



## A Forward-thinking Approach to a Modern Packaging Problem

The M1<sup>®</sup> from Packsize expands industry expectations for smart On Demand Packaging<sup>®</sup> production systems. Built upon the Packsize Global Modular Architecture platform and utilizing Packsize production and optimization software, the M1<sup>®</sup> improves overall packaging operations through speed, reliability, and advanced functionality in the form of modules. One of the first available is an onboard single-color printer.

The modular design of the M1<sup>®</sup> meets global trends for smart manufacturing through intelligent design that delivers exceptional reliability, performance, and efficiency for all types of manufacturing businesses. Reductions in production downtime, energy consumption, and built-in waste separation achieve new sustainability targets and potential labor savings. Complementing the easy-to-use software control interface, Packsize designed intelligent capabilities such as throughput control, label synchronization, and box database coordination. Packsize understands and can help customers design the best packaging flow for their needs.



### M1<sup>®</sup> Key Features Include:

- A first-of-its-kind print functionality for z-Fold<sup>®</sup>, appropriate for QR codes, box markings, handling instructions, barcodes, numbers, small logos, and more;
- A multi-bay z-Fold<sup>®</sup> infeed system makes it possible to produce boxes for up to eight corrugated bales. Different corrugated grades, sizes or multiple same-sized bales (depending on single-piece flow or batch production methods) can be simultaneously connected to the M1<sup>®</sup>, which enhances productivity, maximizes corrugated use, and reduces trim waste;
- A multi-axis tool configuration utilizes both cutting and creasing to support complex box designs, increased closeness of cuts and creases to improve cycle times;
- Packsize Global Modular Architecture increases reliability and speed while also improving parts availability and flexibility for future module development;
- Packsize software provides an easy-to-use experience in production settings and powerful analyses to improve production.

### M1<sup>®</sup> Production – Fast, Flexible & Reliable

The M1<sup>®</sup> On Demand Packaging<sup>®</sup> system produces a broad range of FEFCO 200, 300, and 400 box styles. The M1<sup>®</sup> utilizes a multi-bay z-Fold<sup>®</sup> infeed system to produce custom boxes from a variety of corrugated widths, ranging from 12 in (300 mm) to 8 ft (96 in or 2440 mm). The customer can utilize from two to four rows of z-Fold<sup>®</sup>; each accommodates either a single or two corrugated bale widths.

- Packsize Global Modular Architecture provides for greater production reliability, speed, and easier maintenance
- Flexible and fast overall production of complex box designs; one-piece flow or batch production
- Process integration with built-in printer option to replace labels or pre-printed boxes
- Reduced waste and time savings with corrugated z-Fold<sup>®</sup> Infeed System
- Best user experience delivered through Packsize packaging optimization software

## Specifications

<b>Length (with bales):</b>	Rows 1 & 2	20 ft 8 in (6300 mm)
	+ Row 3	25 ft 7 in (7800 mm)
	+ Row 4	30 ft 6 in (9300 mm)
<b>Width:</b>		11 ft 10 in (3600 mm)
<b>Height:</b>		10 ft 10 in (3300 mm)
<b>Weight:</b>		5,500 lb (2500 kg) [+bale rack 440 lb (200 kg)]
<b>Electrical:</b>		L16-20R + 3-Pole / 4-Wire 3 x 400 VAC - 480 VAC ± 10%, 16A 1 x 110-240 VAC
<b>Data:</b>		Ethernet RJ45 Cat 6 shielded cable 10/100/1000 Mbps wired network required
<b>Air:</b>		Dry air pressure 90-145 psi (6-10 bar) and 1/2 in (12.7 mm) flexible air hose required
<b>Temp:</b>		41° F to 104° F (5° C to 40° C)
<b>Control System:</b>		PackNet <sup>®</sup> . For greater than two networked Packsize machines, a separate server is recommended. Please contact your local Sales representative for further information.
<b>Cycle Time:</b>		Dependent upon box design complexity, the size of the packaging, as well as the configuration and number of tool heads and print requirements.
<b>Capacity:</b>		10 packages per minute in single-piece production flow to hundreds when distributing workloads across multiple Packsize machines simultaneously from one PackNet computer control interface.

## Right-sized Packaging on Demand<sup>®</sup>

Packsize has the right experts to analyze your current process and specify the right machines and process flow. On Demand Packaging<sup>®</sup> combines the precise technology, equipment, accessories, and services required to package and ship your goods via a dimensionally optimized and cost-effective solution that was designed for your process.

- Optimize right-sized, right-time box production with Packsize Software, including PackNet<sup>®</sup>, for single- or multi-machine virtual environments, and PackNet.Report<sup>®</sup> and PackNet.Cube<sup>®</sup>.
- Use z-Fold<sup>®</sup> for sustainable packaging that delivers corrugated savings, as well as other Consumables such as glue, water-activated tape, labels, and protective packaging.
- Outfit your packaging environment with Accessories such as gluers, scanners, sealers, and conveyors.
- Work with Professional Services for end-to-end project management to implement lean process improvements and other value-added services that help reduce costs and monetize efficiencies.