

**YILSA®**

YILDIZ ENDÜSTRİYEL ARAŞTIRMA MERKEZİ

MACHINE CATALOGUE

CODE: LBA-DP

Packaging and Taping

Automatic Taping and Integrated Packaging Unit



Places the wheel weights from the Rotary Punch cutter, untouched by hand, onto high-adhesion double-sided tape; the packaging unit at the machine outlet puts the strips into 6 kg boxes.

90 kg/hour

PRODUCTION RATE

15 Boxes/Hour

PACKAGING

0.2 kWh/hour

ENERGY

5g+5g / 5g+10g

LAYOUT



01 Overview

An automatic taping and packaging unit that sorts the cut and marked wheel weights from the Rotary Punch machine, places them on double-sided tape and boxes them untouched by hand.

- ✓ Full automation of tape feeding, protective film removal and bonding
- ✓ Regular counting and placement with vibratory feeders and PLC control
- ✓ Packaging unit connected to the taping machine's outfeed conveyor, running in sync
- ✓ Standard 5g+5g layout, optional 5g+10g layout
- ✓ Energy consumption of only 0.2 kWh per hour

02 Technical Overview

Automatic Double-Sided Taping & Integrated Boxing

Double-Sided Acrylic Taping Automation

The system places the cut weights on **double-sided tape** with acrylic adhesive and a **blue protective film**. Tape feeding and bonding are done automatically.

The strips are laid out in standard steps that technicians can easily break off and apply when fitting wheels.

Tape: Double-Sided Acrylic, Blue Film | Layout: 5g+5g / 5g+10g

Counting, Strip Forming & Integrated Boxing

The weights are counted with vibratory feeders and PLC control and laid out in strips of **12 x 5 g (60 g)**.

Mounted on the taping machine's outfeed conveyor and running in sync with it, the packaging unit places the strips, untouched by hand, into boxes of **100 strips (6 kg net weight)**.

Packaging: 90 kg / Hour (15 Boxes/Hour) | Per Box: 100 Strips (6 kg)

Modular Capacity Growth

While the Rotary Punch cutting machine cuts about 300 kg of weights per hour, one taping machine tapes 90 kg per hour. To increase capacity, **up to 4 taping machines** can be connected to the same cutting machine, with no need for a new wire flattening or cutting machine.

The taping machine uses only **0.2 kWh** of energy per hour.

1 Cutting Machine : Up to 4 Taping Machines | Energy: 0.2 kWh / Hour

03 Technical Specifications

Packaging Data

Capacity	90 kg / Hour
Number of Boxes	15 Boxes / Hour
Layouts	5g+5g (standard), 5g+10g
Box Contents	100 Strips (6 kg Net)

Energy

Energy Consumption	0.2 kWh / Hour
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Physical Specifications

Dimensions (W x L x H)	1158 x 1058 x 1380 mm
Weight	350 kg

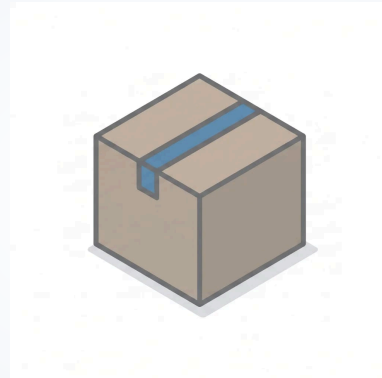
04 Packaging Unit

The packaging unit is not a stand-alone machine; it is mounted on the exit conveyor of the taping machine and runs in full mechanical/electronic sync with it. It counts the taped strips and places them in boxes without manual handling, reducing human error and labour cost at the packaging stage.

If the packaging unit is added later to a taping machine bought earlier, transporting the taping machine to the YILSA plant for assembly and back is the buyer's responsibility.



5 g + 5 g arrangement — finished product example



Box of 100 strips (6 kg net)



Vibratory feeders, taping line and control panel

05 Images



Taping and packaging machine in the workshop — real photo



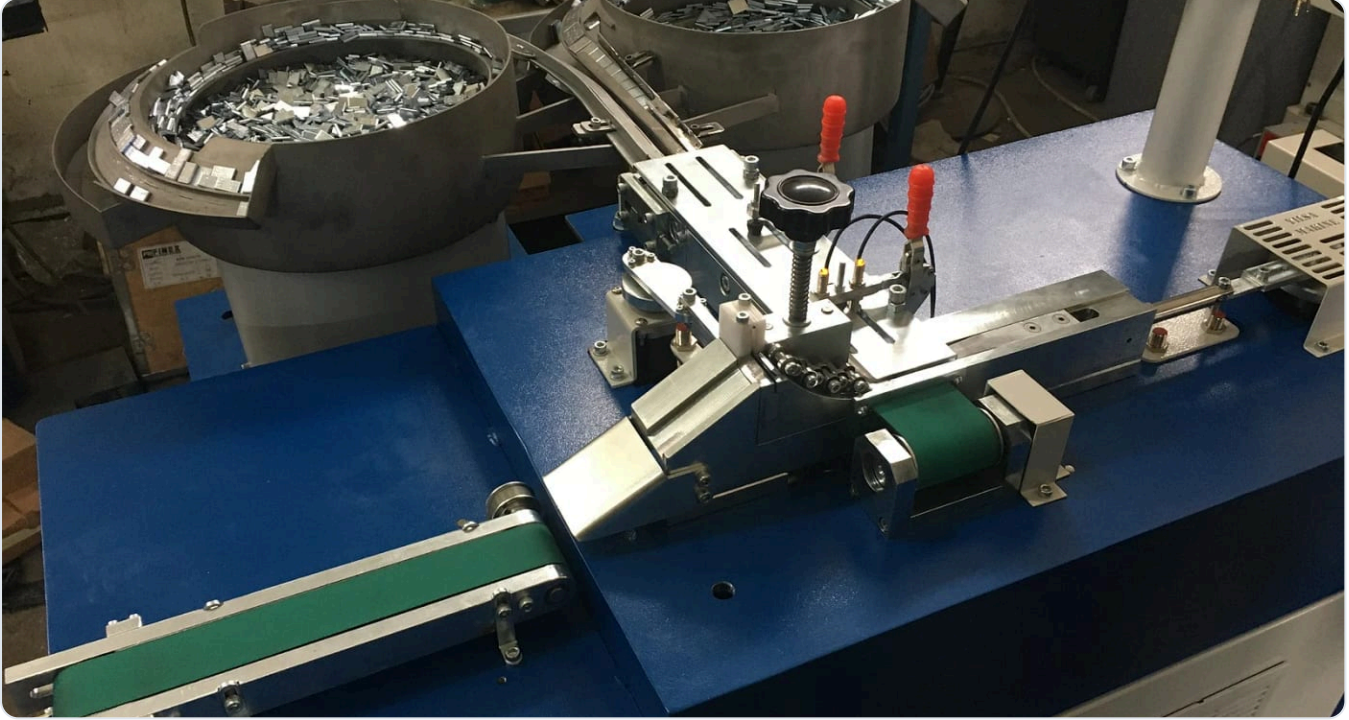
Taping and packaging machine installed at a production plant, with HMI panel



Taping and packaging machine with vibratory feeders and box filling station



Close-up of the pneumatic placing head and packaging table of the taping and packaging machine



Close-up of the conveyor where wheel weights from the vibratory feeders are placed on the tape

06 In the Production Line

Wheel Weight Production Line

www.yilsa.com.tr/en/wheel-weight-production-line



01

Wire Rod Flattening



02

Rotary Punch Chopping and Marking



03

Packaging and Taping

The Wheel Weight Production Line is a fully automatic production setup that turns raw wire rod into boxed, ready-to-sell wheel weights untouched by hand. The process starts with flattening the wire rod into flat strip, continues with cutting and marking using patented Rotary Punch technology, and ends with automatic taping and packaging.



07 Service and Support

Acceptance test

Before delivery, the machine is tested at the YILSA plant under the buyer's supervision with test material supplied by the buyer; it is delivered once it produces the specified product.

Installation and training

Training takes 1 day at our plant in Denizli, with hands-on installation, operation and maintenance. Thanks to its compact, single-body (monolithic) design, the machine is easily installed and commissioned at the buyer's own plant.

Warranty

Mechanical parts carry a 1-year warranty, excluding misuse. Dies and blades are wear parts and are not covered by the warranty.

Spare dies and drawings

Heat-treatment and material certificates are supplied for the dies. Spare dies are made for a fee; die drawings are shared on request.

Technical support

Technical support is provided, with on-site service when needed. Travel and accommodation costs for on-site service are paid by the buyer.

Compliance and delivery

CE marked; designed in line with Machinery Directive 2006/42/EC, EN ISO 12100:2010 and EN 60204-1:2018; 100% made in Türkiye. Delivery time is 2.5–4 months from order confirmation, depending on the line configuration.

Raw material must meet the specifications given by YILSA. The values in this catalogue are for standard configurations; machines can be adapted to your product drawing and raw material.



Machine and line solutions built for your production

Since 1992 in Denizli, Türkiye, we have been designing and building Rotary Punch technology, cable tray systems, wheel weight lines and wire processing machines. Share your product drawing and raw material, and we will prepare a configuration and quotation for you.

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CE MARKED

100% MADE IN TÜRKİYE

PATENTED ROTARY PUNCH

PLC/HMI CONTROL

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