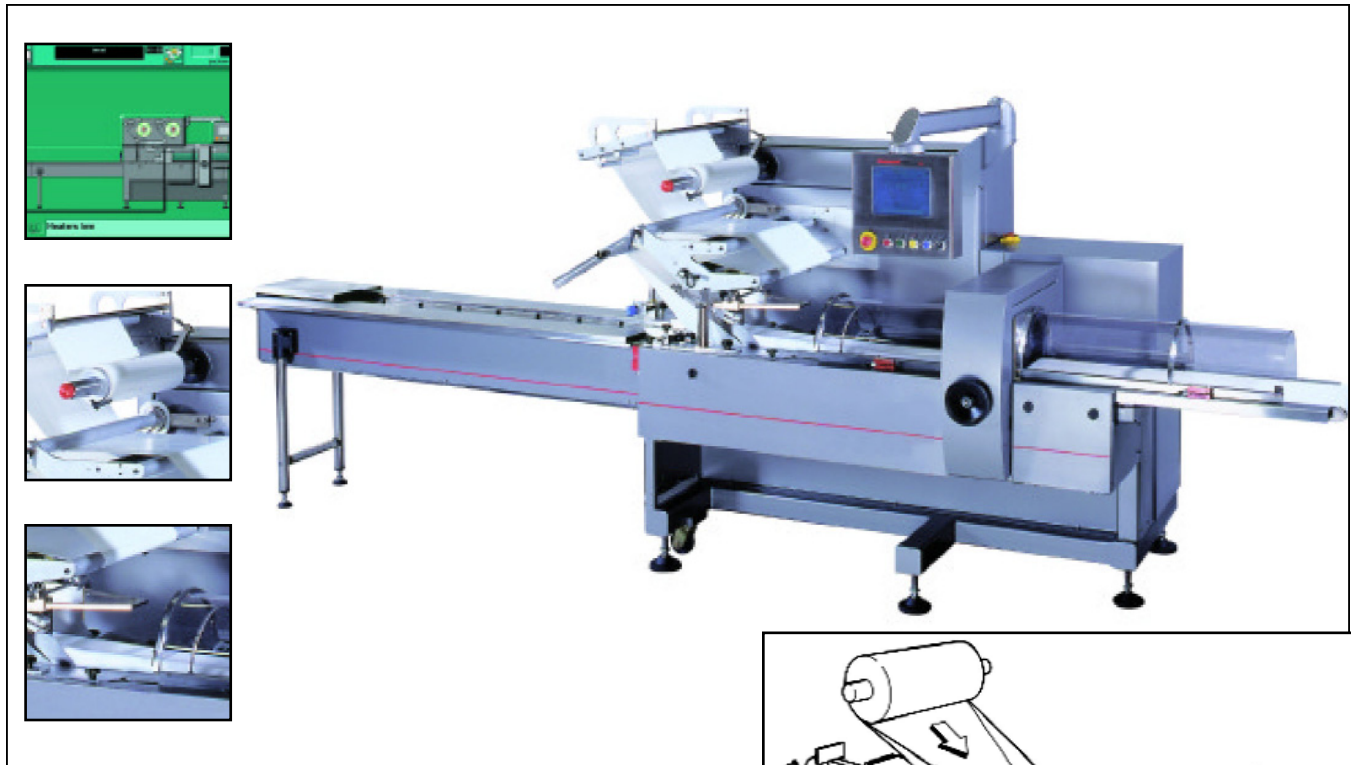


## ROSE FORGROVE Flow Wrapper Minerva PLC



### Features:

#### ■ Flexible and Dependable

- Narrow and wide models available to meet varying requirements:
  - narrow - 450 wraps/minute on products 150mm (5.90in) wide.
  - wide - 200 wraps/minute on products 300mm (11.81in) wide.
- PLC control system with graphics style touch screen operator interface for fast operation, including storage and retrieval for 100 product recipes.
- Multi-axis servo drives.

#### ■ Hygienic

- All product contact parts manufactured from stainless steel or food grade plastic.
- Wipedown finish.

#### ■ Reduced Waste

- Instantaneous on-the-fly, dial-in wrapper length adjustment.
- Jaw obstruct automatic recovery with minimal product and film waste.
- 'No product-no bag' feature minimises film waste (dependent upon material).
- 'Misplaced product detection' eliminates product damage and avoids jams (dependent upon material) - *not available with carry over unit.*
- Diagnostic, status and management information providing essential production data feedback.

# Barry-Wehmiller

# ROSE FORGROVE Flow Wrapper Minerva PLC

## Technical Data

All information given below is dependent upon final machine specification, feed arrangement, product type, options selected and film specification.

### Electric Supply and Consumption

400V, 3-phase 50 cycles plus neutral and earth.

Up to 40 amps/phase.

### Operating Pressure

5.6 bar (80lbs/sqin) (minimum).

### Air Consumption

Minimal and dependent upon options selected

### Environmental Conditions

Ambient temperature range: 0 to 40 degrees Celsius (104 degrees Fahrenheit).

Humidity: 0 to 80% non-condensing.

Standard sealing: IP54.

### Weight

2,200kg (4,840lb).

### Output

Narrow model: up to 450 wraps/minute.

Wide model: up to 200 wraps/minute.

### Reel Mandrel

Core: 76mm (3in).

Outside Diameter: maximum 330mm (13in).

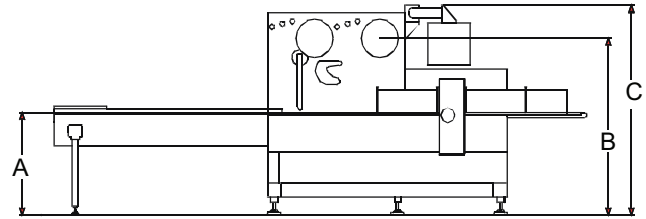
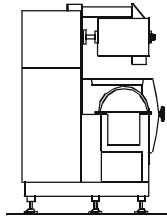
Weight/Mandrel: 25kg (55lb)..

### Wrapping materials

Suitable coated cellulose films; heat-sealable lacquered materials; coated polypropylene; co-extrusion and plastics laminated to paper; film or foil.

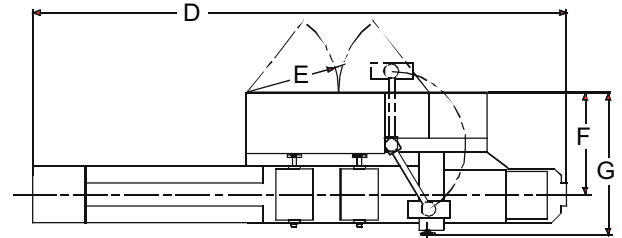
### Standard Features

- 2m (78.75in) infeed with multi-pitch chain.
- Low level single reel mounting.
- Driven wrapper pre-feed.
- Pack tight/loose control.
- Automatic opening of heated long seam rollers.
- Three pairs of pressure-adjustable long seam rollers with one pair heated.
- Pack tight/loose control.
- Driven wrapper pre-feed.
- Remote diagnostics via modem.
- Operator changeable fixed folding box.
- Individual temperature control of top and bottom crimp jaws.
- Crimp height adjustment.



Dim	
A	900 (35.43)
B	1550 (59.05)
C	1841 (72.48)
D	4661 (183.50)
E	800 (31.49)
F	894 (35.19)
G	1253 (49.33)

Dimensions in mm with equivalent inches in brackets



- 400mm (15.74in) wide crimp jaws.
- 750mm (29.52in) wide reel.
- Pressure adjustment for long seam rollers.
- Angled knife.
- Quick change lugs/paddles.
- Fully interlocked guarding.
- Crimp release handwheel.
- Stall detection for crimp, infeed and wrapper drives.
- Designed and manufactured to comply with European machinery directives and British Standard BS 5304:1988.

### Optional Features

- Left or right hand machine configuration.
- Infeed extensions.
- Language support for operator interface.
- Slatted chain infeed.
- 450mm (17.71in) wide reel.
- Additional reel mounting.
- Film auto-splice with twin reel mounting.
- Coding unit.

- Photo-electric cell wrapper registration.
- Reel runout detection.
- Operator-adjustable folding box.
- Additional pair of heated long seal rollers.
- Heated cleft.
- Twin crimp jaws.
- Hole punch/Euroslot crimp jaws.
- Air gussetting.
- Product carry over - standard machine only.
- Discharge extension.
- Product top control.
- Stainless steel construction/hosedown protection
- Interlocking with other plant items.
- Water-cooled long seam deadplates (mains or chilled water system).
- Automatic feed systems.
- Pack perforator.
- Discharge pack reject station.
- Self-centring reels.

Parameter	Standard Machine				Narrow Machine	
	Product Size Range mm (in)				Product Size Range mm (in)	
Crimp centres	130 (5.11)	150 (5.90)	180 (7.08)	180H (7.08)	100 (3.93)	130 (5.11)
Max. product height*	75 (3.00)	95 (3.74)	120 (4.72)	170 (6.69) +	50 (1.96)	75 (2.95)
Max. product length	373 (14.68)	433 (17.04)	528 (20.78)	528 (20.78)	270 (10.62)	375 (14.76)
Product width	20 - 300 (0.78 - 11.81)	20 - 300 (0.78 - 11.81)	20 - 300 (0.78 - 11.81)	20 - 300 (0.78 - 11.81) +	20 - 150 (0.78 - 5.90)	20 - 150 (0.78 - 5.90)
Wrapper cut-off	102 - 410 (4.01 - 16.14)	123 - 470 (4.84 - 18.50)	140 - 565 (5.51 - 22.24)	140 - 565 (5.51 - 22.24)	315 (12.40)	410 (16.14)
	maximum wrapper width 750 (29.52)				maximum wrapper width 450 (17.71)	
* If carry over unit is fitted the height acceptance is reduced by 10mm (0.39). + Maximum width for products 120 - 170mm (4.72 - 6.69) and maximum height is 200mm (7.87). Maximum product sizes cannot be offered in combination.						

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