



# OPTIC M1

## Poly Bundler

**Highly effective,  
meet highly  
cost-effective.**

Infusion 3.1 Ready

High efficiency at a low  
cost

Various product  
diverters, collaters and  
up-enders are available

Large Poly Reel  
Diameter

Can be placed close to  
the wrapper or log saw

Capable of producing  
large bundles

The Infinity Optic M1 poly bundler is designed to bundle tissue roll packs, industrial rolls, folded products, boxed products, diapers and more. This is our workhorse of bundlers. The Optic M1 is a unique bundler because it is capable of having two different styles of infeed, the Z-U infeed and the inline infeed. (The inline infeed uses a continuous motion servo diverter to synchronize the product to the flight bar for collation and the Z-U side infeed uses a system of motorized rotating fingers and a robust upender to collate the product into the correct configuration. The Infinity Optic M1 bundler is a robust machine capable of creating large bundles and poly reels.

# OPTIC M1 TECHNICAL DATA

Product Types: tissue rolls, tissue packs, individual BRT and HHT, wrapped or naked products, industrial rolls, folded product, boxed product and diapers.

## Infeed Product Dimensions

Width: Min – 89mm (3.50"), Max – 380mm (15.00")  
Length: Min – 89mm (3.50"), Max – 610mm (24.00")  
Height: Min – 180mm (7.09"), Max – 460mm (18.11")

## Bundle Dimensions

Width: Min – 270mm (10.60"), Max – 1000mm (35.43")  
Length: Min – 190mm (7.50"), Max – Unlimited  
Height: Min – 180mm (7.09"), Max – 460mm (18.11")  
Lap seal: 100mm (3.90"); End seal film length 35mm (1.37")

## Poly Reel Characteristic

Width: Max – 2500mm (98.40")  
Diameter: Max – 700mm (27.60")  
Optional external unwind: 1200mm (47.25")

Core diameter: 70 - 76mm (2.75" - 3.00")  
Material: 30 - 17 micron (1.18 - 2.75 mil)  
Heat sealable polyethylene, density: 0.870 - 0.930 grs/cc

## Machine Speed

Max speed: 18 bundles/min  
*(Dependent upon bundle config.)*

## Power / Air Requirements

	International Measurement	US Measurement
Air Consumption	900 NL/min	31.8 SCFM
Air Pressure	5 bar	72 PSI
Main Power*	400 volt, 3 phase, 50 hertz	480 volt, 3 phase, 60 hertz
Installed Power*	70 kVA	125 Amps
Control power	24 VDC	24 VDC

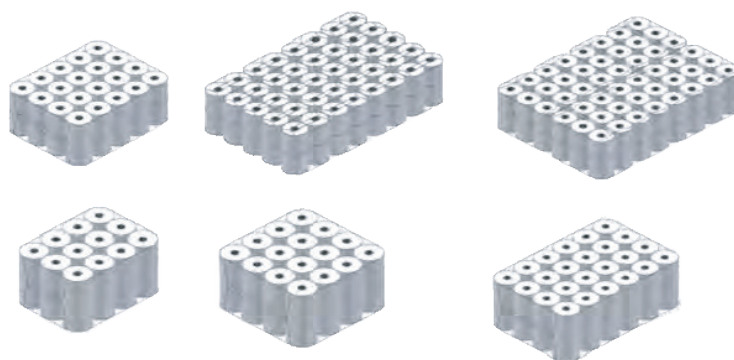
*\*Max power requirements are subject to change based on country*

## Change-over Time

Pack to Poly: 20 minutes (average)  
Poly Reel: 5 minutes (average)



## Sample Configurations



Corporate Headquarters:  
2249 American Blvd  
De Pere, WI 54115, USA  
Tel: 920-965-0222

European Office :  
Via Buozzi 55  
40057 Cadriano di Granarolo, Bologna, Italy  
Tel: +39-051-0560980

Infinity Machine & Engineering Corp.  
info@infinitymec.com  
www.infinitymec.com