

AUTOMATIC ROLLS WRAPPING MACHINE

TMC MODEL TS 300





Gaining Competitive Advantage With TMC

Innovation for Single Roll Packaging



The Innovation

- Twist & Tuck Poly and Paper Wrap Concept





The Twist and Seal Process

- Innovative folding section which produces a rolling motion of product through the folders
 - Rolling action creates twist style seal
 - Rolling action slows the forward movement of the product compared to conventional sealing systems
 - Lower temperature and velocity required
 - Extended sealing belt life

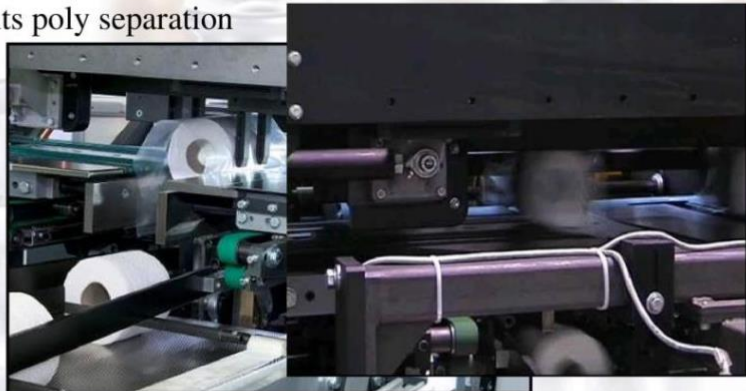


PATENT PENDING



The Twist and Seal Process

- After one flight movement, the roll is bottom sealed
 - Prevents poly separation



PATENT PENDING

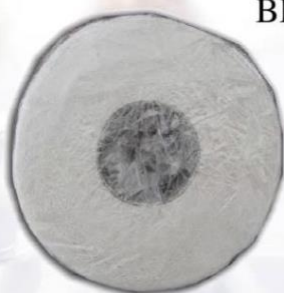


The Innovation

- Twist & Seal Poly Wrap Concept

BENEFIT

- Higher Production SPEED
- Packs “UNIFORM” round shape
- “TOP “QUALITY Side folding and sealing
- Packs “FULLY” CLOSED
- Packaging material “SAVING”



PATENT PENDING



The Innovation

- Twist & Seal Poly Wrap Concept

*Better
Wrapping
Quality*



PATENT PENDING



The Innovation

- **TS 300 Packages Configuration**

- BRT: Single roll, Pillar Pack
- HHT: Single roll



The Innovation

- **TS 300 MAIN TECHNICAL FEATURES**

- Products Range (Roll)
 - Rolls Diameter 90-150 mm
 - Rolls Cut off 90-280 mm
- Pack Range
 - Pack Width 90 - 150 mm
 - Pack Height 90 - 150 mm
 - Pack Length 90 - 300 mm





The Innovation

- **TS 300 MAIN TECHNICAL FEATURES**

- High speed: 200+ p.p.m.
Fully automatic control
- Packaging Styles
T&S (Twist & Seal)
T&T (Twist & Tuck)
- Designed for single layer,
single lane, BRT and HHT
packages style.
- PPE, PE and Kraft Paper
wrapping material
- Quick Change Over
- Layout Space Saving



The Innovation

- **MULTIPLE PACKAGES STYLE**

Innovative TMC
development advancing a
proven reciprocating
wrapping technology

TS 300
Single Roll Wrapper





TS 300 SINGLE ROLL WRAPPER



The Innovation

- Twist & Tuck Poly and Paper Wrap Concept

BENEFIT

- NEW Twist & Tuck Concept which allow higher Production Speed
- “TOP “QUALITY Side folding with packs uniform ROUND shape
- Poly and Paper Wrapping Material





The Value Triangle

Innovation and Quality

Service

Price



The Innovation and More

- **FTS 300 Packages Configuration**
 - BRT: Single, Twin , Pillar Pack, Four, Six rolls
 - HHT: Single, Twin rolls

1 HHT roll
2 HHT rolls

1 BRT roll
2 BRT rolls
2 BRT rolls
4 BRT rolls
6 BRT rolls





The Innovation and More

- **FTS 300 MAIN TECHNICAL FEATURES**

- Products Range (Roll)
 - Rolls Diameter 90-150 mm
 - Rolls Cut off 90-280 mm
- Pack Range
 - Pack Width 90 - 300 mm
 - Pack Height 90 - 150 mm
 - Pack Length 90 - 300 mm



The Innovation and More

- **FTS 300 Twist & Fold Seal Poly Wrapping Machine**

- High speed: 200+ p.p.m.
 - Fully automatic control
- Packaging Styles
 - T&S (Twist & Seal)
 - F&S (Fold & Seal)
 - T&T (Twist & Tuck)
- Designed for single layer, single and double lane, BRT and HHT packages style.





The Innovation

- FLEXIBILITY

- Designed to accept Product variations
- Simple fine tuning
- Fast & Easy Change-Over with:
 - Motorized and facilitate size adjustments
 - Automatic setting of pack configurations



The Innovation

- EFFICIENCY

- Line LAYOUT

Yesterday with traditional
single roll wrapper

Today with
TS 300 Single Roll Wrapper

LAYOUT SPACE
SAVING

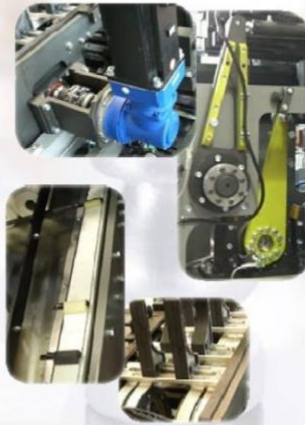




The Innovation

- **EFFICIENCY**

- Minimized maintenance level
 - All movements directly connected to the motors
 - No transmission chains
 - Easy and quick Blade change for packaging material Perforation/cutting unit (Cartridge concept)



The Innovation

- **EFFICIENCY**

- Performance: High production Capability
 - 200+ pack per minute
 - Movements setting fully optimized
- Easy machine operation
 - Operator friendly panel with step by step format change





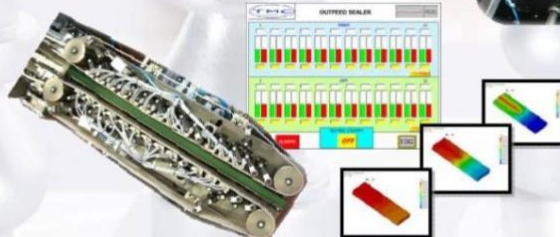
The Innovation

- PACKS QUALITY
 - Innovative wrapping and folding process
 - Elimination of quality issue
 - **Twist & Seal concept** - Produces better package quality compared to existing poly wrapping technologies
 - **Twist & Tuck concept** - Higher performance and improved accuracy in the wrapping process compared to existing poly and paper wrapping technologies



The Innovation

- PACKS QUALITY
 - Constant positive control of wrapping materials
 - Optimized and proven sealing section





The Innovation

TS 300 Single Roll Wrapper



PACKS QUALITY

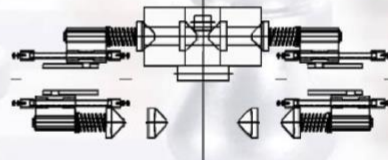
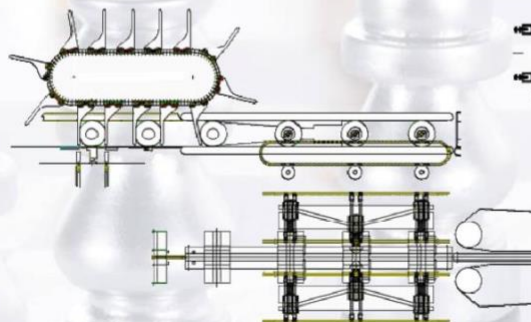
EFFICIENCY

FLEXIBILITY



The Twist & Tuck Process

- In synchronization with the product's rolling motion the **INNOVATIVE TUCKING SYSTEM** complete the folding operation.





Thanks for Your attention!

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