

## Puller/ Cutters

**Servo puller/cutters with standard features that are optional on other brands, providing superior product consistency.**

Reel Power NPC-STD Series Puller/Cutters control line speed via precision, servo drive belt traction assemblies and manually adjustable compression force setting to ensure consistent pulling traction. Multi-V drive pulleys provide excellent product tracking capabilities feeding to a 2", 3" or 4" rotary knife cutter on the same base.



**7" HIGH RESOLUTION  
COLOR TOUCH SCREEN**



*NPC-STD  
Shown with optional  
extended inlet guard*

### Common Features:

#### **Siemens Color Touch Screen PLC Control With Connectivity**

- Recipe management for consistent and repeatable setups
- Line rate display
- Totalizing counter
- Programmable puller speed  
Speed input touch control via coarse and fine buttons as well as numerical display
- Password protection
- Data logging
- Single or separate controls

### Puller Overview:

#### **Servo Motor Drive**

Provides extended speed range and high-level speed accuracy.

#### **Multi-V Drive Pulleys and Traction Belts**

60 Durometer, natural rubber silica reinforced, red. Multiple belt durometers and materials are available.

#### **Helical Bevel Gear Reducers**

Operating efficiency of 90% for reduced energy and heat plus 60% more torque than a typical worm gear reducer.

#### **Multi-Product Use**

Wide range of compression force and speeds for pipe, profile and tubing.

#### **Drive Belt**

Dual-sided serpentine.

### Rotary Knife Cutter Overview:

#### **Multiple Cutting Modes**

On Demand with encoder, optical sensor or timer as well as continuous cut mode.

#### **Scrap Cut Technology**

Preset scrap length and simply press the touch screen to switch between scrap and production without losing part counts.

#### **Blade Lubricant Reservoir**

Easily filled with lubricant

#### **Blade Holder**

Accommodates a variety of blade types which are easy to replace.

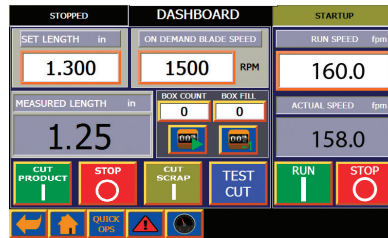
#### **Integrated Safety Interlock**

For Cat4/SIL3/PLe.

### Our Standard Features Redefining Value

**Industrial strength Siemens PLC touch screen control, standard. Standard built-in features include:**

- Process monitoring
- Digital line rate indication
- Recipe management
- Coarse and Fine puller speed adjustment
- Standard data logging
- Standard totalizing control
- Ethernet ready



Manually adjustable compression force setting on center line

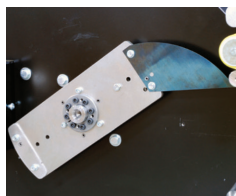
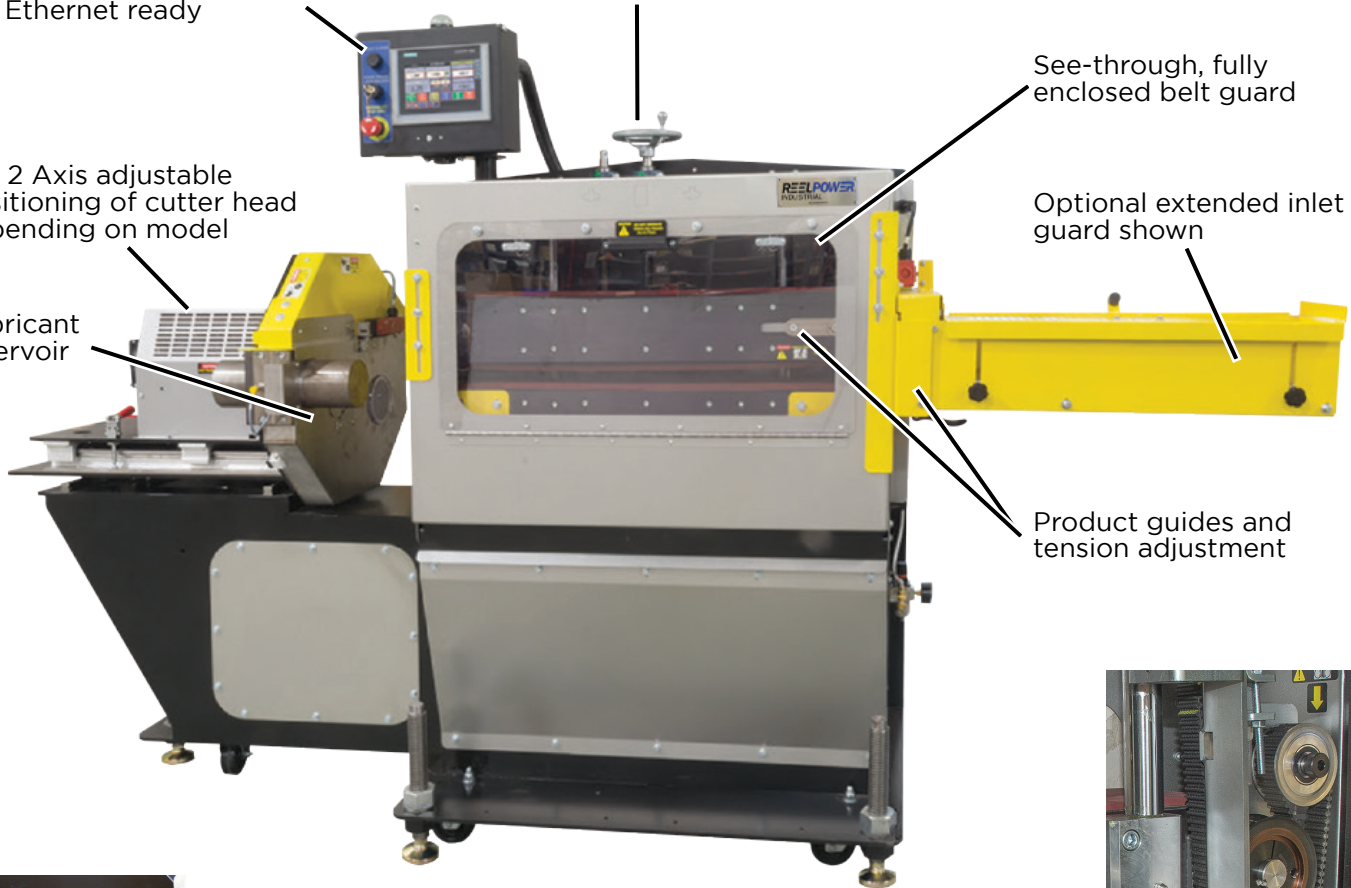
See-through, fully enclosed belt guard

Optional extended inlet guard shown

Product guides and tension adjustment

1 or 2 Axis adjustable positioning of cutter head depending on model

Lubricant reservoir



Easily changed blades pass through blade wiper and lubricant reservoir



Dual-sided serpentine drive belt

## Puller/ Cutters

# Siemens Color Touch Screen PLC Control Equals Convenience and Reliability

### QUICK OPS SCREEN

View real-time performance of puller

View and change cutter settings

View and change puller settings

Change cut length and/or speed

Touch buttons to RUN or STOP puller

### HOME SCREEN

Access to SETUP screens

Access to QUICK-OPS screen

Select existing recipe

Footage counter

Access to SETUP page 1

### SETUP SCREEN

Align Puller Functions with Your System Configurations

Recipes can be saved To/From SD card

Belt thickness factor, preset at factory

Set time and date

Accesses USERS management screen

### RECIPE EDIT SCREEN

Recipes can be entered and edited

Touch each box and enter values on the pop-up alpha-numeric screen:

- Recipe ID
- Material ID
- Recipe Name
- Startup Speed
- Run Speed

Save recipe for future use or run immediately

Scroll through up to 30 recipes by either 1 or 10 at a time



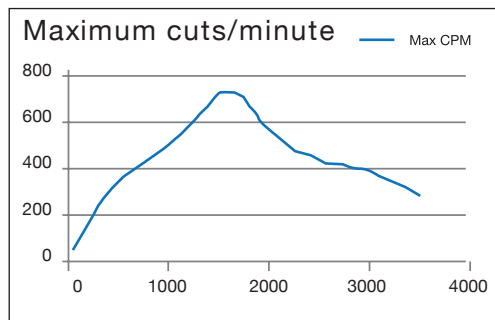
## Puller/ Cutters

### Specifications:

Model Number	NPC-STD-4X30-C2 NPC-STD-6X30-C2	NPC-STD-4X30-C3 NPC-STD-6X30-C3	NPC-STD-4X30-C4 NPC-STD-6X30-C4
Gear Ratio	7.5:1	7.5:1	7.5:1
*Speed Range FPM (ft/min)	7 - 325		
Power - Hp	2.46	2.46	2.46
Approximate Pull Force (lb)	138 lb		

\* See options below Standard voltage 460V/3ph/60Hz

C-Series Cutters	2"	3"	4"
Bushing diameter	2.25"	3.25"	4.25"
Maximum profile	2	3	4
Power - Hp	5	5	11.8
Max continuous cuts 1 blade (2 blades)	800 CPM (1600 CPM)	800 CPM (1600 CPM)	750 CPM (1500 CPM)
Maximum on-demand cuts 1 blade	300 CPM @ 600 RPM	300 CPM @ 600 RPM	200 CPM @ 600 RPM
Maximum on-demand blade (RPM)	1000	1000	900
Maximum peak torque (in/lbs)	1130	1130	3720
Blade mount arm	6.5"		



### Options:

- Alternate belt materials/durometers available
- Remote touch-screen control at extruder
- Left-to-right operation
- Belt gap indicator
- Alternate gear box ratios
- 230 VAC
- Extended guard tunnel

Note: Some additional options are available - contact factory.

Gear Ratio Options	Ratio	Speed Range	HP	Pull Force
NPS-STD-Gear-10	10:1	4.0 -325 ft/min	3	222 lbs
*NPS-STD-Gear-15	15:1	2.7-220 ft/min	3	334 lbs
NPS-STD-Gear-20	20:1	2-165 ft/min	3	445 lbs
ANPS-STD-Gear-30	30:1	1.4-110 ft/min	3	580 lbs

### Dimensions:

(inches) NPC-STD-4X40  
(add 4" to width for NPC-STD-6X30)

