



**Energy Source**



*ISIMEK BIOMASS & BOILER Ind·Trade Co., located at Kazan, Ankara, Turkey was established by two mechanical engineers in 2002. Since 2002 upto now, these two closed friends has been very successfull and moves their facilities to modern factory by using ultimate technology with various equipments.*





*ISIMEK BOILER & MACHINERY TRADE INDUSTRYCO, has been designing, manufacturing and servicing a complete line of solid fuel, solid waste, biomass, coal, gas and oil-fired Hot water, Super heated water, Steam boiler, and hot oil since 2002 for customer satisfaction.*



*Day by day, Isimek recieves very good responses from customer satisfaction. Nowadays we are considering to expand our capacity and will build a new plant to the next area. Isimek is one of the leading company in Turkey for Biomass Boiler production. Our technology provides less energy consumption and obtaining more efficiency from wastes of wood, paper, woodchips and to help factory owners to save their money Isimek Boiler & Machinery, specialize in designing and manufacturing of Biomass Boilers, moving grate systems and combustion chamber of wet fuels in order to meet inquiries and demands which are coming from all over the world.*

Boilers can be supplied to burn every form of biomass from woodchips, wood pellets or logs to waste agricultural materials such as straw and grain husks, olive kernels, nut, bulghur, rice and the dust from any of these including sawdust.

Nut Shell &  
Olive Pomace  
(Prima)



Bean & grape  
molasses





*Energy costs which is under your control always better than a fuel source that is seemingly out of control and uncertain. Biomass is a renewable energy technology and is classified as Carbon neutral*

*Wood Pellets*



*Biomass Boiler Fuels*

*Wood chips*



Wood  
Bark



*The main benefit is economical value of wood fuel is usually less expensive than fossil fuels. Energy solutions based on biomass and bio-fuels provide clean and renewable energy for large national and international companies. Green-thinking companies are now using biofuels to mitigate the impact system.*



*BIOMASS, SOLID WASTE, SOLID FUELED,  
WOODCHIPS, BARKS, WOODEN WASTES, COAL,  
GAS, FUEL-OIL FIRED BOILERS*



- 1. Super Heated Water Boilers*
- 2. Steam Boilers*
- 3. Hot Water Boilers*
- 4. Hot Oil Boilers*

*1. Super Heated Water Boilers  
(Heating / 100.000 Kcal/h -  
6.000.000 Kcal/h )*



*2-Super Heated Water Process from 110 °C upto -180 °C*

*100.000 Kcal/h - 6.000.000 Kcal/h*



*1.000.000 Kcal/h - 6.000.000 Kcal/h*

1.000.000 Kcal/h-  
6.000.0000 Kcal/h  
Moving grate hot water  
boiler



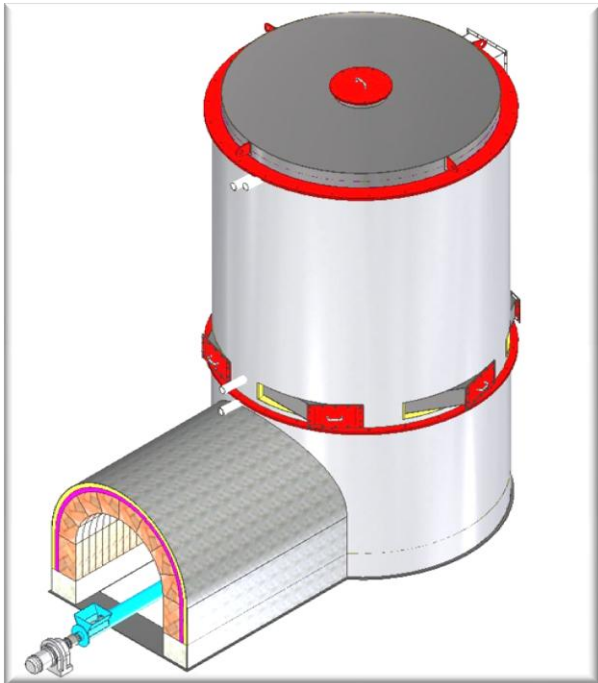


## 3- Steam Boilers



## 4. Hot Oil Boiler

300.000 Kcal/h - 6.000.000 Kcal/h  
Operated temperature maximum 290 °C



*Liquid and Gas fueled Hot Oil Boilers*



*ISIMEK's Other product Range*

- 1. Pressured and atmospheric vessels.  
( Fuel, water, gas, asphalt vesels)*
- 2. Fans , Combustion air, exhaust..etc*
- 3. Silos for woodchips and similar usage.*
- 4. Heat exchangers*



*ISIMEK's Other Product Range*

- 5. Automation System with PLC Control.
- 6. Dust Collecting System.
- 7. Grate System



*ISIMEK's Other Product Range*

- 8. Turnkey Power Plants.
- 9. High pressure Piping works.

*Plumbing System*



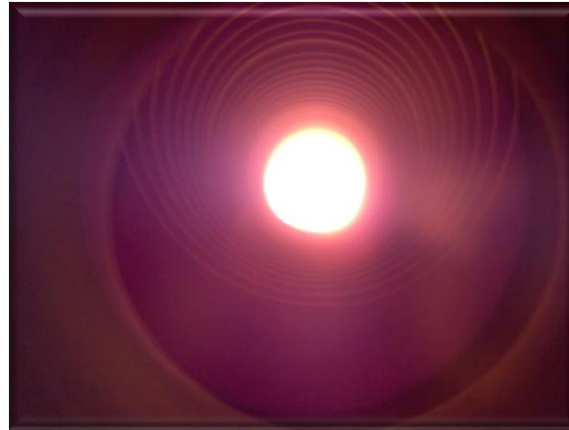
*Pulse Valve*



*Coal Fuled Boilers with moving grate*



*Isimek manufactures steam ,super heatedwater & hot oil  
Boilers· fueled by Coal*



## The Industry Sectors We Serve are;

- ❖ *Wooden Industry Sector*
- ❖ *Lumber Dry & Kiln Industry*
- ❖ *Furniture Industry*
- ❖ *Plywood Industry*
- ❖ *Wooden Door*





- ❖ Petrochemistry
- ❖ Waste paper recycling and environmental projects
- Concrete
- Port construction and concrete
- Furniture Factories



- Jam and marmalade processing
- Fruit drying
- Tea Process
- Milk and milk sub products
- Sausage and Soudjoule
- Rice and burghul processing



❖ *Environmental respect facility belongs to our customer that we have constructed steam boiler recently. Our customer combusted wood chips and shredded milk bags together as fuel. In the facility they are recycling wasted papers and gaining them as packaging paper to wrap new furnitures.*



*Our Customer*





Patato chips

❖ Hot Oil Boiler System is used inby one of our Customer (Nazlı Gıda) that produces potato chiops . Isimek manufactures, installs and start ups their boiler.

Coal fueled.



*Adel Kalem' (available in Anadolu Group Companies)  
purchased from us Wood chips fueled full automatic  
steam boiler.*



*Lead pencil*



*Wood chips fueled.*





*Thank you for your valuable time  
and kind interest.*



✉ [info@isimek.com.tr](mailto:info@isimek.com.tr)  
🌐 [www.isimek.com.tr](http://www.isimek.com.tr)