



# IMPACT 1L

## Impact One-Layer Poly Wrapper

Single layer.  
Multiple products.

Small machine footprint

Very accessible for  
operation &  
maintenance

Quick and easy  
change-overs using  
adjustment motors

User friendly HMI with  
aided operation &  
change-overs

High-quality packs

The Impact 1L is a one layer wrapper that has packaging capabilities of household and bathroom tissue, napkins and even facial tissue. This gives customers the opportunity for increased and varied production. With Infinity's famously fast change-overs and HMI system control, line conversion takes all but a few minutes. It can also accept 2 or 4 lanes of infeed from a conveyor and then separate the product via a servo choke belt infeed into the flight bar stacking section. The Impact 1L also features 24 overhead trolleys which reduce change-over time. With rugged design and performance, the Impact 1L offers high-quality packs at high speeds.

# IMPACT 1L TECHNICAL DATA



## Roll Dimensions

BRT Diameter: Min - 90mm (3.54"), Max - 140mm (5.5")  
 \*\*Single BRT diameter minimum is 100mm  
 BRT Cut length: Min - 90mm (3.54"), Max - 115mm (4.52")  
 HHT Diameter: Min - 100mm (3.93"), Max - 165mm (6.50")  
 HHT Cut length: Min - 190mm (7.48"), Max - 280mm (11.00")

## Package Dimensions

Width (2 Lanes): Min - 90 mm (3.54"), Max - 330mm (13")  
 Width (4 Lanes): Min - 90mm (3.54"), Max - 600mm (23.6") \*Optional  
 Length: Min - 90mm (3.54"), Max - 345mm (13.60")  
 Height: Min - 90mm (3.54"), Max - 140mm (5.51") 165 mm\* HHT

## Poly Reel Characteristic

Width: Max - 1400mm (55.12")  
 Diameter: Max - 600mm (23.62")  
 Optional external unwind: 1200mm (47.25")  
 Maximum sheet cut-off: 630mm (24.80")  
 Minimum core diameter: 95mm (3.74")  
 Material: 18 - 40 micron (0.7 - 1.5 mil)  
 Heat sealable polyethylene, density: 0.870 - 0.930 grs/cc  
 Material (Optional): Paper, MG or MF paper with basis weight of 14-17 lbs  
 Sufficient moisture content (5-6%) is recommended to avoid any tearing of wrap

## Machine Speed

Max speed: 200 packs/min  
 (Dependent upon packaging config.)

*\*Max speeds are guaranteed production speeds.  
 \*\*Main power requirements are subject to change based on country.  
 \*\*\*Soft rolls or low density rolls may not be able to achieve max speed*

## Power / Air Requirements

	International Measurement	US Measurement
Air Consumption	284 NL/min	10 CFM
Air Pressure	5.52 bar	80 PSI
Main Power**	380 volt, 3 phase, 50 hertz	480 volt, 3 phase, 60 hertz
Installed Power**	82 kVA	100 Amps
Control power	24 VDC	24 VDC

## Change-over Time

Pack to Poly: 30 minutes (average)  
 Poly Reel: 5 minutes (average)



## Complete & Optional Pack Configurations



Complete



Optional

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