

# DEKATECH<sup>®</sup>

*Smart Oven Systems by Deka*

BEST PERFORMANCE, BEST ENERGY SAVING !..



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

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## about us

### Who are we?

Our biggest concern is to perform conventional one in a usual way as Deka Makina. Deka Makina succeeded this state by means of struggling to produce more superior machines than machines produced in our brief history. The secret of the success is to make better apart from profit-loss account and it finalizes this by means of the non-compromising principle. The innovations particularly in the furnaces are based on fuel economy.

Due to the fact that the fuel (energy) is unfortunately expensive in our country, the manufacturer is seriously affected. We, as Deka Makina, have developed a system that economizes the fuel approximately 30% with our invention that we made in thermo-block and firing chamber after significant work and experiments in order to relieve the burden of the producing companies.

### What we are doing?

Our company goes beyond the performed works over the years with the paradigm-shifting innovations to the sector. We continue to generate serious differences between other companies in terms of the consumption of energy. WIN Fuar resimleri are in our Facebook page.

CE

**DRYING & CURING OVENS**

**CONVEYOR SYSTEMS**

**ELECTROSTATIC POWDER**

**APPLICATIONS SYSTEMS**

**SPECIAL DESIGN**

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# DEKATECH<sup>®</sup>

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## WASHING & PHOSPATING LINE



# DEKATECH®

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## WASHING & PHOSPATING LINE

They are systems designed for surface cleaning before powder painting. The system is designed in different types in the form of a tunnel or with a special design. The materials to be cleaned with the conveyor called webb and cardan type, the products move continuously in the tunnel at a constant speed. Pressurized liquid is sprayed onto the material with a pressure between 1 and 2 bar from the nozzles to the pump nozzle rings, thus taking the oil sediment and similar impurities into its body and performing the Decontamination process before painting the product. The next stage also ends the process in the rinsing tunnel.



In other words, it is incomparably more efficient and economical compared to techniques such as immersion type or manual cleaning. In addition, it reduces the labor force arising from cleaning to zero. The cost of use is very economical and healthier compared to other systems. Because solvents and similar products are not used in this system.

Spray washing lines size according to the informed capacity, it is projected according to the height and number of boilers.

# U TYPE DRYING & CURING OVEN



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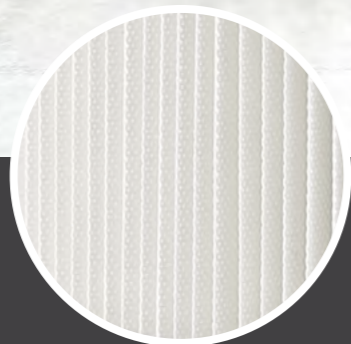
## U TYPE DRYING & CURING OVEN

Thanks to our thermo block unit with a gas/fuel saving system, the invention patent of which belongs to us (with a review of 20 years); we provide a minimum of 30% gas/fuel savings compared to furnaces of comparable dimensions.



After obtaining the dimensions of the products for which surface painting is performed, the dimensions related to the unit capacity and the area to be installed, painting and drying ovens are projected in the form of a tunnel or U-type in accordance with the location. High, width, height all dimensions vary. It serves both purposes.

# ELECTROSTATIC POWDER COATING CABINET



TEFLON  
FILTER

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## ELECTROSTATIC POWDER COATING CABINET

Automatically or manually apply the powder coating to the product surface, almost closed system, it is the cabinet that allows it to be applied to the material surface without missing its particulars. The product is produced in many types according to its content.



- Recoverable cyclone type,
- Two-user manual cabins,
- Single-user manual cabins.

# SPECIAL DESIGNS

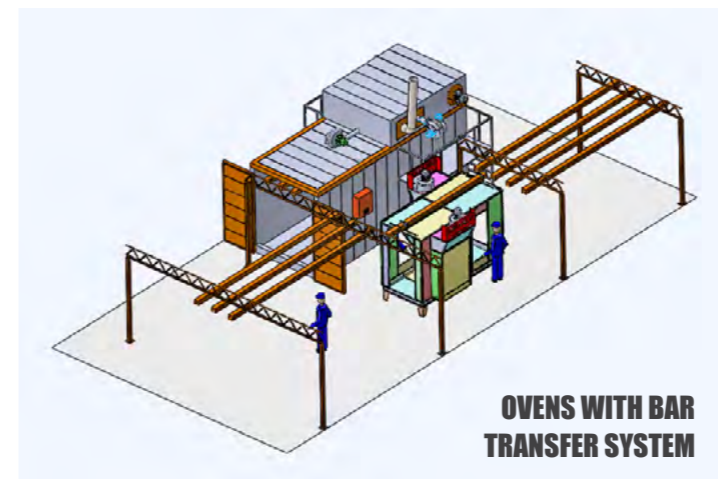


**SEMI - AUTOMATIC  
CONVEYOR  
BOX TYPE OVENS**

# DEKATECH®

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## SPECIAL DESIGNS



**OVENS WITH BAR  
TRANSFER SYSTEM**



# DEKATECH®

## Dönüşümlü Enerji Kazanım Teknolojisi Recyclable Energy Recovery Technology

PATENT NO: 2013 / 04062

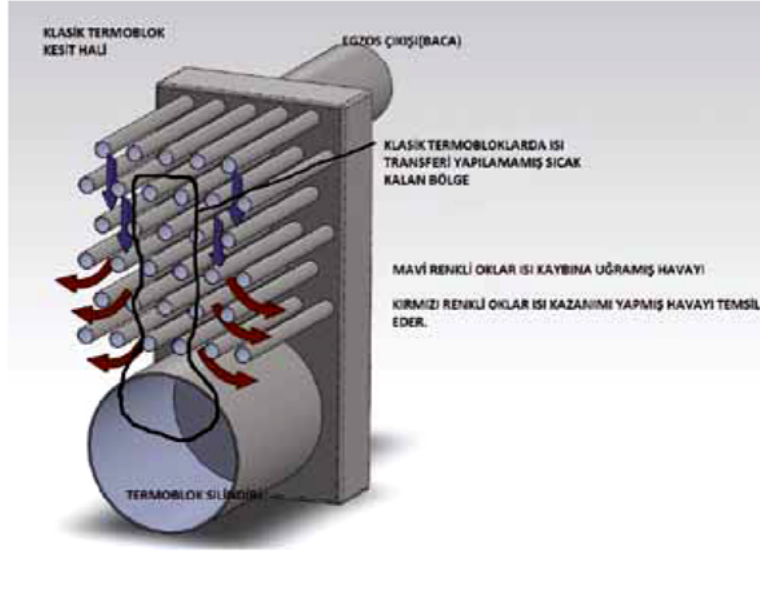
### Proje sahibi:

DEKA MAKİNA ENDÜSTRİYEL İSİ SİSTEMLERİ  
İMALAT İTHALAT İHRACAT VE TEKSTİL EKİP-  
MANLARI SAN. NADİR TUNÇ

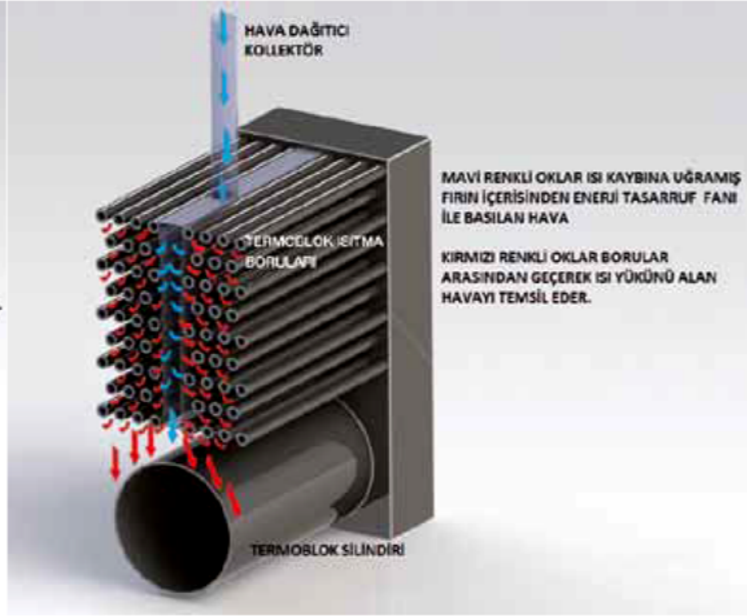
### AMAÇ

Tüm endüstriyel ısının kullanıldığı alanlarda yakıt tipi  
İpg-doğal gaz-mazot-fuel oil vb. sıvı ve gazlarla  
ısıtılan termoblok ünitesi fırınlarda bacaya giden  
yüksek ısı kaybını en aza indirmeye yarar.  
Başlıca kullanıldığı alanlar

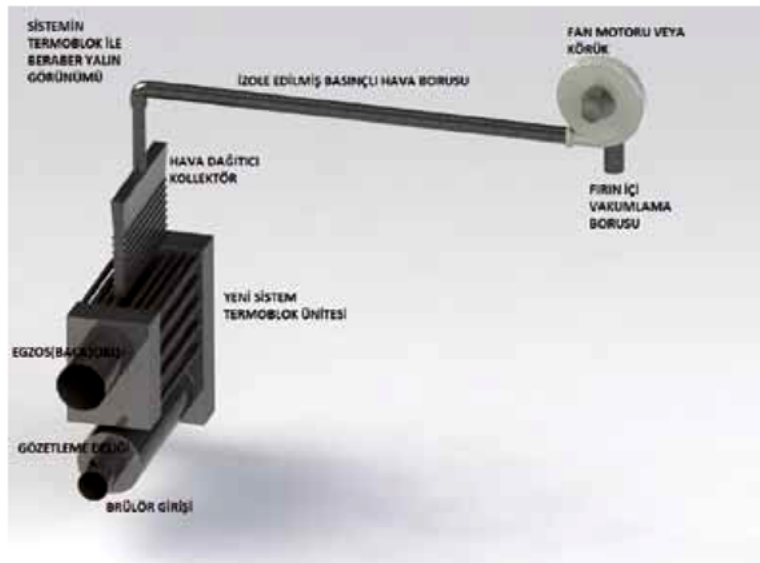
- \*Elektrostatik toz boya fırınları
- \*Elektrostatik yıkama yağ alma sonrası kurutma fırınları
- \*Konveyör hatlı elektrostatik toz boya fırınları
- \*Tekstil alanında kot kurutma ve fikse fırınları
- \*Gıda sektöründe kuru yemiş ve meyve kurutma
- \*Çay yaprağı kurutma
- \*Hububat kurutma
- \*Tavlama (Isıtma) fırınları
- \*İnşaat alanında duşakabin hammaddelerini ısıtma gibi daha birçok alanda kullanılmaktadır.



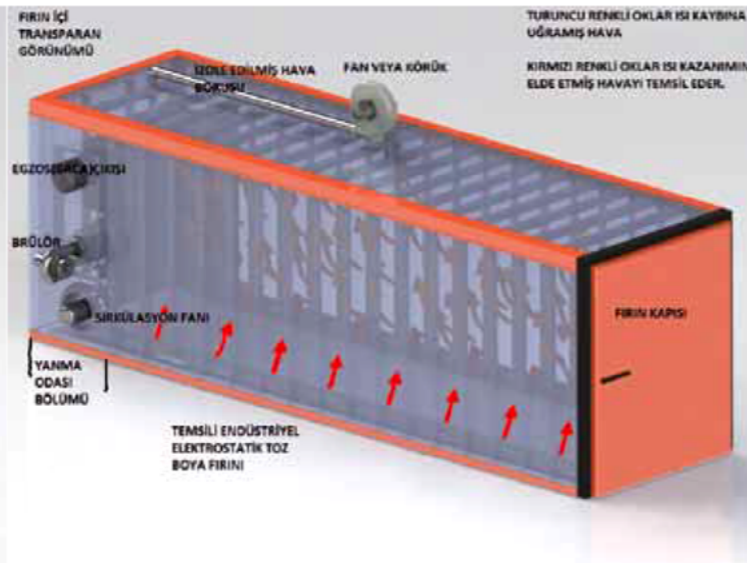
Isı kazanımı yapılamamış sıcak bölgeyi gösterir.



Bütün termoblok borularının sirkülasyondan ısı kazanımını gösteren kesit.



Sistemin genel görünümü.



Fırın içerisindeki sirküle edilen havanın temsili hareket şekli ve yönü.

# DEKATECH®

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## CONTROL PANELS



The entire facility is planned within the set values entered by the operator from a single point; in such a way as to ensure the uninterrupted progress of the system and taking into account all safety measures.



### Main features;

- Full protection insurance,
- Phase direction control role,
- High temperature control,
- High temperature control of the chimney,
- Remote access control
- Tracking the operation of the entire line on a single page,
- Tracking of alerts and alarms at what time they occurred and at what time they were removed.
- Ease of use with a simple interface supported by animations. etc. it covers many features.



DEKA MACHINE®





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**SPECIAL DESIGN**

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