

NPS-STD Servo Pullers

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

Bessemer NPS 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.

— 5 —
YEAR
warranty



NPS-STD-4X30
Left hand model

Servo Motor Drive

Provides extended speed range, 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

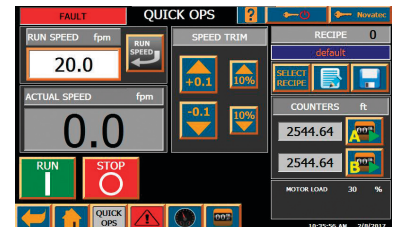
Sheet metal cage with clear polycarbonate door and adjustable product guarding.

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.



7" High resolution
color touch screen

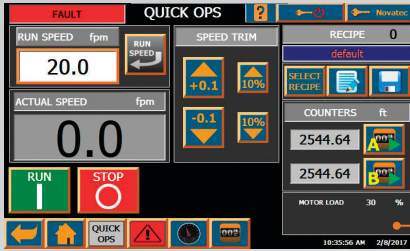
Plus

- › 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 with the industry's only 5-year warranty



NPS-STD-4X30
Left hand model

A total redefinition of value with our standard features

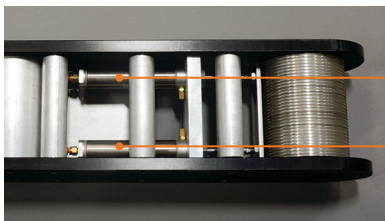
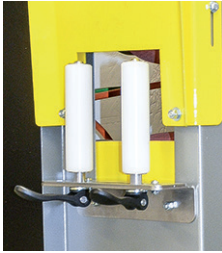


Industrial strength Siemens PLC touch screen control, standard.

Standard built-in features include:

- Process monitoring
- Digital line rate indication
- Recipe management with clamp force setting

Adjustable product guide rollers and guarding



Dual pneumatic belt tensioning on upper and lower beams

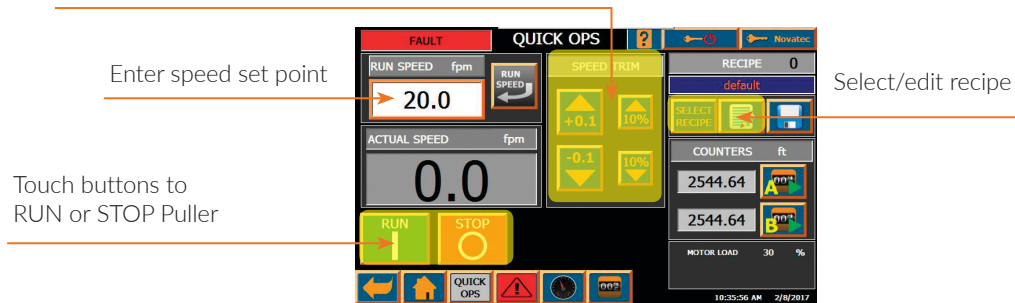


Standard belt tension bleed valve and pressure gauge.

Siemens Color Touch Screen PLC Control Equals Convenience and Reliability

QUICK-OPS SCREEN – View Real-time Performance of Puller

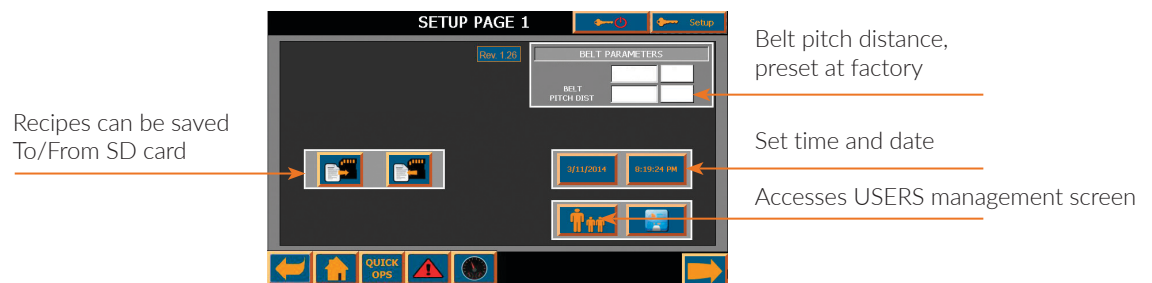
Increase or decrease speed reference by increments of...
±10% or 0.1 fpm or m/min.



HOME SCREEN – Access to SETUP screens



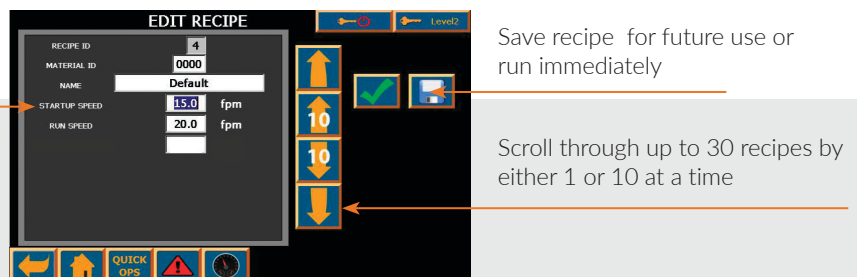
SETUP SCREEN – Align Puller Functions with Your System Configuration



RECIPE EDIT SCREEN – Recipes Can Be Entered or Edited

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

Recipe ID
Material ID
Recipe Name
Startup Speed
Run Speed

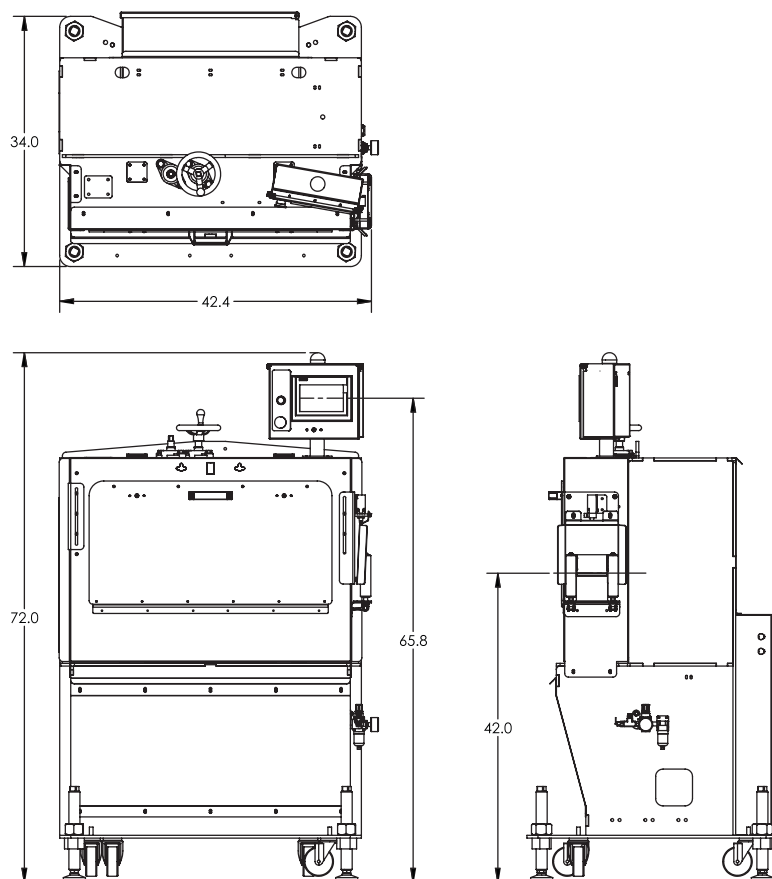


Specifications:

| Model Number | NPS-STD-4X30 |
|------------------------------------|--------------|
| | NPS-STD-6X30 |
| 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 Ratio | 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 |