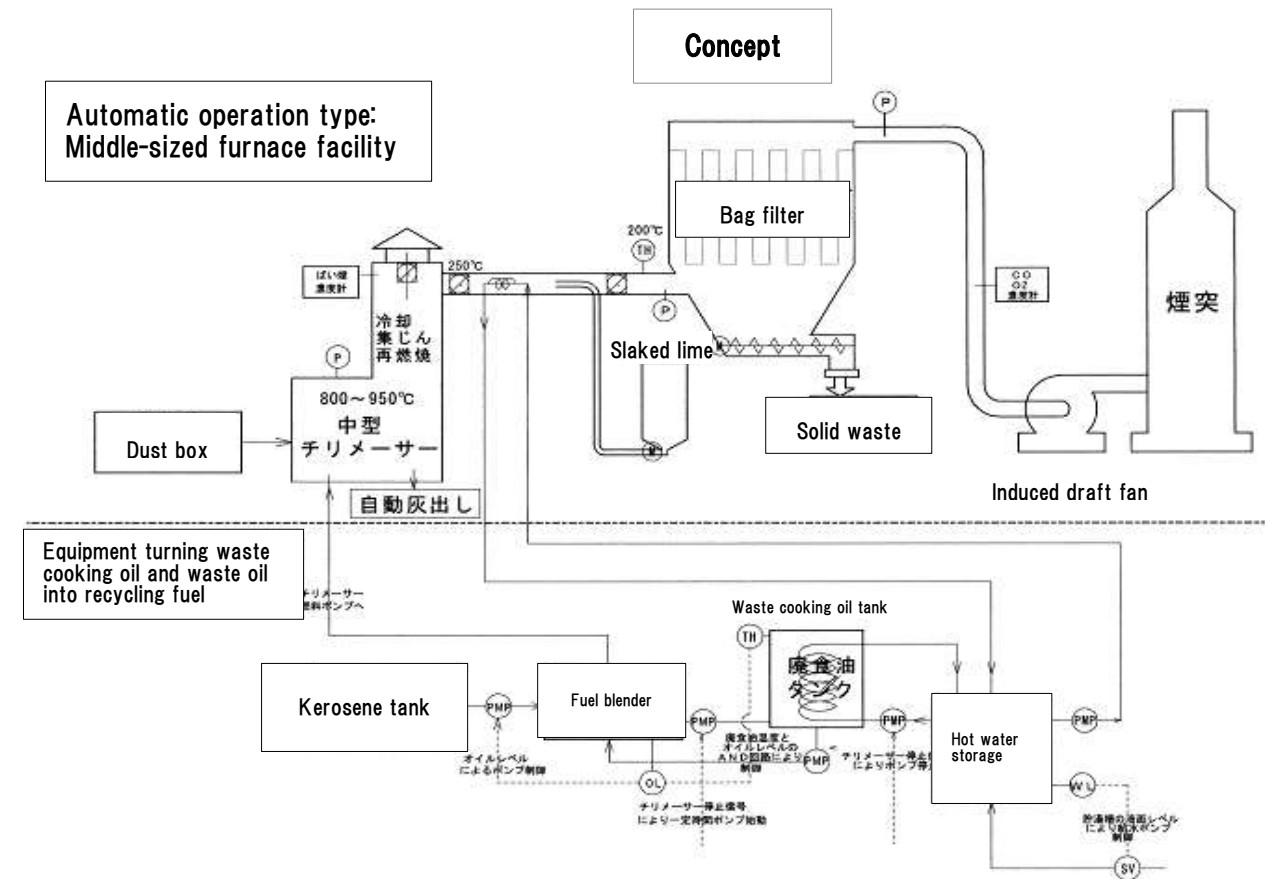
All stages for the incineration are controlled automatically.

**Reduction in the cost for industrial waste**

The weight ratio of wood waste is 0.3%, which means that TG-195 reduces 1,000kg wooden  
waste to 3kg. Moreover, residue of vinyl is not left.

**Corresponds to manifold waste**

Combustibles: Wood waste, Kitchen garbage, Plastics, etc.



- ① Body of TG-195  
Incinerating capacity 195kg/h
- ② Cooling tower
- ③ Bag filter  
High performance dust collector
- ④ Chimney

This TG-195 was produced by the support of new coordinated business in