

Servo Pullers

NPS-STD Pullers are designed for optimal performance at an attractive cost with standard features that are optional on other brands.

The Reel Power NPS-STD Series pullers control line speed through a precision servo connected to a right-angle gearbox that drives a dual-serpentine belt. Poly-V drive and driven pulleys ensure consistent pulling traction. The result is superior product consistency for each and every production run.

Servo Motor Drive

Provides extended speed range and high-level speed accuracy.

Poly-V Drive and Driven Pulleys

55 Durometer, natural rubber belts are standard. Multiple belt durometers and materials are available.

Dual Pneumatic Belt Tensioning

Includes check valve and pressure sensor for quick belt changes.

Wraparound Guarding

Sheet metal cage with clear polycarbonate door and adjustable product guarding.

Plus:

- Beams adjust individually with handwheel
- Stiff and accurate boom design
- Rigid linear bearings for stiffness
- Adjustable product guide rollers
- Defeatable upper boom spring intended to accommodate agglomerate at startup.
- Safety plate pressure cutoff
- Lowest cost of ownership

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 course and fine buttons as well as numerical display
- Password protection
- Data logging

Multi-Product Use

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



NPS-STD 4X30
Left hand model



**7" HIGH RESOLUTION
COLOR TOUCH SCREEN**



NPS-STD 4X30
Left hand model

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 with clamp force setting



Ethernet ready

Standard totalizing control
Standard data logging

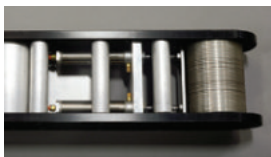
Individual adjustment of beams with hand wheel

Adjustable product guide rollers and guarding

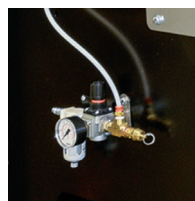


Servo and gearbox drives dual-sided serpentine belt

Full product guarding with clear polycarbonate door



Dual pneumatic belt tensioning on upper and lower beams



Standard belt tension bleed valve and pressure gauge



Servo Pullers

Siemens Color Touch Screen PLC Control Equals Convenience and Reliability

QUICK OPS SCREEN

View real-time performance of puller

Enter speed set point
Touch buttons to RUN or STOP Puller and to CLAMP or UN-CLAMP Traction Belts



Select/edit recipe

HOME SCREEN

Access to SETUP screens

Access to QUICK-OPS screen
Select existing recipe
SD counter

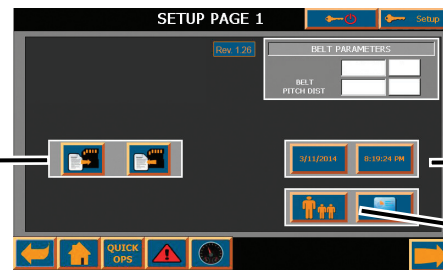


Access to SETUP page 1

SETUP SCREEN

Align Puller Functions with Your System Configurations

Recipes can be saved To/From SD card



Belt pitch distance. Preset at factory

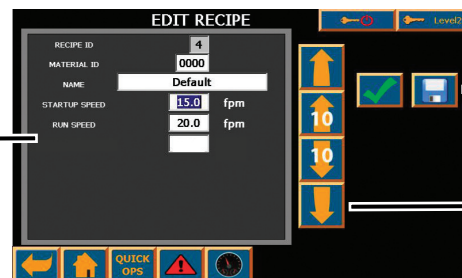
Set time and date

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



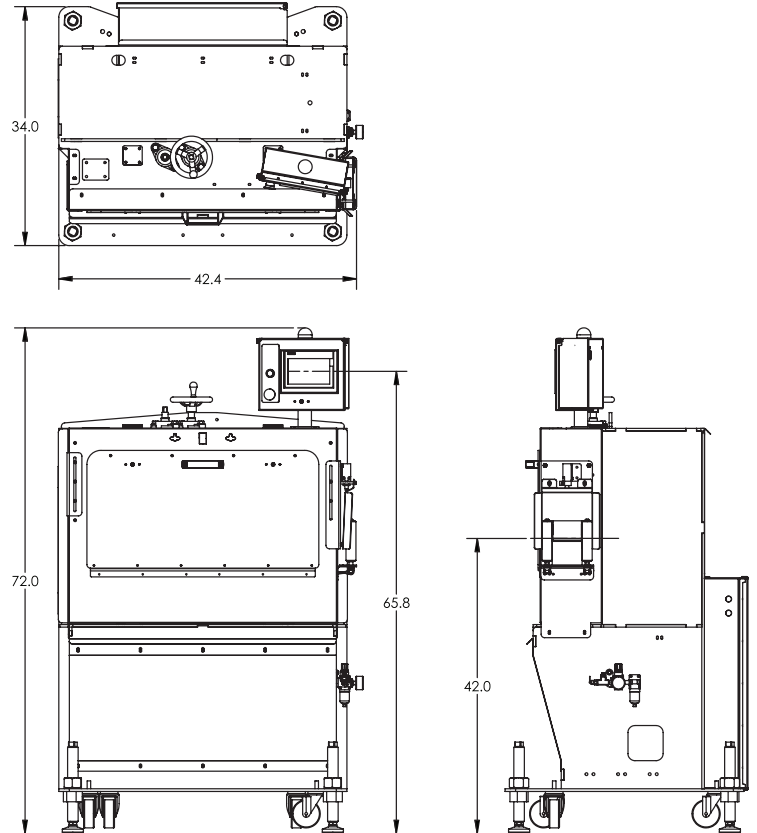
Servo Pullers

Specifications:

Model Number	NPS-STD- 4X30 NPS-STD- 6X40
Gear Ratio	10:1
*Speed Range FPM (ft/min)	4.0-325
Power - Hp	3
Approximate Pull Force (lb)	222

* See options below Standard Voltage:
460V/3ph/60Hz.

Dimensions:



Options:

- Alternate belt materials and durometers available
- Remote touch-screen control at extruder
- Left-to-right operation
- Belt gap indicator
- OSHA inlet tunnel
- Optional gear ratios: 7.5:1, 15:1, 20:1 and 30:1

Note: Some additional options are available - contact factory.

Optional Gear Ratios:

Optional Gear Ratios	NPS-STD-GEAR 7.5	NPS-STD-GEAR 15	NPS-STD-GEAR 20	NPS-STD-GEAR 30
Gear Ratio	7.5:1	15:1	20:1	30:1
*Speed Range FPM (ft/min)	5.5 - 425	2.7 - 220	2.0 - 165	1.4 - 110
Power - Hp	3	3	3	3
Approximate Pull Force (lb)	167	334	445	580