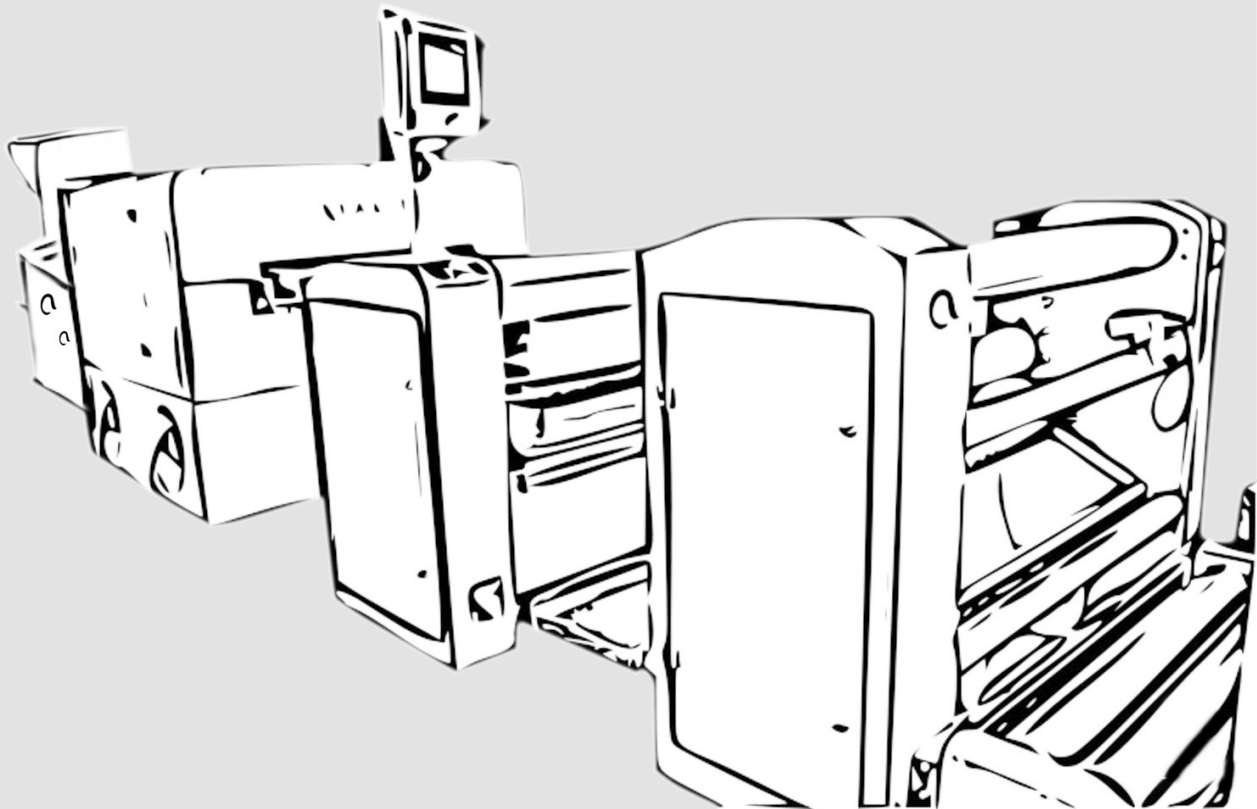


# Product Catalogue

Heating & Drying Systems



**LAMDA** Heating & Drying Systems  
[www.lamdahd.com](http://www.lamdahd.com)

*Where production is*

# MINI STENTER

## MINİ RAM MAKİNESİ



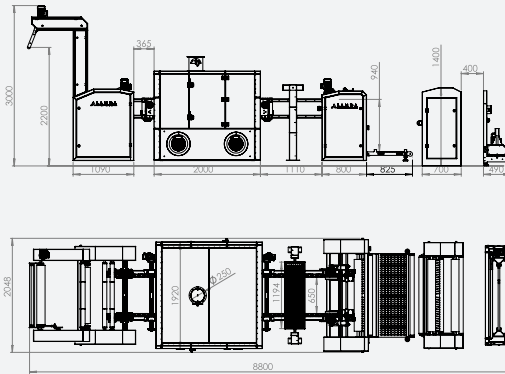
### Informations and Benefits ; Bilgiler ve Faydaları

- Convenient for laboratory production and customised applications**  
 Laboratuvar tipi kullanım ve özel projeler için uygundur.
- Pre-Treatment for digital printing**  
 Dijital baskı öncesi pat yapılabilir.
- Easy installation, low energy consumption, less floor space**  
 Kolay kurulum, düşük enerji maliyeti, az yer kaplama
- Easy operation, low investment costs**  
 Kolay kullanım, düşük yatırım maliyeti

### LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL DRAWING

### TEKNİK ÇİZİM



### LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL SPECIFICATIONS

### TEKNİK ÖZELLİKLER

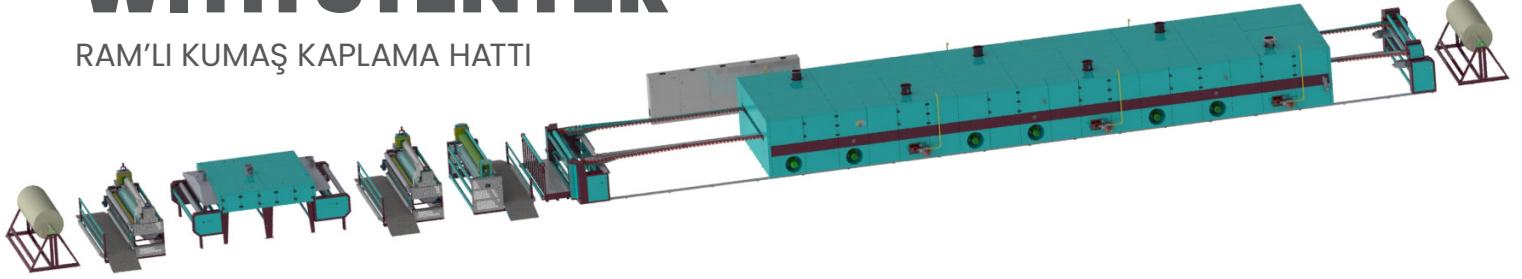
<b>Working Width</b> Çalışma Geniřlięi	1.200 - 3.600 mm
<b>Chamber Length</b> Oda Uzunluęu	2.000 mm - 3.000 mm
<b>Heating Type</b> Isıtma Tipi	<b>Gass, Lpg, Hot Oil, Steam, Electrical Coil, Infrared Lamp</b> Gaz, LPG, Sıcak Yaę, Buhar, Elektrik Bobini, İnfrared Lamba
<b>Options</b> Opsiyonlar	<b>Foulard units, piece of chamber, IR pre-heating system, gumming and edge cutting units plaiter or roll wrapping outlet units</b> Fular üniteleri, Odacık parçası, Kızılötesi ön ısıtma sistemi, Yapıştırma ve kenar kesme üniteleri, Örgü veya rulo sarma çıkış üniteleri

# 02

LAMDA HEATING & DRYING SYSTEMS

## DOUBLE COATING WITH STENTER

RAM'LI KUMAŞ KAPLAMA HATTI



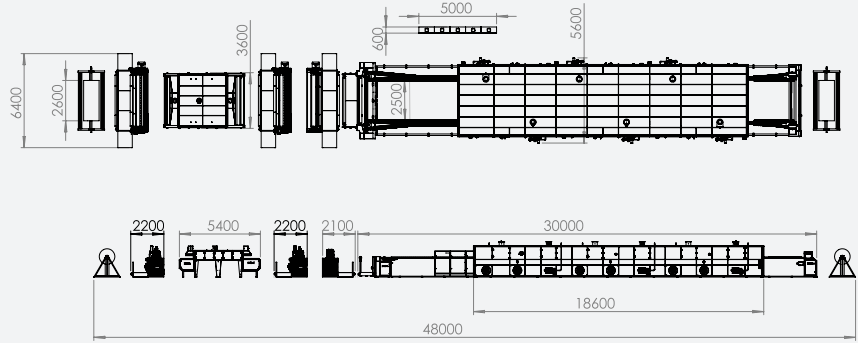
### Informations and Benefits ; Bilgiler ve Faydaları

- \* **Latex or PVC coating and pattern application can be done.**  
Lateks veya PVC taban kaplaması ve desen uygulaması yapılabilir.
- \* **The desired knitted, woven, or nonwoven fabric can be worked on.**  
İstenen en örme, dokuma veya nonwoven kumaş çalışılabilir.
- \* **It is suitable for multi-blade coating.**  
Çoklu bıçak kaplamaya uygundur.
- \* **The fabric can be turned inside out from the top layer to coat the back side as well.**  
Üst kattan kumaş terse dönerek arka yüze de kaplama yapılabilir.
- \* **It can be designed according to the customised production method.**  
İstenen üretim şekline göre dizayn edilebilmektedir.

LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL DRAWING

TEKNİK ÇİZİM



LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL SPECIFICATIONS

TEKNİK ÖZELLİKLER

### Working Width

Çalışma Genişliği

1.200 - 3.600 mm

### Chamber Length

Oda Uzunluğu

2.000 mm - 3.000 mm

### Heating Type

Isıtma Tipi

Gas, Lpg, Hot Oil, Steam, Electrical Coil, Infrared Lamp

Gaz, LPG, Sıcak Yağ, Buhar, Elektrik Bobini, İnfrared Lamba

### Options

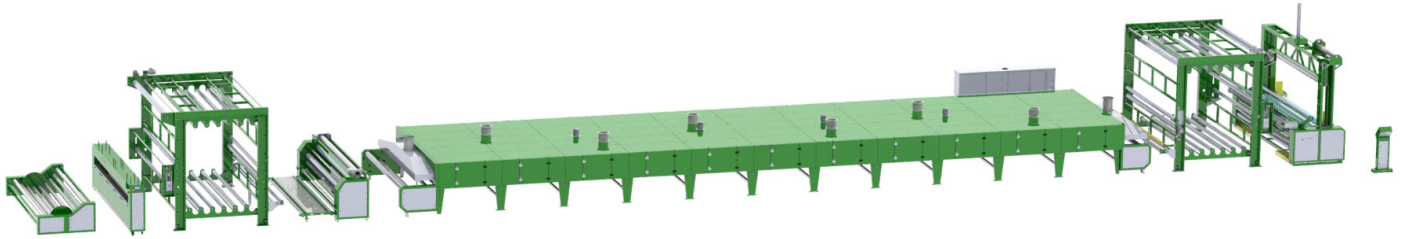
Opsiyonlar

Foulard units, piece of chamber, IR pre-heating system, gumming and edge cutting units plaiter or roll wrapping outlet units

Fular üniteleri, Odacık parçası, Kızılötesi ön ısıtma sistemi, Yapıştırma ve kenar kesme üniteleri, Örgü veya rulo sarma çıkış üniteleri

# NON-SLIP COATING

KAYMAZ TABAN HATTI



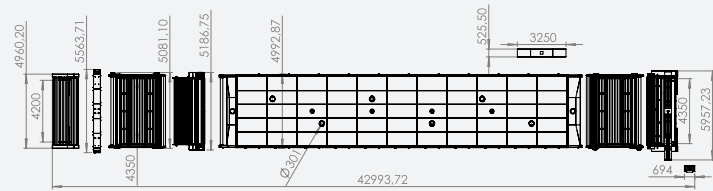
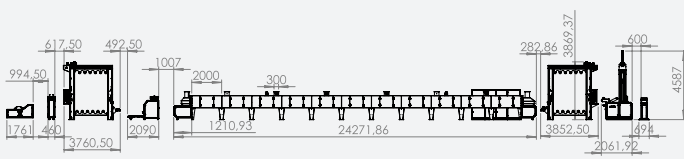
## Informations and Benefits ; Bilgiler ve Faydaları

- **Useful for blade coating or rotation printing**  
Bıçak kaplama veya rotasyon baskı için uygundur.
- **All kinds of fabric can be coated**  
Her türlü kumaş kaplanabilir.
- **Can be seen desired print by chilled pattern roller at the dryer outlet**  
Kurutucu çıkışında desen silindiri ile soğuk baskı yapılabilir.
- **Cooling roller or air cooling can be applied**  
Soğutma silindiri veya hava soğutma uygulanabilir.

LAMDA HEATING &amp; DRYING SYSTEMS

## DETAILS

DETAYLAR



LAMDA HEATING &amp; DRYING SYSTEMS

## TECHNICAL SPECIFICATIONS

TEKNİK ÖZELLİKLER

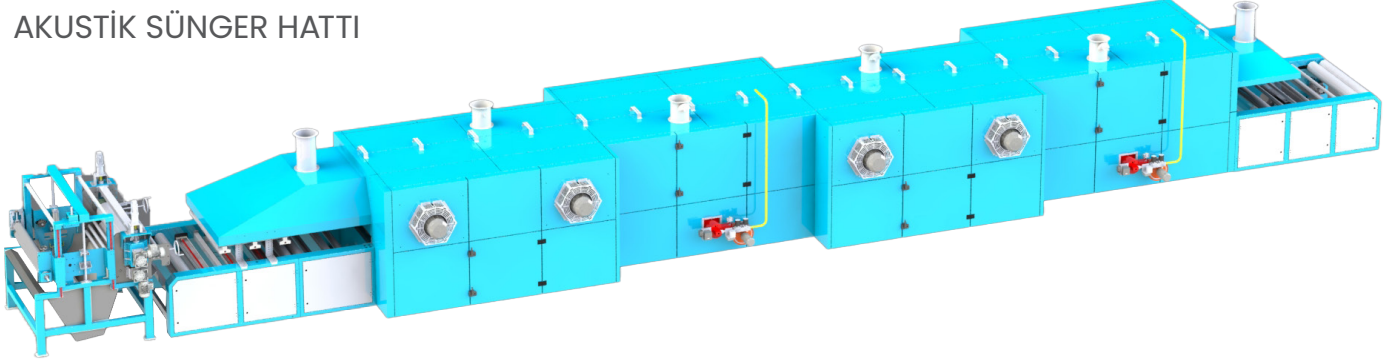
<b>Coating Type</b> Kaplama Türü	Blade or screen printing
<b>Heating Source</b> Isı Kaynağı	Dry air or infrared lamps
<b>Dryer Length</b> Kurutucu Uzunluğu	Optional
<b>Working Width</b> Çalışma Genişliği	1.000 – 4.500 mm
<b>Blade Print Setting</b> Bıçak Baskı Ayarı	Servo Engine

# 04

LAMDA HEATING & DRYING SYSTEMS

## FOAM DRYER

AKUSTİK SÜNGER HATTI



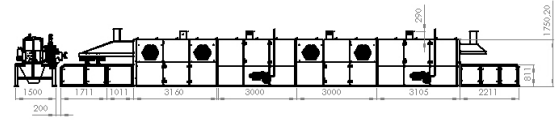
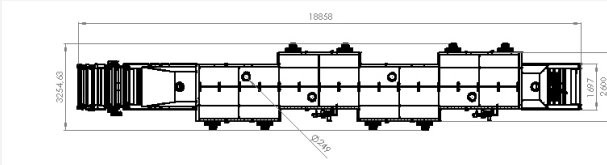
### Informations and Benefits ; Bilgiler ve Faydaları

- \* **Designed for drying impregnated foam or high weight nonwoven materials**  
Kimyasal emdirilmiş sünger ve yüksek yoğunluklu nonwoven kurutulmasına uygundur.
- \* **Chemical is homogenously impregnated into the material and achieves fireproof and acoustic properties**  
Kimyasal madde malzemenin içine homojen bir şekilde emdirilir ve yangına dayanıklı ve akustik özellikler elde edilir.
- \* **Maximum drying capacity is provided by 4 different hot air movements**  
Maksimum kurutma kapasitesi, 4 farklı sıcak hava hareketi ile sağlanır.

LAMDA HEATING & DRYING SYSTEMS

## DETAILS

DETAYLAR



LAMDA HEATING & DRYING SYSTEMS

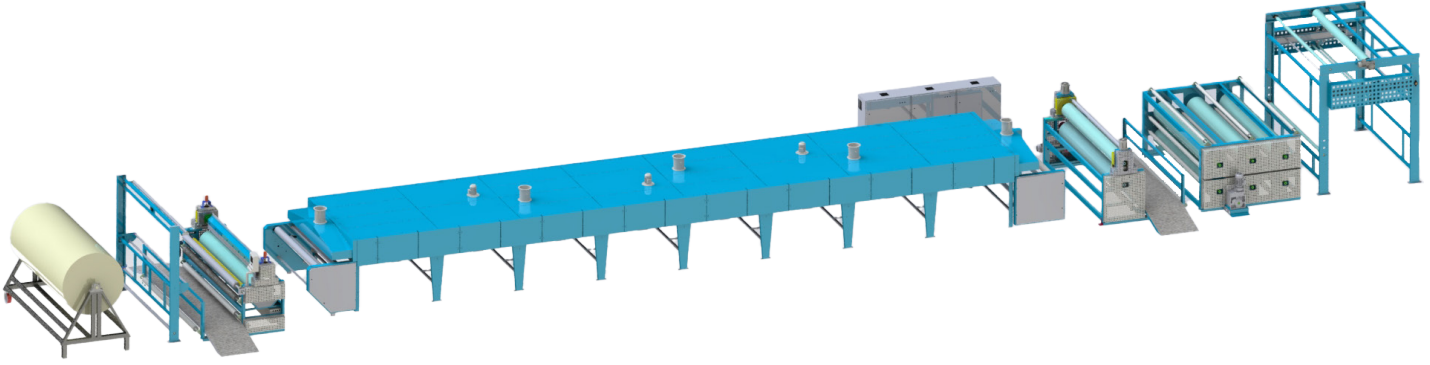
## TECHNICAL SPECIFICATIONS

TEKNİK ÖZELLİKLER

<b>Coating Type</b> Kaplama Türü	Chemical impregnation between double steel mesh conveyor
<b>Squeezing Roller</b> Sıkıştırma Rulosu	Chrome Cylinders
<b>Density Adjustment</b> Yoğunluk Ayarı	Servo engine – sensitive drive
<b>Heating Source</b> Isı Kaynağı	Dry air (Hot oil, gas or electric coil)
<b>Working Width and Length</b> Çalışma Geniřlięi ve Uzunluęu	Optional

# PVC COATING LINE

BRANDA ÜRETİM HATTI



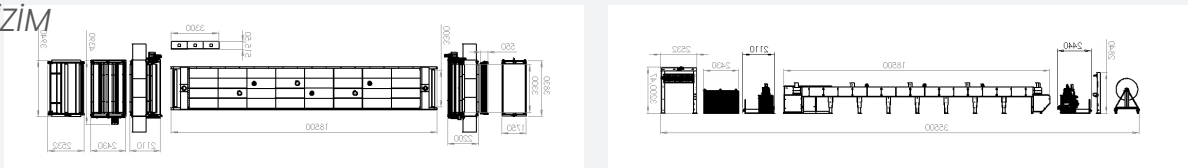
## Informations and Benefits ; Bilgiler ve Faydaları

- \* **Useful for blade coating or rotation printing**  
Bıçak kaplama veya rotasyon baskı için uygundur.
- \* **All kinds of fabric can be coated**  
Her türlü kumaş kaplanabilir.
- \* **Can be seen desired print by chilled pattern roller at the dryer outlet**  
Kurutucu çıkışında desen silindiri ile soğuk baskı yapılabilir.
- \* **Cooling roller or air cooling can be applied**  
Soğutma silindiri veya hava soğutma uygulanabilir.

LAMDA HEATING &amp; DRYING SYSTEMS

## TECHNICAL DRAWING

TEKNİK ÇİZİM



LAMDA HEATING &amp; DRYING SYSTEMS

## TECHNICAL SPECIFICATIONS

TEKNİK ÖZELLİKLER

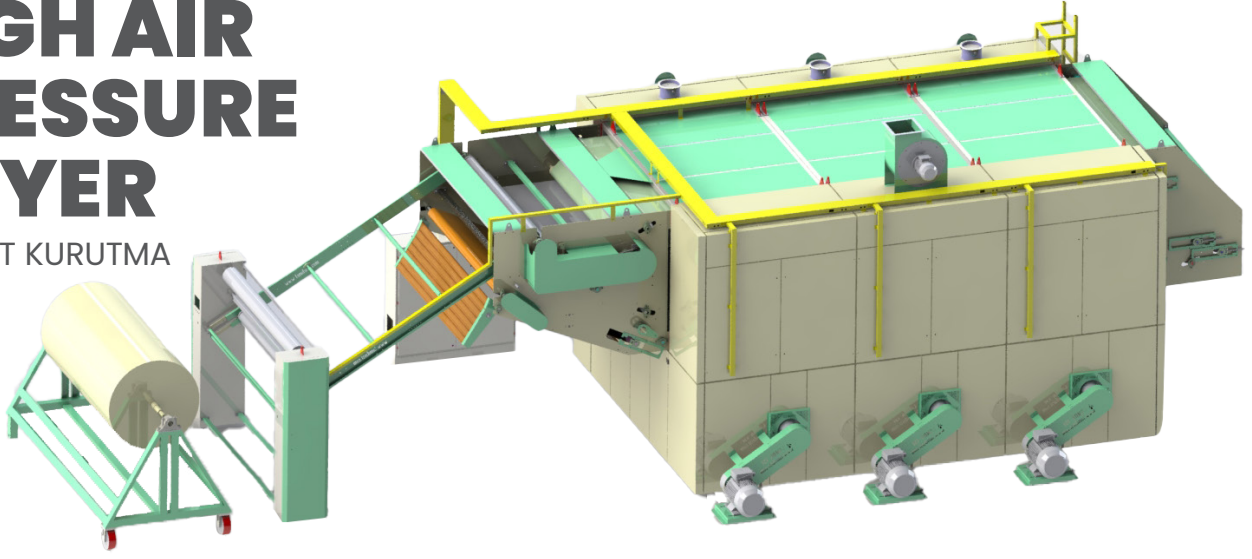
<b>Coating Type</b> Kaplama Türü	Blade or screen printing
<b>Heating Source</b> Isı Kaynağı	Dry air or infrared lamps
<b>Dryer Length</b> Kurutucu Uzunluğu	Optional
<b>Working Width</b> Çalışma Genişliği	100 – 4.500 mm
<b>Blade Print Setting</b> Bıçak Baskı Ayarı	Servo Engine

# 06

LAMDA HEATING & DRYING SYSTEMS

## HIGH AIR PRESSURE DRYER

SERBEST KURUTMA



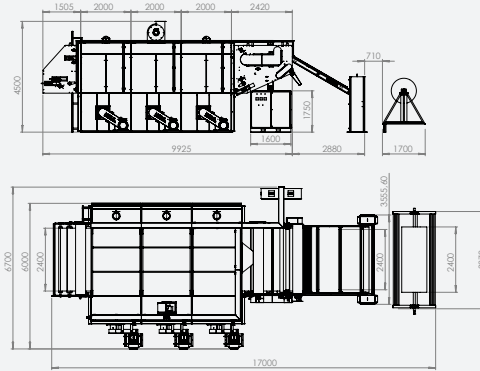
### Informations and Benefits ; Bilgiler ve Faydaları

- \* It provides high-capacity drying.  
Yüksek kapasiteli kurutma sağlar
- \* Desired width and length can be produced.  
İstenilen en ve boy da üretilebilir
- \* Homogeneous temperature distribution  
Homojen sıcaklık dağılımı
- \* Easy to clean  
Kolay temizlenebilir

LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL DRAWING

TEKNİK ÇİZİM



LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL SPECIFICATIONS

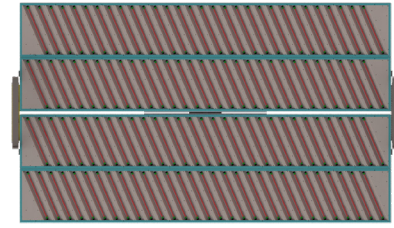
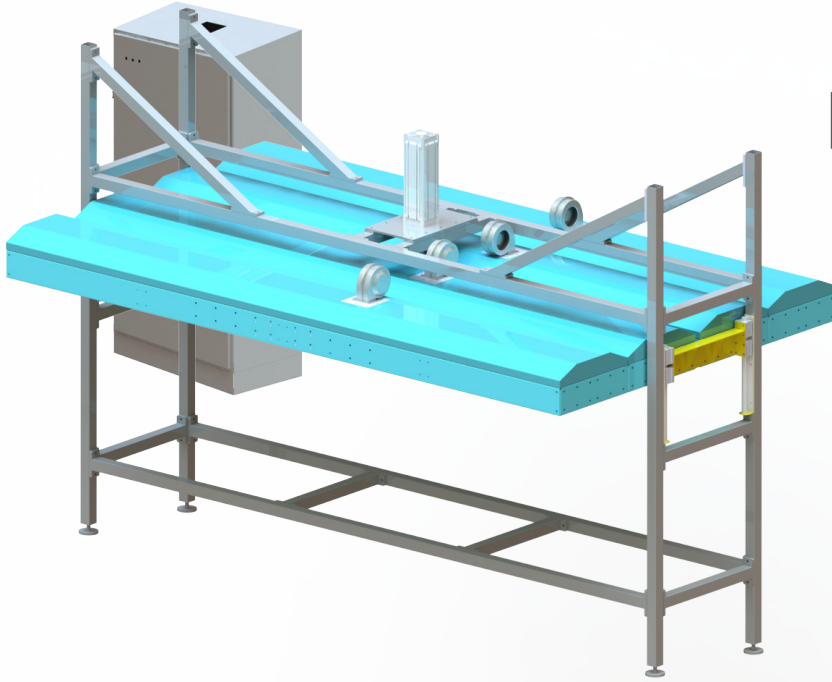
TEKNİK ÖZELLİKLER

<b>Working Width</b> Çalışma Genişliği	1.200 - 3.600 mm
<b>Chamber Length</b> Oda Uzunluğu	2.000 mm
<b>Heating Type</b> Isıtma Tipi	Gass, Lpg, Hot Oil, Steam, Electrical Coil Gaz, LPG, Sıcak Yağ, Buhar, Elektrik Bobini
<b>Options</b> Opsiyonlar	Single pass, double pass, or triple pass, equalize entry chain system Tek geçiş, iki geçiş veya üç geçiş, egalize giriş zincir sistemi

LAMD A HEATING &amp; DRYING SYSTEMS

# PRE-HEATING FOR THE STENTER

IR RAM ÖN ISITMA



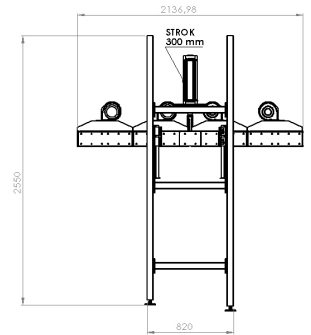
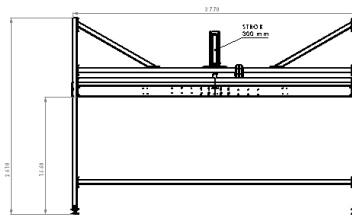
## Informations and Benefits ; Bilgiler ve Faydaları

- \* **Effective on from %5 to full lycra fabrics ( cotton-lycra, lycra-polyester, lycra-viscose, viscose-polyester)**  
Ram üretim hızını ortalama %20 artırır.
- \* **Provides open width fixing quality by blowing air from 4 sides**  
Ram makinesinin orijinali bozulmadan giriş freyminde kurulur.
- \* **Never creates any edge marks**  
Kabin ilavesi yapmaya kıyasla ekstra yer kaplamaz ve kurulum maliyeti düşüktür.
- \* **Saves time against cutting and sanforizing process**  
Zincir durduğunda infrared lambalar söner, panel havaya kalkar ve kumaşa zarar vermez.

LAMD A HEATING &amp; DRYING SYSTEMS

## TECHNICAL DRAWING

TEKNİK ÇİZİM



LAMD A HEATING &amp; DRYING SYSTEMS

## TECHNICAL SPECIFICATIONS

TEKNİK ÖZELLİKLER

<b>Heater Type</b> Isı Kaynağı	Halogen shortwave or quartz mediumwave infrared
<b>Working Width</b> Çalışma Geniřlięi	300 - 4.200 mm
<b>Electrical Capacity</b> Elektrik Kapasitesi	60 kw / 380V
<b>Heat Control</b> Sıcaklık Kontrolü	PID control, ability to set different heat zones
<b>Options</b> Opsiyonlar	IR total power, mechanical movement, surface temperature reading, and automation

08

LAMDA HEATING & DRYING SYSTEMS

# PVB & EVA GLASS LAMINATING FURNACE

LAMİNE CAM FIRINI



## Informations and Benefits ; Bilgiler ve Faydaları

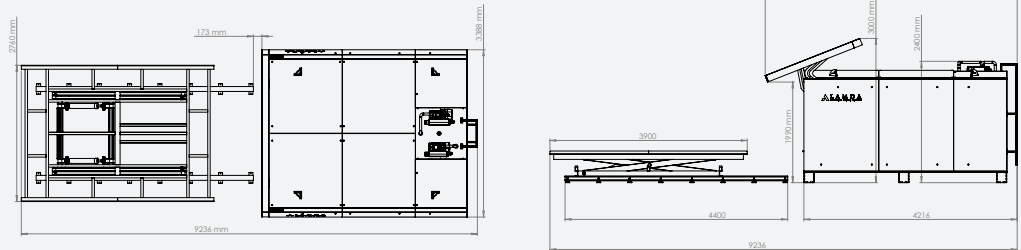
### \* ADVANTAGE OF LAMDA PVB FURNACE:

- \* Since pvb is protected from moisture, the room where humidity and temperature control is required for storing or processing PVB in the lamda PVB furnace is needed. In this way, both the production cost and the investment cost are a low system.
- \* It does not require a pre-laminate line, so a pre-furnace or roller system is not required.
- \* It does not require a compressor that consumes high energy.
- \* As is known, since the autoclave system operates under pressure, there is a risk of explosion in any error, since there is no pressure in the lamda PVB system, there is no risk of explosion.
- \* It is operated with low cost due to its higher energy efficiency of up to 70% compared to traditional autoclave systems
- \* Fixed energy costs independent of the production volume.
- \* Possibility of layered lamination up to 60-70 mm in several independent combinations in a single piece or in a full tray for this reason, the autoclave in the production of bulletproof glass is very easy and mass production can be made instead of a disposable vacuum bag. Because it is a fixed vacuum bag, there is no need for a disposable vacuum bag.
- \* A system that provides high temperature uniformity by using heat-emitting plates above and below the glass surface.
- \* With many decorative materials such as fabric, digital printed, mesh etc. Which cannot be produced in the autoclave, special glasses used in the architectural sector can be manufactured without problems with the lamda pvb system.

LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL DRAWING

TEKNİK ÇİZİM



LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL SPECIFICATIONS

TEKNİK ÖZELLİKLER

TECHNICAL CHARACTERISTICS OF THE LAMDA PVB FURNACE							
Type	Model	Width (cm)	High (cm)	Length (cm)	Max. Length (cm)	Glass Size (cm)	Power
Lamda PVB	LMD2232-2R	310	280	365	780	220 x 320	75 kw
Lamda PVB	LMD2232-4R	310	355	365	780	220 x 320	125 kw
Lamda PVB	LMD2536-2R	340	280	405	860	250 x 360	81 kw
Lamda PVB	LMD2536-4R	340	355	405	860	250 x 360	135 kw
Lamda PVB	LMD2545-2R	340	280	495	1040	250 x 450	108 kw
Lamda PVB	LMD2545-4R	340	355	495	1040	250 x 450	180 kw
Lamda PVB	LMD3260-4R	420	355	645	1340	321 x 600	300 kw

LAMDA HEATING &amp; DRYING SYSTEMS

# TUBULAR THERMOFIXING MACHINE

 TÜP TERMOFİKSE  
 MAKİNESİ

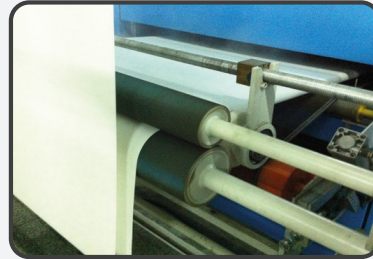

## Informations and Benefits ; Bilgiler ve Faydaları

- Effective on from %5 to full lycra fabrics ( cotton-lycra, lycra-polyester, lycra-viscose, viscose-polyester)**  
 %5'den ful likraya kadar etkilidir.
- Provides open width fixing quality by blowing air from 4 sides**  
 Kumaşa 4 yandan sıcak hava üfleyerek açık en kalitesinde fikse eder.
- Never creates any edge marks**  
 Kesinlikle kenar izi yapmaz.
- Saves time against cutting and sanforizing process**  
 Kesme ve sanfor proseslerini hızlandırır.
- 6 meters long special formwork system**  
 6 metre uzunluğunda tek parça kalıp.
- A second floor with free passage can be added optionally**  
 Opsiyon olarak ikinci kat serbest geçiş ısı kabini ilave edilebilir.

LAMDA HEATING &amp; DRYING SYSTEMS

## DETAILS

DETAYLAR



LAMDA HEATING &amp; DRYING SYSTEMS

## TECHNICAL SPECIFICATIONS

TEKNİK ÖZELLİKLER

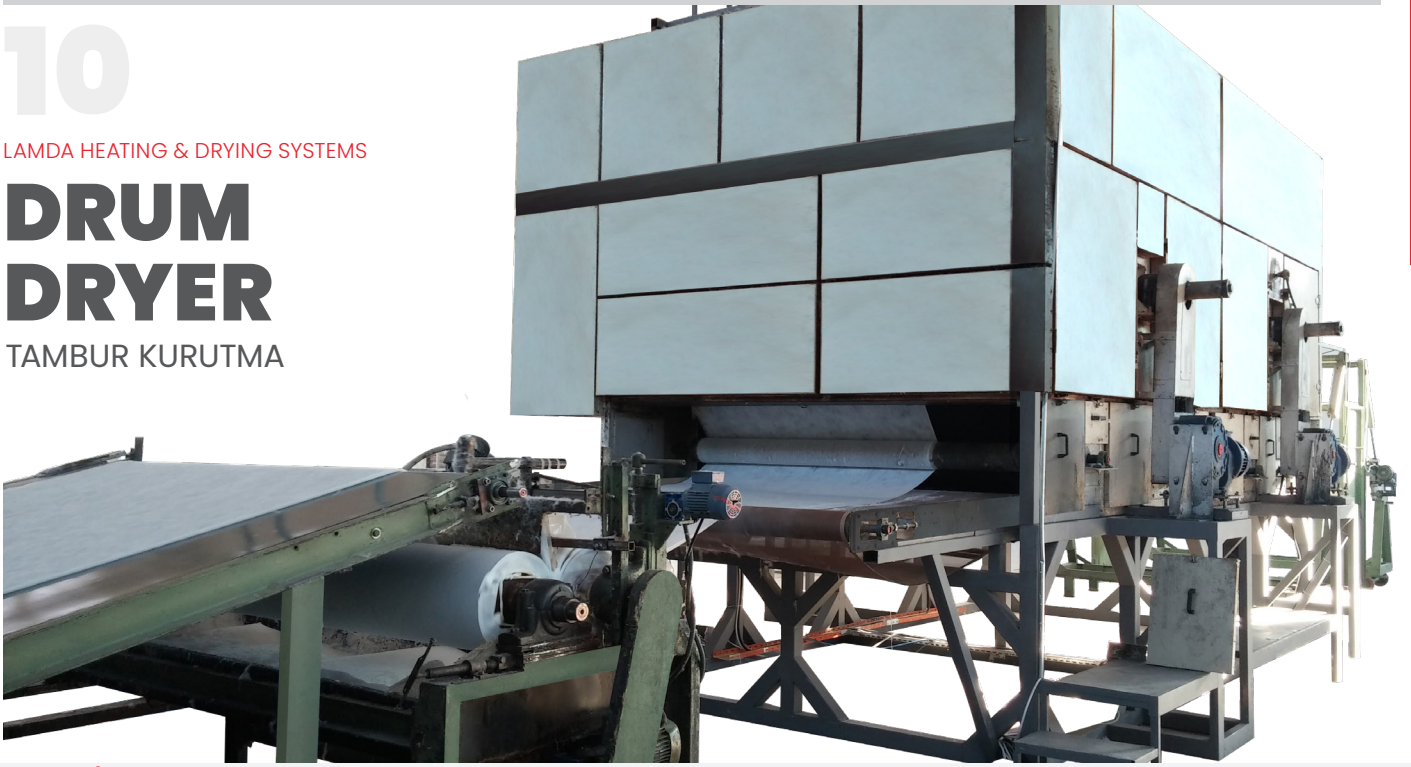
<b>Dimension</b> Boyut	12.000 mm length, 2.580 mm width, 1.800 mm height
<b>Working Width</b> Çalışma Geniliği	1.200 - 3.600 mm
<b>Fabric Carrier Formwork Length</b> Kumaş Taşıyıcı Kalıp Uzunluğu	6.000 mm
<b>Production Speed</b> Ürün Üretim Hızı	20 mt/min max.
<b>Electrical Capacity</b> Elektrik Kapasitesi	15,29 kw / 380V
<b>Temperature</b> Sıcaklık	220 °C max.
<b>Heating Source</b> Isı Kaynağı	Hot oil, natural gas, lpg
<b>Options</b> Opsiyonlar	Second floor free drying cabin ikinci kat serbest kurutma kabini

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LAMDA HEATING & DRYING SYSTEMS

# DRUM DRYER

TAMBUR KURUTMA



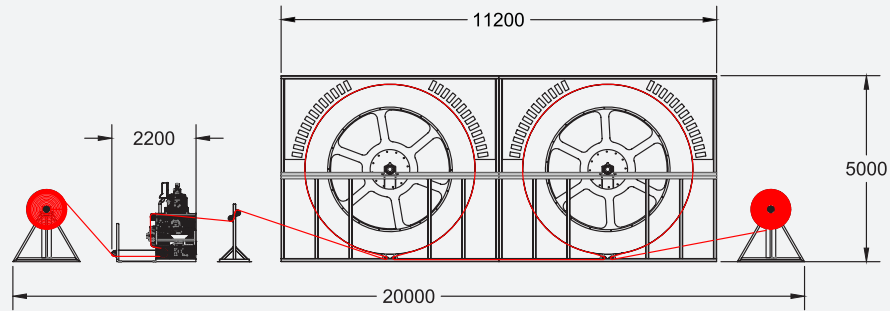
## Informations and Benefits ; Bilgiler ve Faydaları

- \* **For drying low grammage nonwoven (fabric) or cotton**  
Düşük gramajlı nonwoven (tela) veya pamuğun kurutulmasında
- \* **It provides effective drying without creating edge differences with homogeneous heat transfer.**  
Homojen ısı geçişi ile kenar farkı yapmadan etkili kurutma sağlar.
- \* **In case of fabric tear, it allows easy intervention from below.**  
Kumaş kopma durumunda alttan kolay müdahale edilebilir.
- \* **Ability to synchronize tension for delicate fabrics**  
Hassas kumaş gergi senkronizasyonu yapabilme
- \* **It can be manufactured in the desired diameter and number of drums.**  
İstenen çapta ve tambur sayısında imal edilebilir.

LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL DRAWING

TEKNİK ÇİZİM



LAMDA HEATING & DRYING SYSTEMS

## TECHNICAL SPECIFICATIONS

TEKNİK ÖZELLİKLER

<b>Working Width</b> Çalışma Genişliği	1.200 - 4.500 mm
<b>Drum Diameter</b> Kazan Çapı	50 - 300 mm
<b>Production Speed</b> Ürün Üretim Hızı	0 - 80 mt.
<b>Drum Surface</b> Tambur Yüzeyi	Teflon Coating
<b>Temperature</b> Sıcaklık	220 °C max.
<b>Heating Source</b> Isı Kaynağı	Thermal Oil, Steam, Natural Gas

LAMDA HEATING &amp; DRYING SYSTEMS

## VARIOUS HEATING & DRYING PROJECTS

ÇEŞİTLİ ISITMA VE KURUTMA PROJELERİ



### Storage Dryer / ETÜV

**Info:** It is suitable for materials that need to be stored and dried. It provides homogeneous dry air circulation.

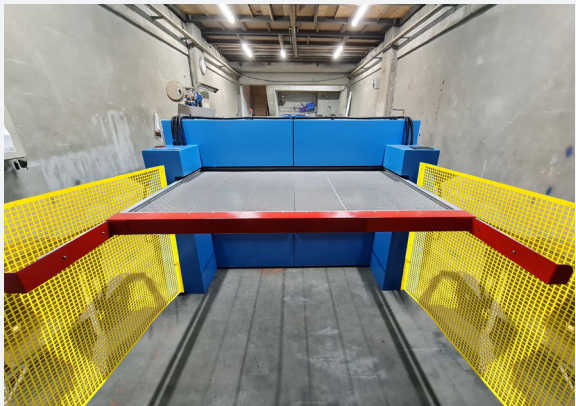
Depolanarak kurutulması gereken malzemeler için uygundur. Homojen kuru hava sirkülasyonu sağlar



### 3 - Pass Dryer / 3 GEÇİŞLİ ARA KURUTMA

**Info:** It saves space in the production of heavy layer materials (bitumen).

Ağır katman malzeme üretiminde (bitümen) yerden tasarruf sağlar



### Hot Air Dryer / PARÇA ÖN ISITMA

**Info:** Preheating automotive nonwovens with dry air circulation

Kuru hava sirkülasyonlu otomotiv nonwoven ön ısıtma

Automatic table entry and exit, compliant with safety standards

Otomatik tabla giriş çıkışı, iş güvenliği standartlarına uygun

LAMDA HEATING & DRYING SYSTEMS

## VARIOUS HEATING & DRYING PROJECTS

ÇEŞİTLİ ISITMA VE KURUTMA PROJELERİ



### **Infrared Dryer / IR PARÇA ÖN ISITMA**

**Info:** Preheating automotive nonwovens with infrared  
infrared otomotiv nonwoven ön ısıtıcı

Automatic table entry and exit,  
compliant with safety standards

Otomatik tabla giriş çıkışı, iş  
güvenliği standartlarına uygun

Regional surface temperature  
reading and automatic control

Bölgesel yüzey sıcaklığı okuma  
ve otomatik kontrolü



### **Infrared Furnace with Air Circulation**

**/ IR 6 HAVA ÜFLEMELİ FİKSE FIRINI**

**Info:** It circulates the same air  
with infrared heating.

Infrared ısıtma ile birlikte  
aynı havayı sirküle eder

It is suitable for digital printing  
on high grammage fabric.

Yüksek gramajlı kumaşa dijital  
baskılar için uygundur



### **Shrink / ŞİRİNKLEME FIRINI**

**Info:** Electric coil heated packaging  
shrink furnace

Elektrik serpantin ısıtmalı  
ambalaj çektirme fırını

LAMDA HEATING &amp; DRYING SYSTEMS

## VARIOUS HEATING & DRYING PROJECTS

ÇEŞİTLİ ISITMA VE KURUTMA PROJELERİ

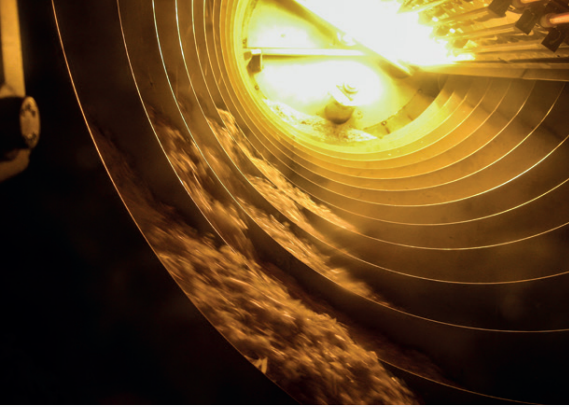


### Rotary Dryer / IR DÖNER KURUTUCU

**Info:** Suitable for drying of scrap materials (plastic, sawdust, food waste, compressed coal, various recycling)  
 Hurdaların kurutulması için uygun (plastik, talaş, gıda atıkları, preslenmiş kömür, çeşitli geri dönüşümler)

Can be produced different size and desired heating systems

Farklı boyutlarda ve istenilen ısıtma sistemlerinde üretilebilir.



### Rotary Dryer / IR KIRPINTI KURUTUCU

**Info:** Suitable for drying of scrap materials (plastic, sawdust, food waste, compressed coal, various recycling)  
 Hurdaların kurutulması için uygun (plastik, talaş, gıda atıkları, preslenmiş kömür, çeşitli geri dönüşümler)

Can be produced different size and desired heating systems

Farklı boyutlarda ve istenilen ısıtma sistemlerinde üretilebilir.



### Hot Air Dryer / GAZLI FİKSE FIRINI

**Info:** Suitable for after digital printing, screen printing and various coating applications  
 Dijital baskı, serigrafi ve çeşitli kaplama uygulamalarından sonra kullanıma uygundur.

Low energy consumption, high efficiency, stylish design  
 Düşük enerji tüketimi, yüksek verimlilik, şık tasarım

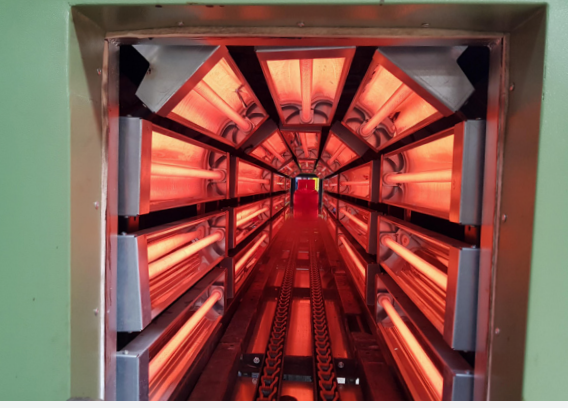
Can be produced different size and desired heating systems

Farklı boyutlarda ve istenilen ısıtma sistemlerinde üretilebilir.

LAMDA HEATING & DRYING SYSTEMS

## VARIOUS HEATING & DRYING PROJECTS

ÇEŞİTLİ ISITMA VE KURUTMA PROJELERİ



### **Tunnel Infrared Dryer**

/ TÜNEL TİP IR FIKSE FIRINI

*Info:* It can be created for high-temperature applications up to 600 degrees Celsius.

Yüksek sıcaklık uygulamalarında 600 dereceye kadar oluşturulabilir.



### **Mini Infrared Furnace** / MİNİ IR FIKSE FIRINI

*Info:* It offers space-saving practical solutions.

Yer kaplamayan pratik çözümler sunar



### **Triangle Infrared Dryer**

/ ÜÇGEN TİP DİJİTAL FIKSE FIRINI

*Info:* A space-saving dryer for digital printing.

Dijital baskı sonrası yerden tasarruf sağlayan infrared kurutucu



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