

**YILSA®**

YILDIZ ENDÜSTRİYEL ARAŞTIRMA MERKEZİ

MACHINE CATALOGUE

CODE: KK201801

Cardboard Edge Protector Machine

Cardboard Edge Protector V-Notching Machine with Rotary Punch



Cuts V-notches with Rotary Punch drums, without stopping the material, into the cardboard edge protectors that protect the edges of coils and reels from impact and crushing.

1 – 24 m/min

PRODUCTION RATE

2 – 4 mmEDGE PROTECTOR
THICKNESS**90 mm**

MAX. LEG LENGTH

2.2 kW AC

MOTOR POWER



01 Overview

Cardboard edge protectors protect the round edges of rolls, coils and reels from impact, crushing and unravelling during transport. For the protector to wrap around the roll, V-notches must be cut into its edge at regular intervals.

- ✓ The edge protector is notched without stopping; rotating drums instead of a stop-and-go press
- ✓ Production speed adjustable from 1 to 24 m/min via the speed control unit
- ✓ Compact 80 × 70 × 140 cm frame
- ✓ Cardboard edge protectors 2–4 mm thick with legs up to 90 mm
- ✓ Cutting dies made of 1.2379 (D2) tool steel at 58–60 HRC; resharpened as they wear for a long service life

02 Technical Overview

Continuous V-Notching of Cardboard Edge Protectors

Edge Protector That Never Stops

The machine works with YILSA's patented **Rotary Punch** technique: two drums carrying male and female dies rotate at the same speed as the edge protector and cut the notch while the material flows. Because the protector is never stopped, speed reaches **24 m/min**.

While notching, the drums also drive the edge protector forward, so no separate feeder is needed. Speed is set on the speed control unit.

Production Speed: 1 – 24 m/min | Edge Protector: 2 – 4 mm

Long-Lasting Cutting Dies

The cutting dies are made of **1.2379 (D2) tool steel** at 58–60 HRC. With no press impact, the dies wear little and can be resharpened and reused when needed.

Dies: 1.2379 (D2), 58–60 HRC

Compact and Quiet

Driven by a **2.2 kW AC motor**, the machine measures 80 × 70 × 140 cm and weighs about 700 kg. With no impact, it runs quietly and without vibration.

Drive: 2.2 kW AC | Size: 80 × 70 × 140 cm



03 Technical Specifications

Production Capacity

Production Rate	1 – 24 m/min
Edge Protector Thickness	2 – 4 mm
Max. Edge Protector Leg Length	90 mm
Operation	V-notching (Rotary Punch)

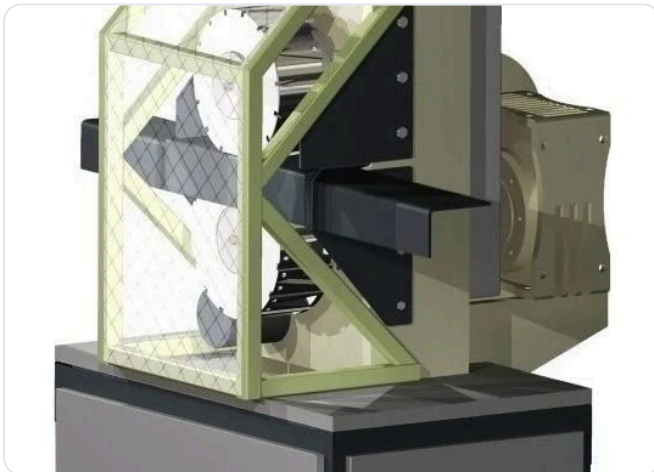
Power & Control

Drive	2.2 kW AC motor
Speed Adjustment	Speed control unit

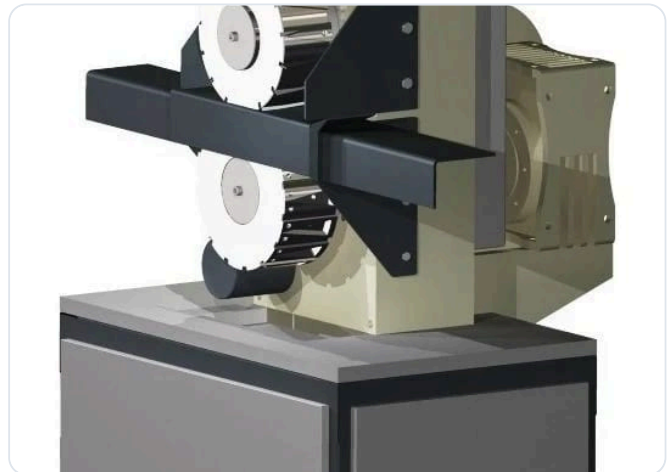
Dies & Frame

Cutting Die Material	1.2379 (D2) tool steel, 58–60 HRC
Machine Dimensions	80 × 70 × 140 cm
Weight	~700 kg

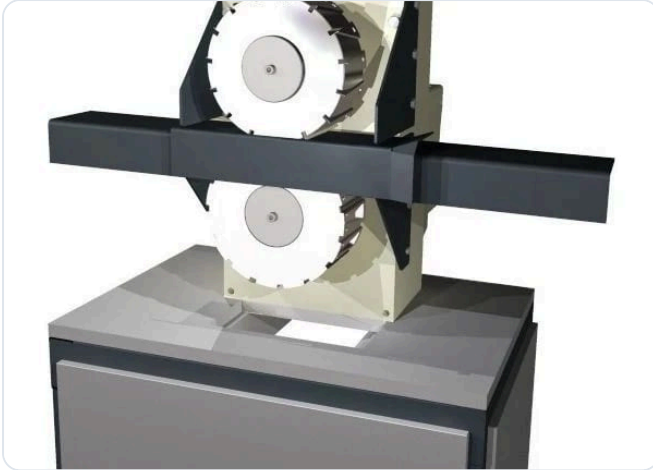
04 Images



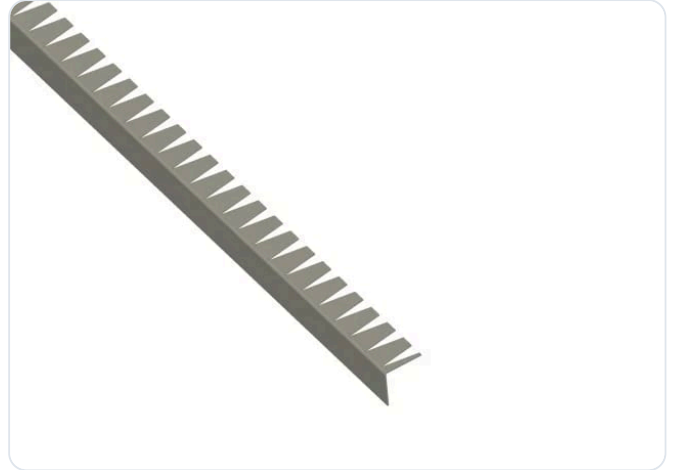
Cardboard Edge Protector Machine (KK201801) — Rotary Punch V-notching unit with safety cover



Cardboard edge protector machine — twin Rotary Punch drums through which the edge protector passes



Front view of the cardboard edge protector machine — male and female die drums



Cardboard edge protector with V-notches — 3D drawing



V-notched cardboard edge protectors



05 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 stated in the quotation, depending on the 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

Yıldız Endüstriyel Araştırma Merkezi San. ve Tic. Ltd. Şti. · Catalogue no. YILSA-KAT-KK201801 · October 2026. Values are for standard configurations; machines can be adapted to your product and raw material.