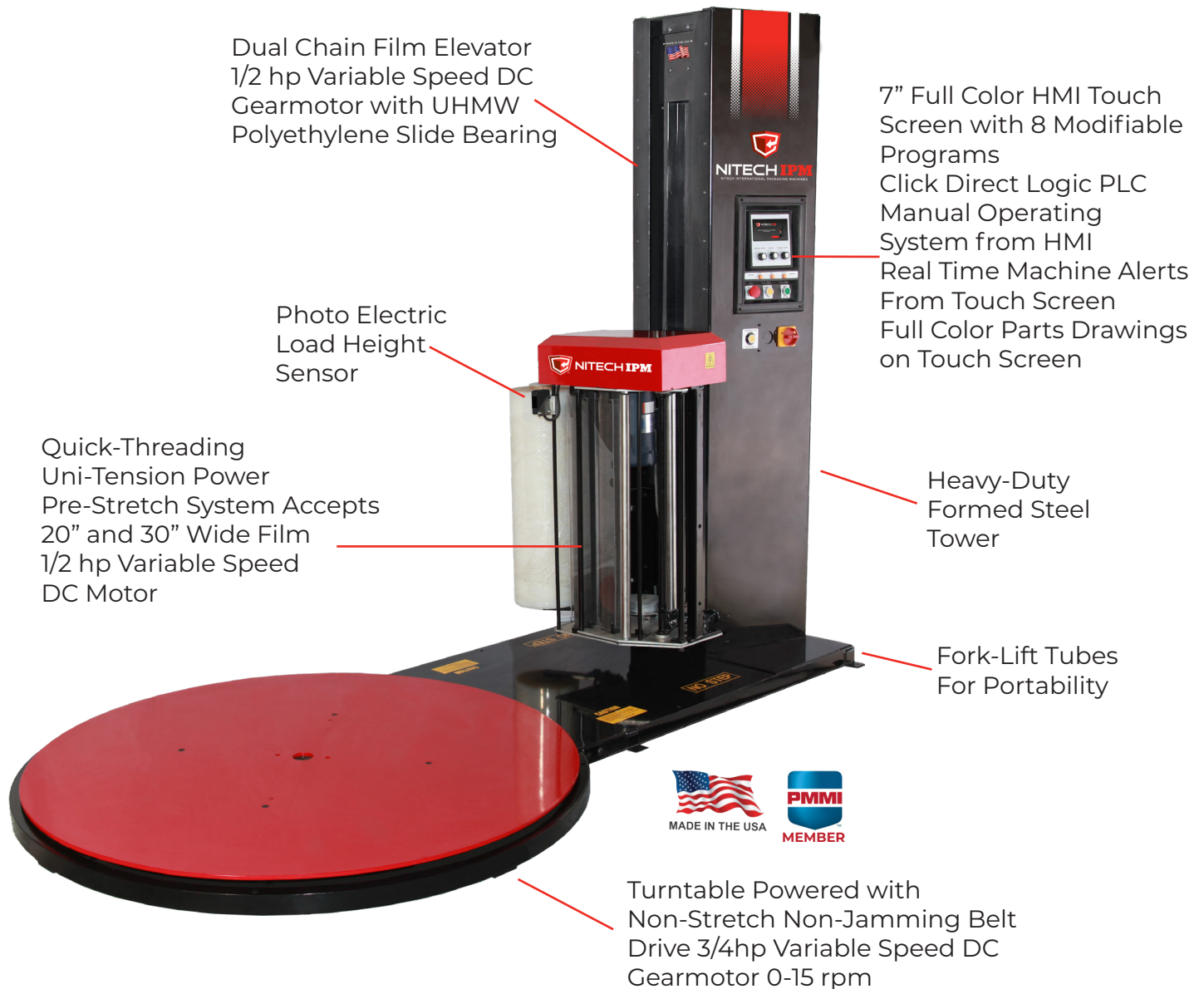




**NITECH IPM®**  
NITECH INTERNATIONAL PACKAGING MACHINES

## The Heavy Duty LP2020 UTS Semi-Automatic Stretch Wrapper is made to meet the requirements of today's demanding market.



Dual Chain Film Elevator  
1/2 hp Variable Speed DC  
Gearmotor with UHMW  
Polyethylene Slide Bearing

Photo Electric  
Load Height  
Sensor

Quick-Threading  
Uni-Tension Power  
Pre-Stretch System Accepts  
20" and 30" Wide Film  
1/2 hp Variable Speed  
DC Motor

7" Full Color HMI Touch  
Screen with 8 Modifiable  
Programs  
Click Direct Logic PLC  
Manual Operating  
System from HMI  
Real Time Machine Alerts  
From Touch Screen  
Full Color Parts Drawings  
on Touch Screen

Heavy-Duty  
Formed Steel  
Tower

Fork-Lift Tubes  
For Portability



Turntable Powered with  
Non-Stretch Non-Jamming Belt  
Drive 3/4hp Variable Speed DC  
Gearmotor 0-15 rpm

60" Round Turntable, 3" Table Height  
6,000 lbs. Capacity  
Operates on 115 Volts, 50/60HZ  
20ft. Power Cord

Low Maintenance  
4 Year Parts Warranty  
5 Year Structural Warranty

Optional Loading  
Ramp and Scale  
Available

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## TOWER DESIGN

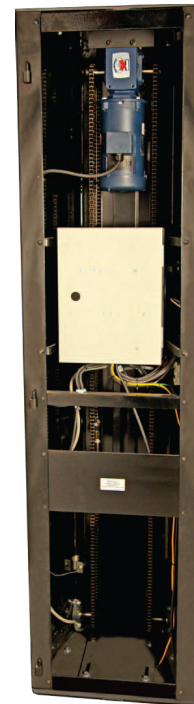
The heavy-duty 10 gauge formed steel tower provides ruggedness and stability. The film carriage elevator uses maintenance-free UHMW polyethylene slides that require no lubrication. Concealed within the tower is a dual roller chain elevator that provides proven strength, reliability and positive drive. The rear door of tower accesses elevator drive and electrical control panel.

## ALTERNATE POWERED ROLLER BRAKE SYSTEM

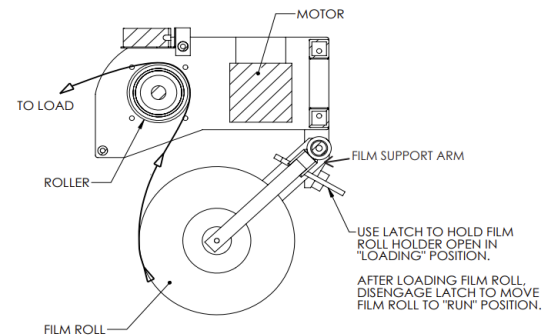
Uses a motorized urethane roller to maintain constant film tension. This system is ideal for applications requiring consistent tension and secure load containment, especially for applications dealing with irregular or breathable packaging materials.

**Compatibility** - works with:

- Stretch film
- Vented film
- Plastic netting
- Optional Attachment: Enables banding or film roping for specialized wrapping needs.



Gasketed rear tower door swings open for access to the elevator and turntable gearmotor. The electrical control panel also swings open for easy access.

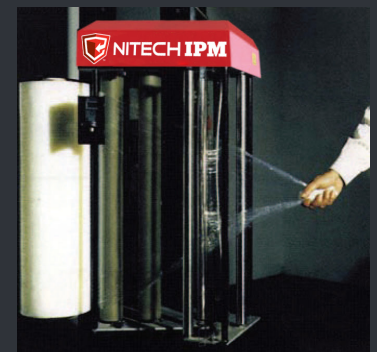
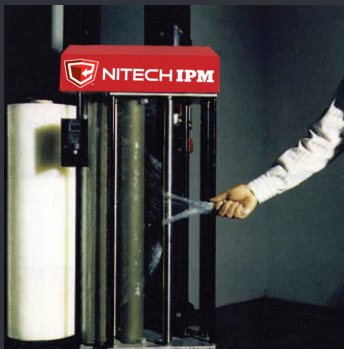


The fixed ratio UTS power pre-stretch system is available with constant tension spring dancer, and has incorporated a quick-threading cage. Simply open the cage, pull the film across the front of the unit and close the cage. The film is automatically threaded around the urethane stretch rollers, idler rollers and dancer. A plexiglass safety shield protects the operator from rotating rollers. Stretch ratios of 200%, 225%, 250% and 300% are available with the UTS film delivery.

Quick threading feature  
Pull-out cage enables film to be pulled across rollers easily.

When cage is closed, film is automatically positioned around stretch rollers and dancer roller.

- Accepts 20" and 30" Rolls of stretch film on 3" Core
- No-Thread Film Carriage
- 1/2 HP DC 90 Volt Motor
- Film Force Dial



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## 7" FULL-COLOR HMI TOUCH SCREEN - Standard Model



- High-resolution touch-enabled display for intuitive user interaction and easy navigation.

### Click Direct Logic PLC Integration

- Reliable and programmable logic control.
- Seamless communication with HMI for real-time operations.

### Manual Operating System via HMI

- Full manual control of machine functions directly from the touch screen.
- Ideal for setup, maintenance, and troubleshooting.

### Real-Time Machine Alerts

- Instant visual and/or audible alerts on the HMI.
- Keeps operators informed of system status and faults.

### Full-Color Parts Drawings

- On-screen technical illustrations and diagrams.
- Supports faster diagnostics and part identification.

### 8 Modifiable Programs

- Customizable machine programs for different products and load containment.
- Easily edited and saved via the HMI interface.

### User-Friendly Interface

- 7" Full color lcd touchscreen: bright, intuitive, and easy to navigate.
- Customizable programs: store and name up to 8 unique wrapping sequences.

#### Program features:

- Adjustable bottom, mid, and top wraps.
- Programmable top of load overwrap.
- Two additional modes: wrap up in one pass and wrap down in the next.

### Advanced Wrapping Options

#### Automatic belly-banding:

- Available in both single-pass programs.
- Activated by pressing and holding the start button during elevator travel.
- Adjustable belly-band level and frequency.

### Manual & Diagnostic Modes

#### Manual mode:

- Accessed via touchscreen.
- Includes up/down arrow keys for elevator and turntable control.

#### Troubleshooting & maintenance:

- On-screen parts breakdowns with part numbers.
- Built-in troubleshooting alerts.
- Film tension (force-to-load).

### Control & Monitoring

#### Status indicators:

- Power on.
- Ready.
- Film tension.

#### Cycle counters:

- Resettable and non-resettable wrap counters.

#### Control buttons:

- Start / resume.
- Control on / pause.
- Stop.
- Main power disconnect.

### Operator Convenience

#### Pause & resume functionality:

- Allows for corner board placement, top sheet application, or labeling.
- Automatically pauses if film breaks; resumes after reattachment.
- Turntable home indexing starts and stops in same location after each cycle.

#### Adjustable settings:

- Turntable speed.
- Elevator speed
- Film tension (force-to-load).

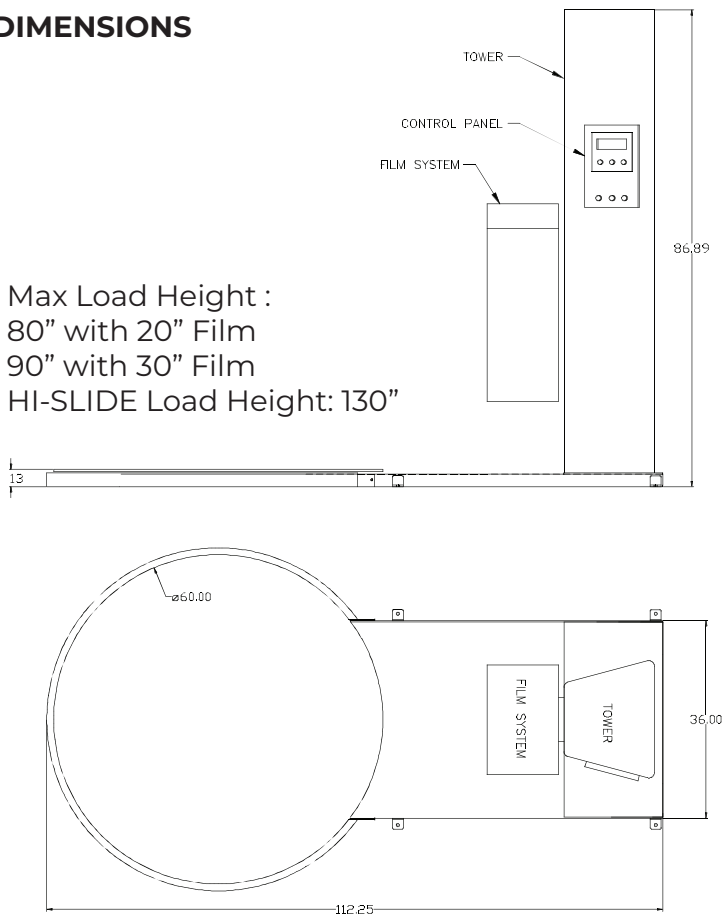


## 4 YEAR WARRANTY

Confident in the ruggedness and proven maintenance-free features of this wrapper NITECH offers a 4 year all parts and a 5 year structural warranty. We recognize our responsibility to supply quality parts to our customers and to warranty them whether made by NITECH or our suppliers.

A major achievement in the design of this series is that it is virtually maintenance free. No lubrication is required for 4 years. The 20/20 utilizes long life proximity sensors instead of limit switches. Controls operate on safe 24 volt DC power. Electronic components are modular plug-in and can be easily replaced if necessary. All motors are 90 volts DC. Higher efficiency drive systems reduce electrical power consumption and have higher starting torque.

## DIMENSIONS



The following models are available in the 20/20 series:

### High Profile Table

LP 20/20 UTS

LP 20/20 PRB

DLP 20/20 UTS (Dual Turntable)

DLP 20/20 PRB (Dual Turntable)

### Film Tension System

UTS Fixed Ratio Power Pre-Stretch

Powered Roller Brake System

UTS Fixed Ratio Power Pre-Stretch

Powered Roller Brake System

Loading ramps may be placed on 3 sides of the turntable

## STANDARD FEATURES

- Turntables are driven by non-stretch, non-jamming belt.
- The table is supported by 8 lubricant free cam follower supports rated at 5,000lbs each
- Turntable powered by 3/4hp Helical DC gearmotor.
- Variable speed 0-15rpm with soft start and soft stop.
- 60" round turntable with 3" safety skirt.
- 6,000 lb. (2700kgs) load capacity.
- Lubrication free enclosed gear drive design.
- Synthetic lube in all gearboxes (-30 to 120 degrees).
- Standard load diagonal = 80" (2032 mm).
- With extended base = 128" (3251 mm).
- Standard load height = 80" (2032 mm).
- With HI-SLIDE = 120/130" (3048 mm).
- Forklift portable from rear.
- Up to 30" (762mm) film width.
- Photo-electric load height sensor.
- PLC Control.
- Cycle pause control.
- Automatic & Manual belly banding.
- 115 volts 50/60Hz 20 Amp service.

## OPTIONAL FEATURES

- Integrated scale.
- Hi-slide telescoping mast for tall loads.
- Auto-cut film at end of cycle.
- Oversized turntables 65" and 72".
- Split or extended base.
- Dual turntable.
- Top compression platen for unstable loads.
- Heater option for PLC operation in cold weather. Recommended use 32°F and below.

## RETROFIT OPTIONS

Most optional features, such as Auto-Cut and Top Compression Platen are already programmed into the control & become operational when installed.

