

**BORU VE PROFİL OTOMATİK PAKETLEME HATTI**  
**AUTOMATIC PACKAGING LINES FOR TUBES AND PROFILES**

**BORU VE PROFİL OTOMATİK BOYAMA MAKİNASI**  
**AUTOMATIC PAINTING LINES FOR TUBES AND PROFILES**

AND ADVANCED MACHINERY CENTER





# mekosan

## COMPANY PROFILE

Mekosan was established in 1997 in the industrial city of Kayseri, Turkey. A group of experienced engineers with a long history in the steel wire & cable industry started the design and manufacture of automated process equipment for wire drawing systems.

Through market demand, innovation and development new products were introduced and Mekosan's business today can be classified in specific technology areas: Automatic Packaging Machines for Tubes & profiles: The first automatic tube packaging machine was manufactured in 2005, today Mekosan has produced more than 50 units. As well as the Turkish tube market, Mekosan packaging systems are installed on tube mills in Europe and Middle East. Several units have also been supplied directly to tube mill manufacturing companies.

In addition to automatic packing systems have added offline painting lines and also jute packing systems to the tube & pipe machinery range. These new options give our customers the ability to protect their products in different ways for prolonged storage or long distance transport.

**Wire Drawing Production Machinery:** Continuous research and development in wire drawing technology has enabled Mekosan to establish itself as a leading supplier in this industry, both within Turkey and also overseas markets.

The introduction of the first 'torque motor system' for wire drawing has given producers significant manufacturing advantages such as energy savings, increased reliability, smaller footprints and reduced maintenance.

**Automation System Engineering:** Integrated electronic and mechanical engineering has also been utilised for many years at Mekosan. This considerable experience has enable us to also supply automation for systems and processes outside the standard Mekosan range of machinery. This has included waste water treatment, energy saving and crane systems.

In addition to being a design and manufacturing organisation, Mekosan is a distributor of ABB drives and motors in Turkey. We are also one of only three drive alliance partners for ABB drives in the Turkish market.

Mekosan operates out of two production plants in Kayseri with more than 8000m<sup>2</sup> of floor space. There are 125 employees including 20 engineers.

Mekosan Production range includes:

### Tube & Pipe Industry

- Automatic tube & profile packaging machines
- Jute bundle packing lines
- Tube and profile automatic painting lines

### Steel Wire Industry

- Steel wire drawing machines
- Vertical axis multiple block dancer arm with speed synchronisation
- Inclined axis multiple block dancer arm with speed synchronisation
- Multi block overhead dry drawing machines
- Vertical pay-off
- Spoolers
- Coilers
- Coiler lift unit
- Mechanical descaling unit
- Mechanical rust scathing brushes

### Copper Wire and Cable Industry

- Copper wire drawing from 8 mm to 1,20 mm double wire drawing
- Copper wire drawing from 1 mm to 0,10 mm for 16 wires.
- Electrolytic copper wire drawing machines – Inlet diameter 0,8-1.0mm, outlet diameter 0.01mm-0.25mm
- Motorised pay-off for 630mm spools
- Motorised pay-off for 1000mm spools
- Corrugator
- Tape pay-off for data cables

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## AUTOMATIC PACKAGING LINES

Mekosan has an ongoing commitment to continuously develop and improve high quality automatic packaging systems for the Tube & Pipe manufacturing industry.

Our packaging lines offer manufacturers fully automated, safe and efficient handling and packing of tubes/profiles with minimal labour costs. Throughout the process, products are handled and packaged with close control at high mill speeds.

The range of machines are capable of packing round tubes and square/rectangular profiles. Bundles produced can be hexagonal (round tubes), square or rectangular.

The automatic packaging machine consists of: Bundle formation unit, transfer system for formed tube bundle, manual strapping unit, conveyor, weighing station, labelling unit, oil drain section and final storage area.

### Product Range

Technical specification	MKSBP 50	MKSBP 75	MKSBP 100	MKSBP 150
ROUND TUBE	Ø13-51	Ø19-76	Ø21-114	Ø60-168
SQUARE PROFILES	DERIVED	DERIVED	DERIVED	DERIVED
RECTANGULAR PROFILES	DERIVED	DERIVED	DERIVED	DERIVED
Maximum Bundle Weight (6 m. Long)	3000 kg	3000 kg	4000 kg	4000 kg
TUBES LENGTH RANGE	4-8 m	4-8 m	4-12 m	4-12 m

### OTOMATİK PAKETLEME MAKİNESİ

MEKOSAN, uzun yıllar boyunca boru imalatçılara yönelik otomatik paketleme hatları sağlamayı amaçlamaktadır.

Paketleme hatlarımız yüksek imalat hızı, tam otomatik ürün imalatı düşük işçilik maliyeti maksimum iş güvenliği ve yüksek ürün kalitesi sağlar.

Paketleme hattı yuvarlak, kare, dikdörtgen boru ve profilleri altigen, kare ve dikdörtgen olarak paketler.

Otomatik paketleme hattı paketleme ünitesi, aktarma ünitesi, manuel bağlama ünitesi, konveyör, tartı, etiketleme, yağ süzdürme bölümü ve stok alanı gibi bölümlerinden oluşur.

STANDARD TECHNICAL FEATURES	MKSBP 50	MKSBP 75	MKSBP 100	MKSBP 150
ROUND TUBES	Ø13-51	Ø19-76	Ø21-114	Ø60-168
SQUARE TUBES	DERIVED	DERIVED	DERIVED	DERIVED
RECTANGULAR TUBES	DERIVED	DERIVED	DERIVED	DERIVED
WEIGHT OF BUNDLES (6 m. Long)	3000 kg	3000 kg	4000 kg	4000 kg
TUBES LENGTH	4-8 m	4-8 m	4-12 m	4-12 m

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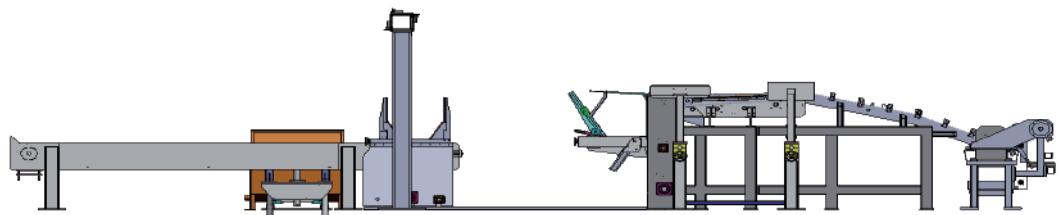
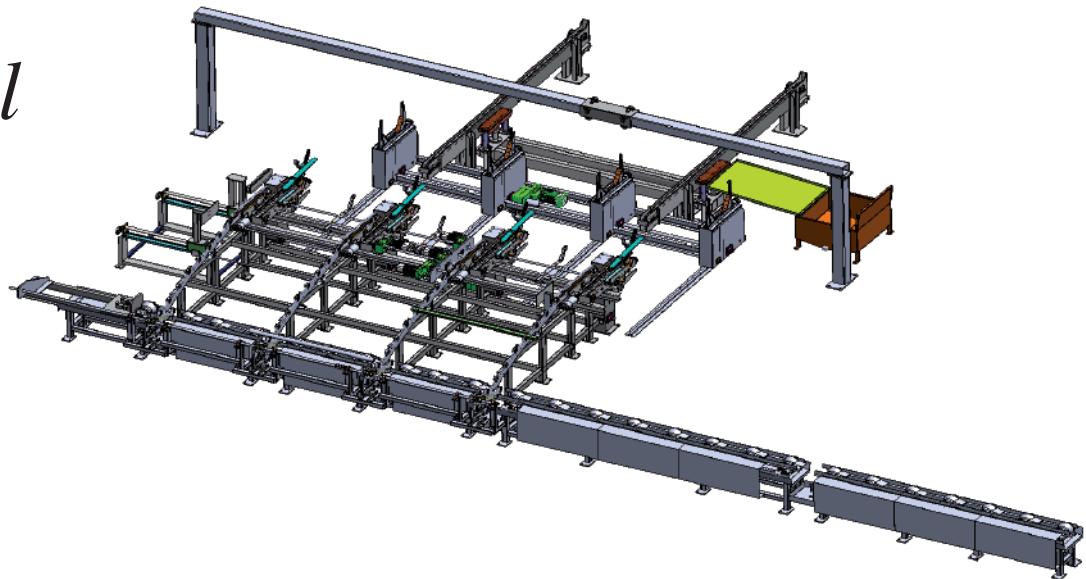




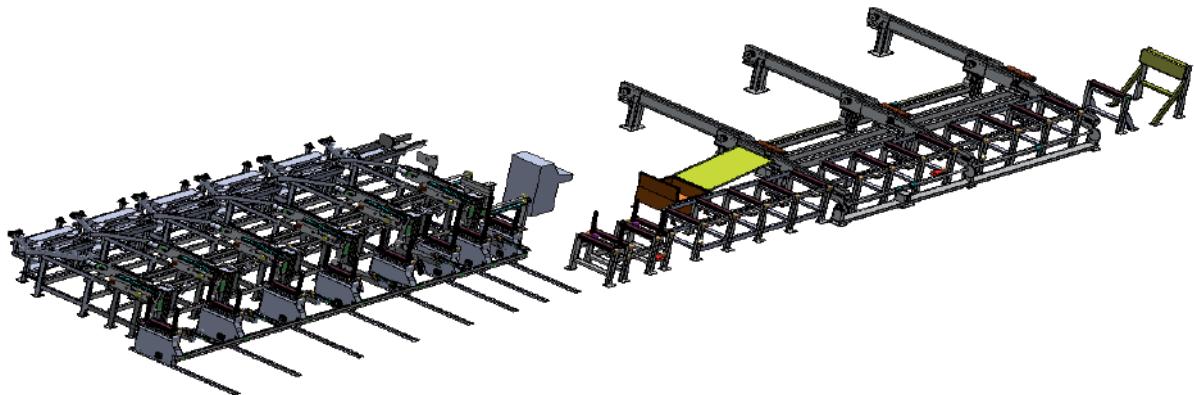
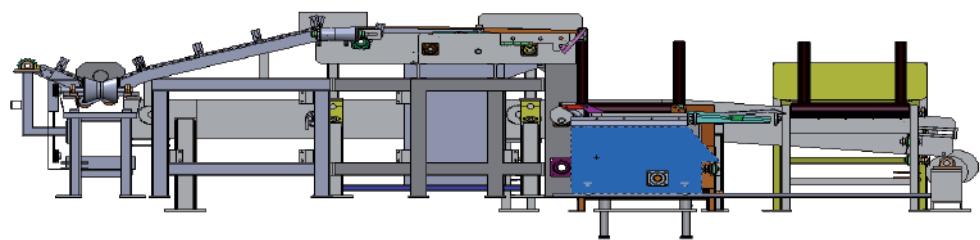


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*Frontal  
Type*



*Lateral  
Type*



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## AUTOMATIC JUTE PACKING LINE









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## AUTOMATIC PAINTING LINES



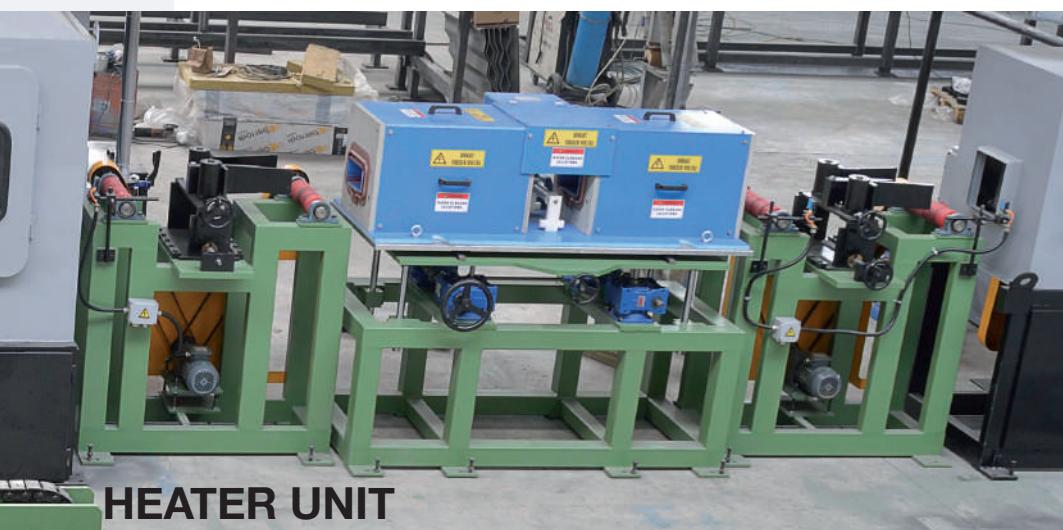
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## AUTOMATIC PAINTING LINES FOR TWO PROFILE OR PIPE



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## AUTOMATIC PAINTING LINES FOR THREE PROFILE OR PIPE

### PAY OFF UNIT



### CLEANING UNIT



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## HEATER UNIT



## PAINTING UNIT





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## TRANSFER UNIT



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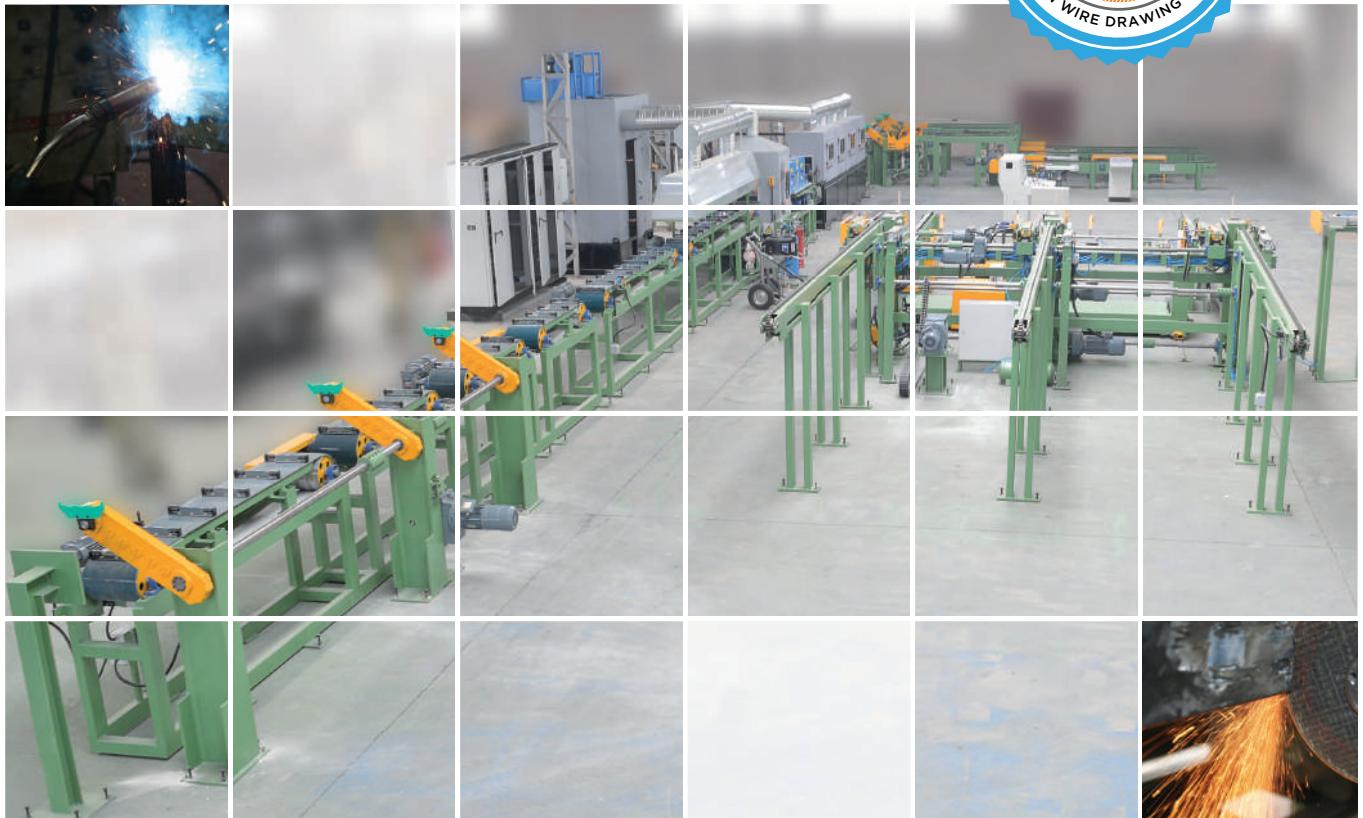


## PACKAGING UNIT



## CONTROL CABINETS





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PAINTING LINES  
MACHINE TECHNOLOGIES  
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