



## Waste Heat Recovery

# Custom Heat Exchangers

As Türevmak, we have produced many of heat exchangers in many stainless and metal material derivatives that require special design and manufacturing for our customers.

The heat exchangers we produce work safely in many areas such as automotive, cement, ceramics, steam systems in the sector. All products are manufactured using world class welding skills based on universal technical and environmental principles.

There are no manufacturing-related restrictions on the size of the heat exchanger required by our customers. Products that are not suitable for transport in one piece are designed to be part-assembled.

## Welding Quality

We perform WPS and PQR welding procedures with trained and competent personnel. We perform welding x-ray examination under all conditions, including the possibility of welding in welding types such as robotic, argon, gas metal, electrode, and post-welding heat treatment, and pressure vessel class products under welding standards.

### Why Custom Manufacturing?

The need for different heat exchanger design and production parameters for different industrial areas is a natural process. The solution for non-fabricated heat transfer products is design and production according to needs. You can reach our current reference gallery on heat exchangers with the QR code below.



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Energy

Enviroment

Manufacturing

Engineering



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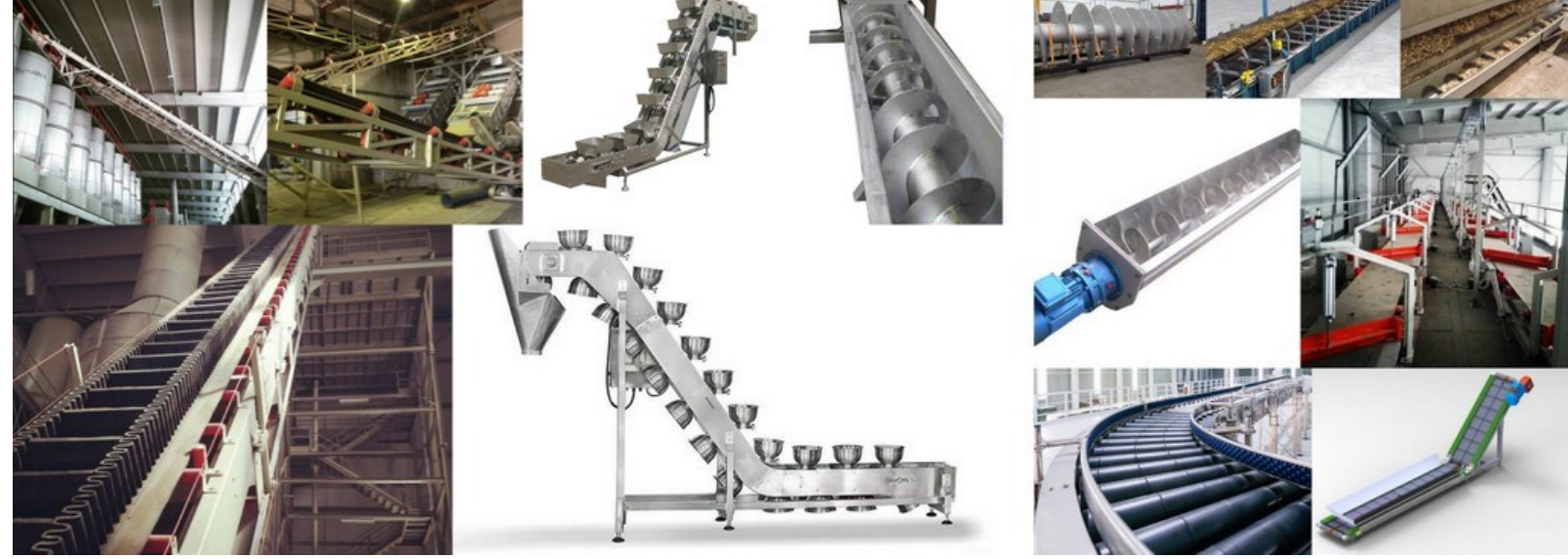
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## Türevmak-Product Transfer Systems

Conveyor ,Screw Conveyor and Elevation Systems

### Industries;

- Brick,Tile
- Ceramic
- Wood
- Food
- Cement
- Chemistry
- Metal
- Mining

Product transfer is one of the basic requirements for the industry. For the electromechanical systems used for this purpose to work, they must have the ability and durability to work sustainably.

With all our production and heavy industry experience, we are ready to be your solution partner in conveyor, screw and elevator systems for different industrial sectors and needs. We are a turnkey implementer in projecting, production, field montage and automation and management. We are also experienced in special systems that require very special production. You can reach our reference gallery with the QR code below.



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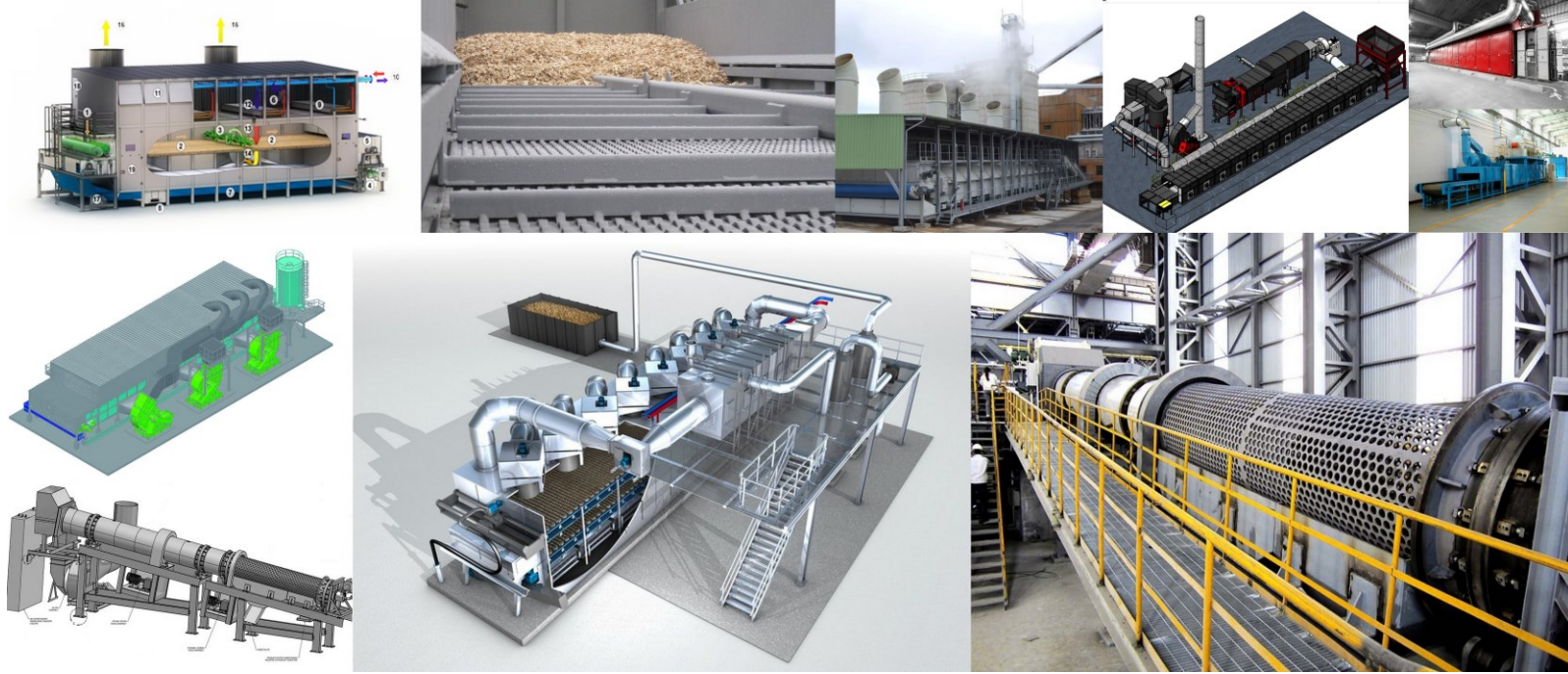
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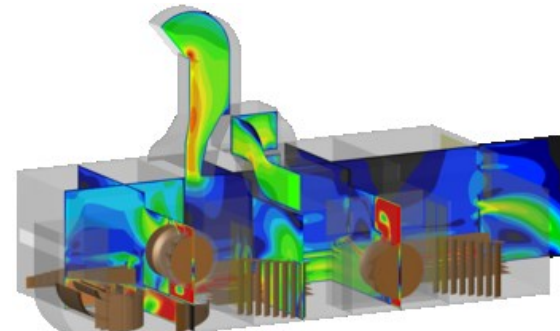
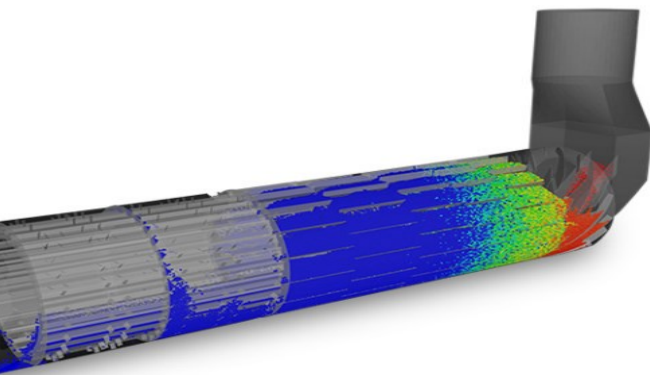
- Brick, Tile
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## Türevmak- Dryers

### Band, Drum and Spray Dryers

Türevmak has a wide range of products and service areas in industrial drying. There are 3 important features on the basis of the drying systems we apply: sustainability, efficiency and durability. Our thermodynamic engineering experience in the design of our drying systems enables our drying systems to become more efficient.

In all our drying systems; design that will provide easy maintenance and cleaning, automation system that will manage energy in the most efficient way in terms of thermodynamics, fire safety, inverter-controlled air circulation to minimize the waste heat in the drying exhaust, ability to work in different temperature profiles and material types, and the strength required in heavy industry conditions durability is taken into account.



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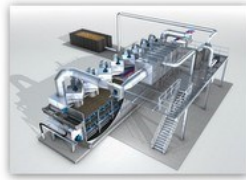
In addition to belt, drum and spray dryers, you can contact us on the following issue;

- ✓ Drying devices special parts manufacturing
- ✓ Spray Dryer Parts
- ✓ Fluidized bed dryer and fluidized bed dryer mechanics.
- ✓ Drying system filling and unloading elevator systems.
- ✓ Pre-drying product preparation machines.

All drying systems are designed to be highly resistant to the type of material to be dried and the physical impact of this material on the dryer, and are produced in our own factory. In addition, it is our first priority to have a thermodynamic design that can work with the waste heat recovery principle in order to ensure that the drying systems are more environmentally friendly and more efficient with sustainable innovative benefits. Please do not hesitate to contact us regarding your drying needs. You can reach our general service reference gallery with the QR code below



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## Türevmak-Machining/Welded-Weldless Manufaturig

### General Usable Materials

- Aluminium ,Stainless steels
- Bronze,Brass ,Copper, titanium alloys
- Engineering Plastics.

### Special Production Machinery Parts

Machining is a controlled production process used to create high-precision parts. In addition to precision machining machining that requires special production, we provide services by combining traditional and modern technologies, both welded and weldless.

We are able to respond to many production needs, including heavy-duty custom-made machine parts, with the machinery accumulation and experience we have gained at the end of more than a long period of engineering experience. Do not hesitate to contact us for all your special needs that require machining, welded and non-welded manufacturing. You can reach our general reference gallery with the QR code below.



#### Technical Drawing

Summit your drawing  
.dxf, dwg or .stp



#### Agreement

Confirm price and  
...delivery time .



#### Manufacturing

Production of your  
order under the  
desired technical



#### Delivery

On-time delivery  
in worldwide.

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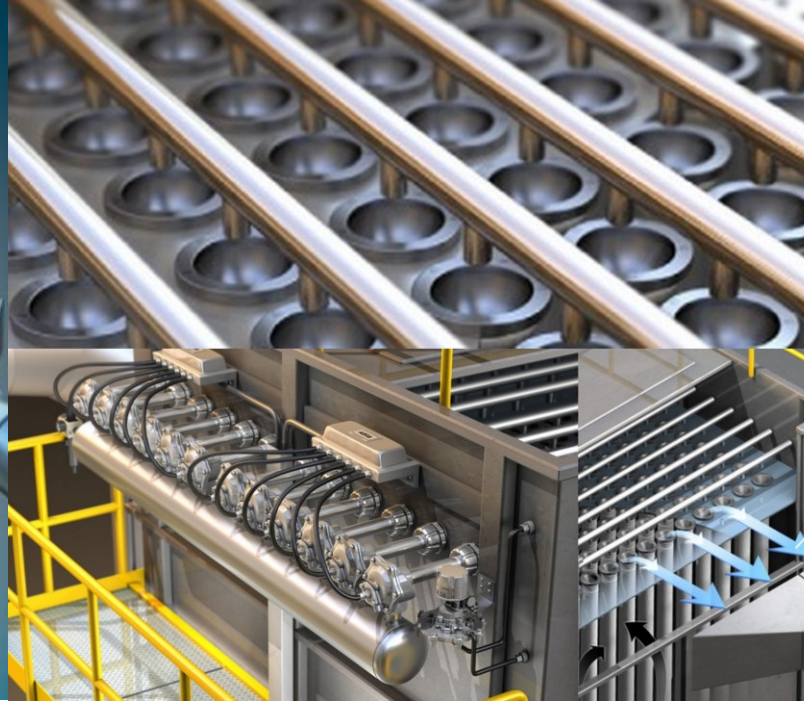
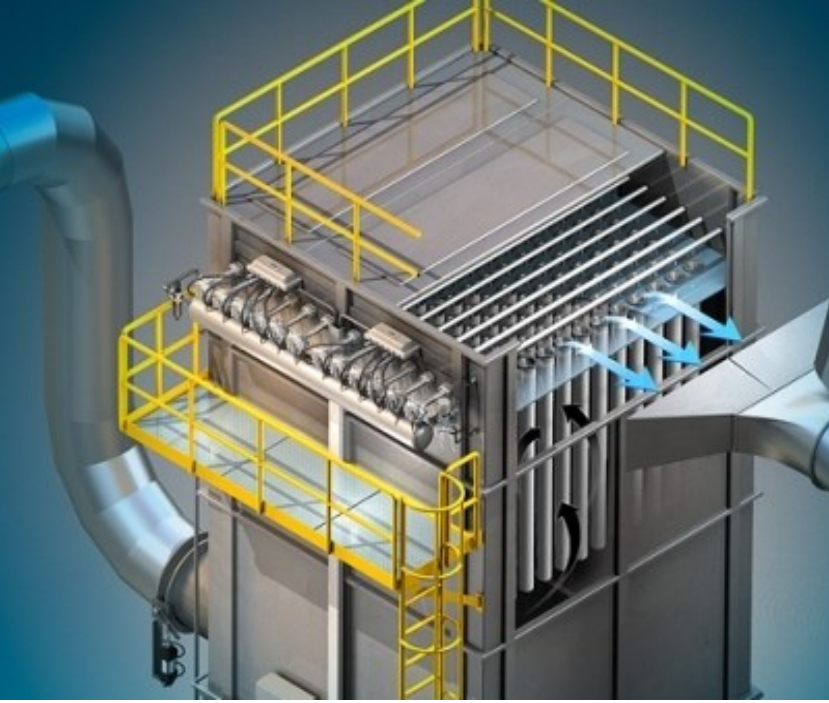
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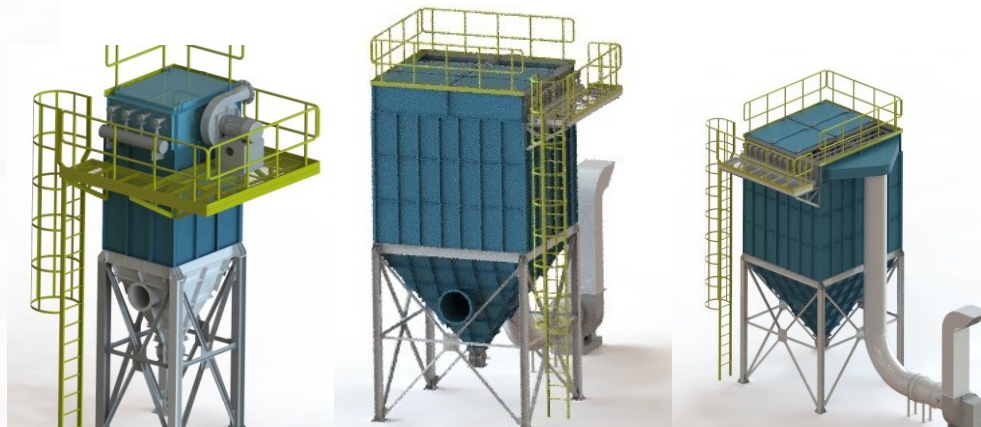
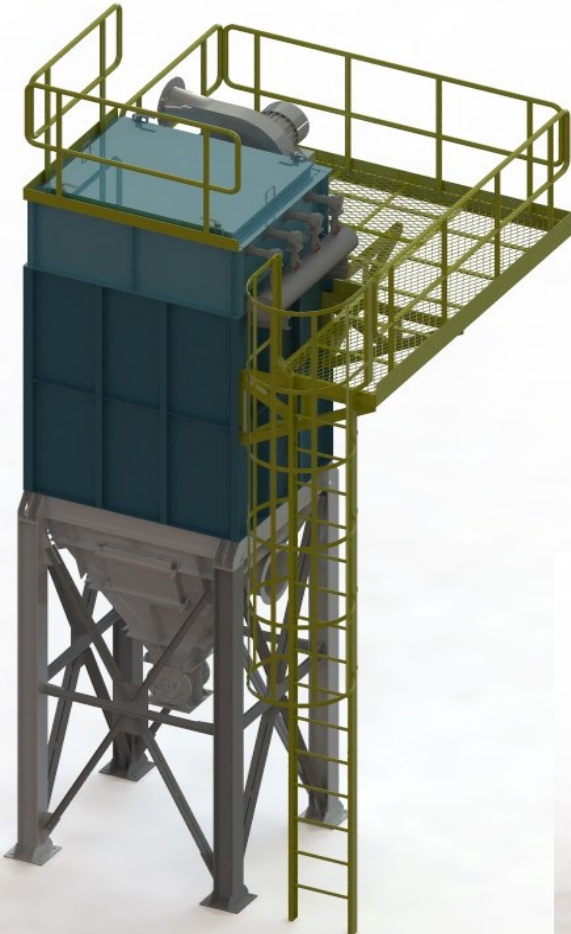


## Türevmak-Dust Collectors

### Bagged Dry Type Dust Collectors

Dust collecting system is a vital component in many industrial facilities in terms of minimizing the damage to the environment. The bagged dry type dust collectors we produce are known for their high quality construction structures and sustainable working performances.

Thanks to more than a long period of engineering experience, we have gained an undeniable experience in the manufacture, optimization and application of bagged dry type dusters. This know-how allows us to design and produce in a way that overcomes many of the common problems that other manufacturers cannot, while providing sustainable benefits to our customers. All of our products are produced with the concept of heavy-duty type.



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## Technical Informations;

Model	Filtration m <sup>2</sup>	Capacity m <sup>3</sup> /h	Bag Filter Unit
TRV24	18	1080-2160	24
TRV36	27	1620-3240	36
TRV48	36	2160-4320	48
TRV64	48	2880-5760	64
TRV80	60	3600-7200	80
TRV96	72	4320-8640	96
TRV112	84	5400-10800	112
TRV128	96	5760-11520	128
TRV150	113	6750-13500	150
TRV180	135	12000-24000	180
TRV220	165	15000-34000	220
TRV260	210	21000-50000	260
TRV CUSTOM	depend on customer	depend on customer	depend on customer

### Standard Accesories:

**Centrifugal Fan;** It is a first class equipment in accordance with the standards, operate silently complete with direct coupled or belt-pulley driven motor and without vibration. Fan power and energy consumption vary on the filter model.

**Pulse Valve and Air Cylinder;** Pulse valves are made of die-cast aluminum body and are 1½” in size. They operate at 24V DC standard voltage. The air cylinder, on the other hand, is suitable for pressure vessel technique and is large enough to store enough air in the two-explosion interval.

**Fan Control Panel :** It is made of hard plastic materials with time-controlled control, magnetic thermal switch, contactor, motor protection relay, direct current transformer, working-fault lamps to provide fan and pulse controls.

**Solenoid driver with Differential Pressure Control;** Thanks to a differential pressurestat that will detect the pressure difference at the filtering inlet and outlet, it saves compressed air consumption by keeping the pulse blasting interval long while the filters are clean. In case of contamination of the filters, it warns for timely replacement without clogging.

**Air Lock;** It is an element made of cast body, external bearing bearing, motor and reducer group, which ensures that the filtered dust is discharged continuously from the unit in case the dust density in the polluted air entering the filter is high.

### Optional Accesories:

**Pilot Box ;** It is used to prevent the pulse coils from being affected by harsh environmental conditions in the external environment

**Blast Cover;** Stainless steel explosion cover for explosive dusts, specially selected according to the application.

**Big-Bag Holder;** The dusts discharged from the bunker by means of the Air Lock must be collected in a certain container. Big-Bag Holders are designed to hang big bags on the Filter unit in the most convenient way

**Compressed Air Regulator;** It ensures that the compressed air coming from the compressor is transmitted to the air cylinder at the correct pressure and dry. In this way, the filter cleaning pressure is kept under control, and the filters are prevented from being damaged due to non-dry and very high pressure air.

**Screw / Conveyor System;** It is used to transport the waste by-product from the filter to the desired point without creating dust..

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