

RPM

Robotic Punching Machine

P/N: 01-03-0002



StoneShield
ENGINEERING



The RPM is a robotic system designed to break plastic pins from connectors (**punching system**) **in a fast and automatic way.**

It ensures high quality and precise results with **burr free cut** and **undamaged connector's vias.**

It has dedicated tools for each vias' pattern, but the operator just needs to put the connector in the selected nest, since the punching pattern is selected using a barcode reader or a network file (KSK server) and the **automatic tool replacement** system selects the necessary tool.

It allows the **processing of different connectors.**

Combined with this flexibility, it also has a high productivity, with an average **cycle of 0.7 second per pin.**



Flexibility:

Automatic tool replacement
Any given pattern of pins to be punch out
Assymetric patterns with any given angle
Change of connector's nests



Ensured Quality and High Precision:

Burr free cut and
undamaged connector's vias
Dedicated punching tool for
each pin pattern



Productivity:

0.7 second per pin



Connectivity:

Integrated with KSK systems via network
Automatic generation of production reports



Cost Effective:

High quality punching system at competitive cost
for sustained profitability



STONESHIELD - ENGINEERING, LDA

HEADQUARTERS:

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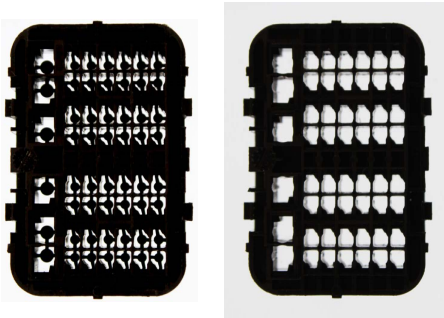
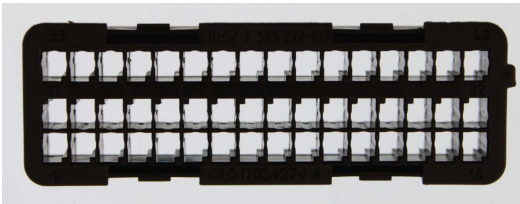
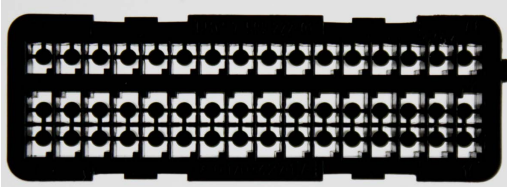
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Applications:

Break plastic pins from connectors



Technical Features:

- ▶ High quality and precise process: burr free and undamaged connector's vias;
- ▶ Automatic tool replacement system (up to 5 tools);
- ▶ Process of different connectors with different pin patterns (any given angle);
- ▶ Each pin pattern with dedicated punching tool;
- ▶ Easy reference selection using barcode reader;
- ▶ References defined locally or remotely via KSK server;
- ▶ Process of different connectors (each nest with capacity for 2 connectors);
- ▶ Configuration mode password protected;
- ▶ Partial and global connector's counters;
- ▶ Working time counter;
- ▶ Automatic production and statistics reports;
- ▶ Several system's languages, including English, Portuguese, French, or others;
- ▶ Easy upgradable software, that can be done through a USB stick.

Industry 4.0 Features:

- ▶ Network connectivity and remote support and configuration;
- ▶ Saving of KPIs to USB and/or remote location;
- ▶ Automatic and immediate error reporting;
- ▶ Communication with third party machines and servers.

Technical Data:

Dimensions:

Length:	1300 mm
Width:	850 mm
Height:	2290 mm
Weight:	300 kg

Connections:

Electrical:	230 VAC @ 50 Hz - 1 IEC standard male socket
Consumption:	1.5 kW (peak)
Air pressure:	4.5 to 6 Bar - quick-coupler socket - Ø 8 mm
Interface:	Touchscreen, barcode, 2x USB, Ethernet and tower light.

Options:

Punching Tools

P/N: 08-05-0001

Connector's Nest

P/N: 08-05-0002



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