

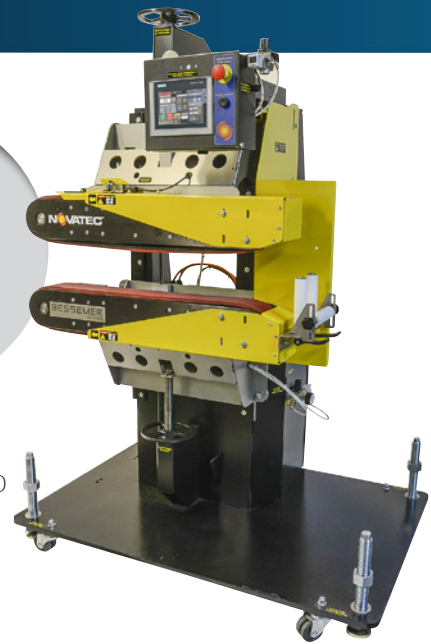


# NPS-HD Dual Servo Pullers

Heavy Duty Dual Servo Pullers for best-in-class performance with standard features that are optional on other brands.

Bessemer Series Heavy Duty Pullers control line speed via precision, dual servo drive belt traction assemblies and adjustable compression force setting with digital force display to ensure consistent pulling traction. Multi-V drive pulleys provide excellent product tracking capabilities.

The result is superior product consistency for each and every production run.



NPS-HD 4X30

## Dual Servo Motor Drive

Provides extended speed range, high-level speed accuracy and eliminates relative slip between belts.

## 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.

## Dual Pneumatic Belt Tensioning

Includes check valve and pressure sensor for quick belt changes.

## 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

- › Pneumatic belt tensioning with pressure gauge
- › Walk through style belt guard
- › Lowest cost of ownership with the industry's only 5-year warranty

# 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

Ethernet ready

Standard adjustable down stop avoids collapsing thin walled extrudate



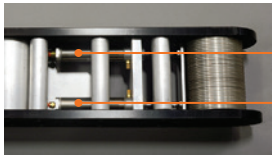
Standard beam pressure adjustment belt clamp regulator with digital readout in PSI or bar

Standard totalizing control

Standard data logging

Standard dual servo drive – no more sloppy open loop drives

Standard pneumatic clamp force adjustment

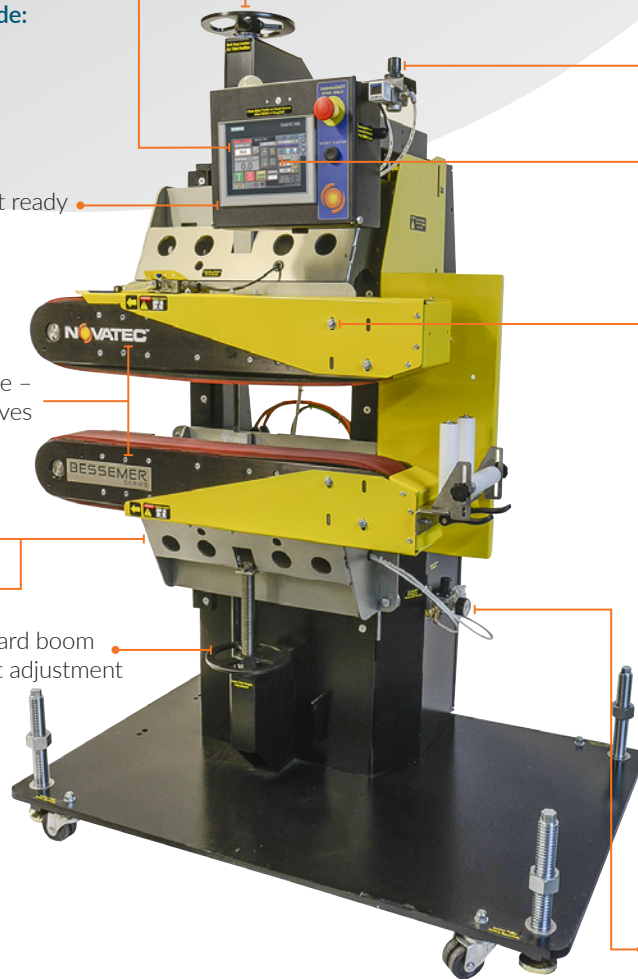


Dual pneumatic belt tensioning on upper and lower beams

Standard boom height adjustment



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.

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 Configuration

Calibration points for air pressure transducer - upper boom

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 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
- Clamp PSI Setpoint

Save recipe for future use or run immediately

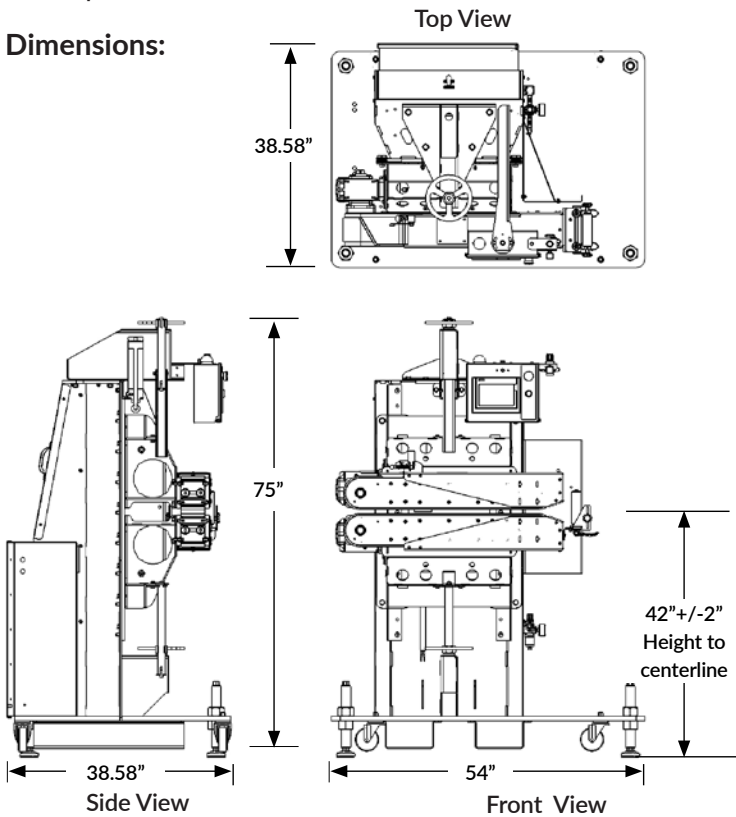
Scroll through up to 30 recipes by either 1 or 10 at a time

**Specifications:**

<b>Model Number</b>	<b>NPS-HD-4X30</b>
	<b>NPS-HD-6X40</b>
<b>Gear Ratio</b>	19.93:1
<b>*Speed Range FPM (Ft/Min)</b>	1.5-150
<b>Power - Hp</b>	4.3
<b>Approximate Pull Force (lb)</b>	587

\* 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
- Alternate gear box ratios
- Kit, fully enclosed belt guard

Note: Some additional options are available - contact factory.

<b>Optional Gear Ratios</b>	<b>NPS-HD-GEAR-43</b>	<b>NPS-HD-GEAR-11</b>
<b>Gear Ratio</b>	43.53:1	11.42:1
<b>*Speed Range FPM (Ft/Min)</b>	0.6-65	2.8-260
<b>Power - Hp</b>	4.3	4.3
<b>Approximate Pull Force (lb)</b>	864	337



CE certified puller



Fully enclosed belt guard show in locked position above and in open position below.

