



**BETAKAZAN**  
BETA KAZAN Boiler Company



**BCF MODEL  
Biomass Boiler**

**Product Overview**

**Your Industrial Energy Strength**



[www.betakazan.com](http://www.betakazan.com)



## Company Profile

With a solid 15 years' experience in the industry, **BETA KAZAN Boiler Company** offers energy solutions for domestic and industrial applications of all sizes thanks to its extensive portfolio and activities that include steam, hot water and hot oil boilers, solid fuel and waste burning systems, heat exchangers, feed water preparation systems, chimney filtration systems and dust collection.

**BETA KAZAN Boiler Company** is dedicated to swiftly fulfill its commitments, even amidst competitive market conditions, as well as to fully meet customers' expectations while offering top tier services thanks to its professional team, consequently establishing the company as a trusted partners in more than 500 projects both locally and internationally.

All **BETA KAZAN Boiler Company's** products are built in the capital Ankara which makes it easy to deliver at all kinds of points throughout the Middle East, Eastern Europe and Western and Central Asia.

**BETA KAZAN Boiler Company** is proud to be certified in TS EN ISO 9001, reflecting its commitment to quality management; TS EN ISO 14001, demonstrating its dedication to effective environmental management; and TS EN ISO 45001, showcasing its focus on maintaining a safe and healthy work environment. These certifications affirm the company's adherence to top international standards in quality, sustainability, and occupational health and safety.

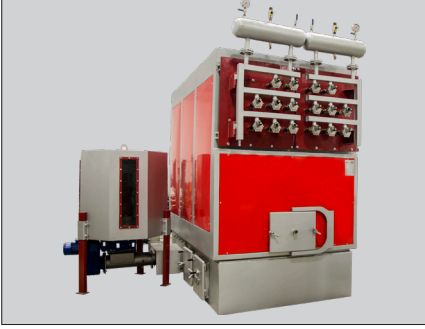
**BETA KAZAN Boiler Company is an honorable member of:**



**Boiler and Pressure Vessel  
Industrialists Association**



**Turkish HVAC&R  
Exporters Association**



Talaş yakıtlı kazanlar ile işletmenizdeki imalat sonucu açığa çıkan parça odun, ahşap talaşı, mdf tozu, kağıt gibi ekonomik değeri olmayan fabrika atıkları ile ucuz, güvenli enerji (sıcak su, kızgın su, kızgın yağ, buhar) elde edilmektedir.

Talaş yakıtlı kazanlar yüksek mekanik dayanıklılık ve büyük yanma hacmi, yüksek alümina refrakter astarlı yanma odası özellikleri ile aşırı nemli talaşları verimli şekilde yakabilmektedir. Yüksek alümina karışımı refrakter malzeme ile yanma için gerekli olan yüksek ortam sıcaklığı ve ısı radyasyon sağlanmaktadır.

CO (Karbonmonoksit) emisyonunun düşük olması için, yanma hücreesine uygun noktalardan sekonder hava verilerek, tam yanma sağlanmaktadır.

Parça odun v.s... iri malzemenin manuel olarak yüklenmesi için ayrıca bir kapak bulunmaktadır. Bunker altında bulunan frekans invertörlü rotary valf ile talaş besleme kapasitesi ayarlanarak, besleme helezonuna aktarılır.

Talaş helezon vasıtasıyla yakma teknesine taşınır ve burada yanar.

Yakma teknesi özel kesitli, hava nozullu döküm ızgaralar ile donatılmıştır.

Yanma havası fanı vasıtasıyla kanallardan yakma teknesine basılan hava; döküm ızgara nozullarından çıkarken yarattığı basınç etkisiyle talaş ile pulverize edilerek etkin bir yanma sağlanmaktadır.

*With biomass boilers, cheap and safe energy (hot water, superheated water, hot oil, steam) is obtained from factory wastes that have no economic value which are released as a result of manufacturing in your business such as pieces of wood, wood chips, MDF powder and paper.*

*Biomass boilers can burn extremely moist chips efficiently with their high mechanical durability, large combustion volume, and high alumina refractory-lined combustion chamber. The refractory material provides the high ambient temperature and thermal radiation required for combustion.*

*In order to reduce CO (carbon monoxide) emission, complete combustion is ensured by supplying secondary air to the combustion chamber from suitable points.*

*There is also a cover for manual loading of large pieces such as pieces of wood, etc.... Chips are transferred to the stocking screw with a feeding capacity adjusted by the frequency inverter rotary valve located under the bunker.*

*Chips are transported to the combustion chamber via the stocking screw and is burned there.*

*The combustion chamber is equipped with cast grates with special cross-sections and air nozzles.*

*An effective combustion is achieved by pulverizing the chips with the pressure effect created by the air pumped through channels and the cast grate nozzles into the combustion chamber using a fan.*



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