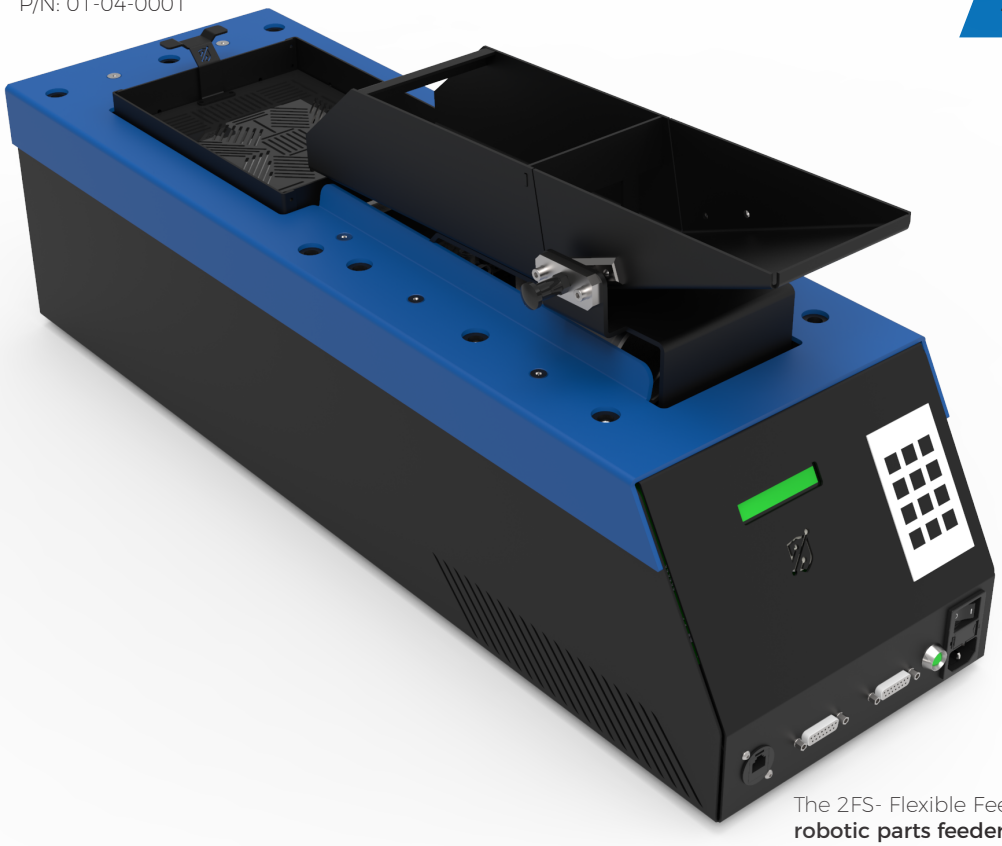
2FS

Flexible Feeding System

P/N: 01-04-0001

StoneShield ENGINEERING



The 2FS- Flexible Feeding System, is **a low-cost vibration robotic parts feeder.**

It can work in standalone mode or integrated with automation systems.

Compatible with all parts geometry: it can use a blank tray or **specific orientation masks to separate and orientate parts in a specific position**.

The orientation mask and feeding tray replacement is done without tools allowing a quick purge and replacement of components.

Due to its **adjustable backlight and integration with vision systems**, it allows a precise and reliable parts' detection.

Easy Parameter Configuration:
Creation of distinct programs, with adjustable: vibration time; vibration speed; backlight color and intensity

High Connectivity:
Stand-alone mode
Communication mode: RS232, RS485 (Modbus), I/O signals

Precise and Reliable:
Integration with vision systems and custom designed orientation masks

Quick Setup
Quick and tool free replacement of orientation masks and feeding tray

Cost Effective:
High quality, high flexible feeding system with a competitive cost

STONESHIELD - ENGINEERING, LDA

HEADQUARTERS:
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2FS

Flexible Feeding System

Applications:

Robotic Parts Feeder;

Parts sorting, orientation and identification.

Technical Features:

- 2 working modes:
  - Standalone: configurable locally using LCD and keyboard;
  - Integrated: configurable externally, by automation systems.
- External communication: RS232, RS485 (Modbus) , I/O signals;
- Simple and intuitive program configuration (just 4 parameters);
- Program parameters:
  - Vibration time;
  - Vibration speed (from 1 to 10);
  - Backlight color (RGB);
  - Backlight intensity.
- Program settings saved in database (up to 100 programs);
- Quick and tool free orientation mask and feeding tray replacement;
- Orientation mask custom designed according to part;
- Easy integration with automation systems and vision systems for intelligent part sorting, orientation, identification and picking.

Technical Data:

Vibration platform (orientation mask):	
Length:	200 mm
Width:	150 mm

Dimensions:

Length:	730 mm
Width:	230 mm
Height:	300 mm
Weight:	30 kg

Connections:

Electrical:	230 VAC @ 50 Hz - 1 IEC standard male socket
Interfaces:	Touchscreen, LCD, buzzer, 2x DB9 (RS232 and I/O), 1x RJ45 (RS485)

Options:

Custom Orientation Mask

P/N: 08-04-0001

Integrated LED Backlight RGB)

P/N: 08-04-0002

StoneShield - engineering, lda

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