

**YILSA®**

YILDIZ ENDÜSTRİYEL ARAŞTIRMA MERKEZİ

MACHINE CATALOGUE

CODE: KPDS

Rubber Profile Support Plate Machine

Metal Clip / Support Plate Production Machine with Rotary Punch



Produces the metal support plates placed inside rubber edge profiles by cutting thin sheet strip with Rotary Punch drums, without stopping it.

1 – 24 m/min

PRODUCTION RATE

0.3 – 0.5 mm

SHEET THICKNESS

35 mm

MAX. STRIP WIDTH

1.5 kW AC

MOTOR POWER



01 Overview

A metal support plate (clip) is placed inside rubber profiles such as edge trims to give the profile flexibility and grip. These profiles are used in a wide range of applications, from automotive to white goods and construction.

- ✓ Thin sheet strip is cut without stopping; high speed and low energy use with no press impact
- ✓ Sheet strips 0.3–0.5 mm thick and up to 35 mm wide
- ✓ Production speed adjustable from 1 to 24 m/min via the speed control unit
- ✓ Suitable for in-line operation with an uncoiler and roll former
- ✓ Compact frame measuring 80 × 60 × 100 cm and weighing about 200 kg

02 Technical Overview

Metal Support Plates for Rubber Profiles

Continuous Cutting of Thin Sheet

The machine works with YILSA's patented **Rotary Punch** technique: the die drums rotate at the same speed as the **0.3–0.5 mm** sheet strip and cut the support plate pattern as the strip flows. Because the strip is not stopped, speed reaches **24 m/min**.

With no press impact, energy consumption is low and the machine runs quietly.

Production Speed: 1 – 24 m/min | Sheet: 0.3 – 0.5 mm

In-Line Operation

The machine processes strip from the uncoiler; it can then be connected to a **roll forming** unit for the profile shape.

It is driven by a **1.5 kW three-phase AC motor**; speed is set on the speed control unit.

Drive: 1.5 kW AC | Strip: max. 35 mm

Compact Frame, Long Die Life

The cutting dies are made of **1.2379 (D2) tool steel** at 58–60 HRC. The machine measures 80 × 60 × 100 cm and weighs about 200 kg.

Dies: 1.2379 (D2), 58–60 HRC | Size: 80 × 60 × 100 cm



03 Technical Specifications

Production Capacity

Production Rate	1 – 24 m/min
Sheet Thickness	0.3 – 0.5 mm
Max. Strip Width	35 mm
Product	Rubber profile support plate / metal clip

Power & Control

Drive	1.5 kW three-phase AC motor
Speed Adjustment	Speed control unit

Dies & Frame

Cutting Die Material	1.2379 (D2) tool steel, 58–60 HRC
Machine Dimensions	80 × 60 × 100 cm
Weight	~200 kg

04 Images



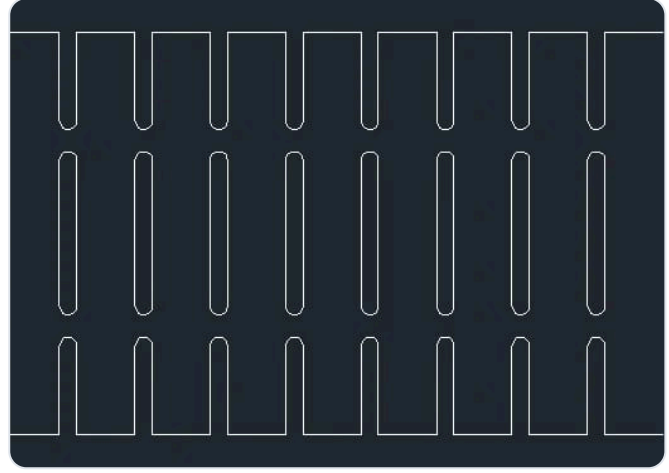
Rubber Profile Support Plate Machine (KPDS) — Rotary Punch unit with AC motor



Rubber profile support plate machine — frame with safety cover



Rubber edge profile and the metal support plate (clip) inside it



Metal support plate cutting pattern — technical drawing

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-KPDS · October 2026. Values are for standard configurations; machines can be adapted to your product and raw material.