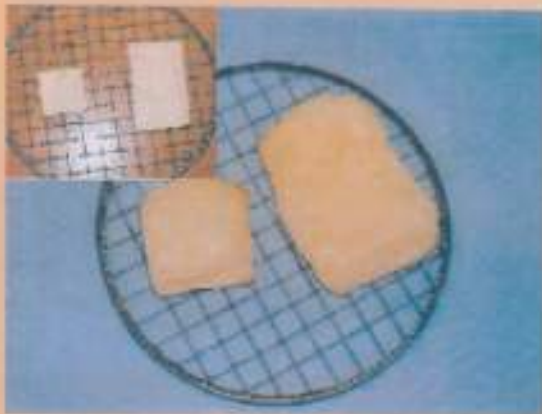


# Application Example



過熱蒸気発生装置 Genesis  
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Fried Tofu  
200°C 10 minutes without Oil



Hamburg Steak  
390°C 2minutes 45 seconds



Bread 1  
320°C 6 minutes



Bamboo Carbonization  
320°C 20 minutes



Plastic Fiber Carpet carbonization  
380°C 5 - 10 minutes

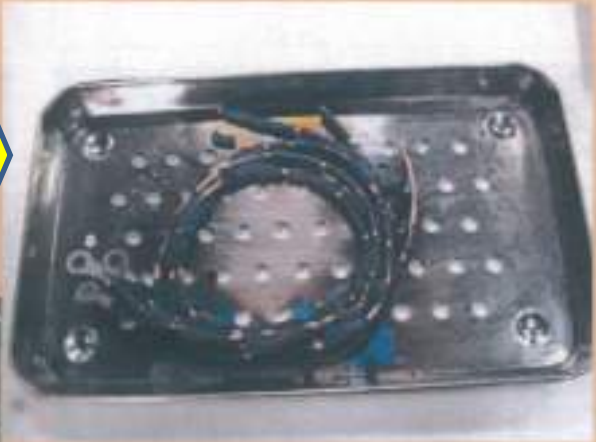


Paper Cup Carbonization  
300°C 7 minutes

# Application Example

## Copper Wire 290°C 15 minutes

- The wire cover is carbonized and easily removed.
- Color of Copper Wire stays unchanged because Super Heated Steam is inert gas.



## 500mL PET Bottle 300°C 5 minutes

- PET is melt and volume reduced without any oxidization.
- Only small amount smell and gas because of the less oxygen condition



## Disposable Injector 300°C 5 minutes

- Needle and Rubber remained as they are.
- Plastic Part melt without any oxidization because Super Heated Steam is inert gas.

## Foamed PS (EPS) 300°C 2 minutes

- Melt and volume reduced without any oxidization.

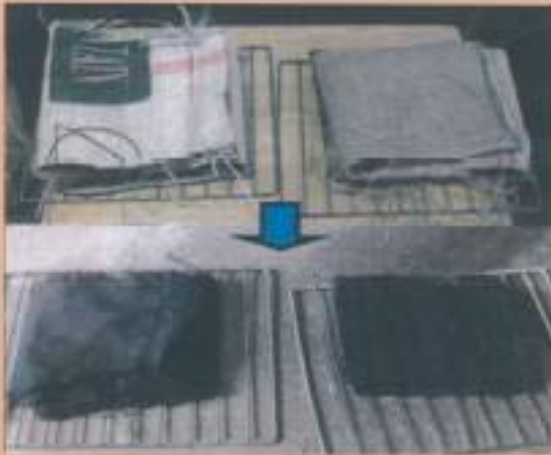
### **Remark**

- \*\*These examples are tested by the open type conveyor oven ( 2m long, 170 x 300 in/outlet ).
- \*\*100% Super Heated Steam was used and process was continuous.

# Application Example



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## Burlap Bag for Coffee Bean 380°C 10 minutes

- The shape is unchanged but oxidized.
- Turned to carbon without any breakage

## Sludge Mud 350°C 15 minutes

- Pressed Industrial Wastewater Sludge was dried.
- Dried evenly in the static condition



## PP Plate 300°C 90 seconds

- By Conveyor Dryer.
- Heated evenly in the very short time.

## Aluminium Chip 350°C 5 minutes

- Cutting Fluid can be seen on the left hand side (Before Drying. Turbidity of the water)
- After the Drying process, Cutting Fluid is completely delipidated so that turbidity is gone.
- No color change is found in aluminium chip because Super Heated Steam is inert gas. (It allows aluminium to be recycled)





# Application Example

## Heat Media for Small Size Batch Oven

- Primal Boiler Set
- Easy test execution for Super Heated Steam



## Heat media for Shell Machine

## Heat Media for Big Size Batch Oven

- For Wood Shaping Application



## Heat media for Continuous Kiln Dryer

- For Carbonization of Waste Wood Chip.
- Dechlorination action of Super Heated Steam brings dioxine detoxifying action.