

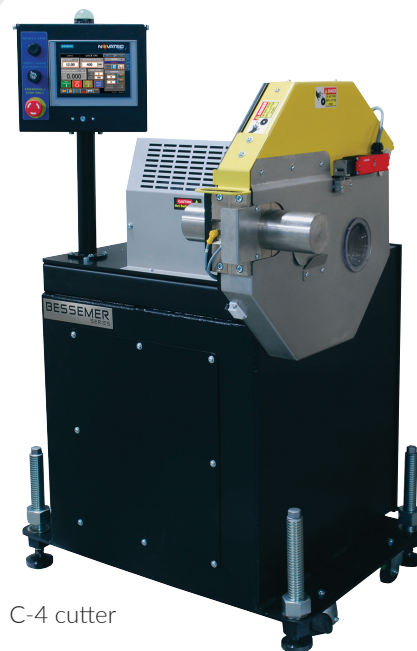


# C-Series Servo Rotary Knife Cutter

Precision on-demand/continuous servo cutters provide best-in-class features for **CUT ENERGY, ACCURACY** and **REPEATABILITY!**

The Novatec Bessemer Series servo rotary knife cutters have many standard features that are options on most ordinary units yet have a comparable price point to "stripped down" models.

**—5—**  
**YEAR**  
warranty



C-4 cutter



7" high resolution color touch screen

## Easy to Set-up, Use and Maintain!

PLC with 7" High resolution color touch screen control makes set-up, recipe management and line control easier than ever!

## Powerful Siemens Servo Motor and Drive

Offers greater repeat accuracy and reliability with less maintenance than others.

## Seamless Automatic Switching Between Continuous Mode and On-Demand Mode

Changes in line speed/cut rates automatically changes mode of cut, as necessary.

## Siemens 7" High Resolution Color Touch Screen PLC

- Recipe management for different cut lengths
- Multiple batch capability
- Timer
- Totalizer
- Line rate indication
- Data logging

## User Interface

Provides easy access to four modes of operation, utilizing the encoder in either the on-demand or continuous modes and the end sensor or timer in the on-demand cutting mode.

## Safety Interlock

Integrated safety for Cat4/SIL3/PLe.

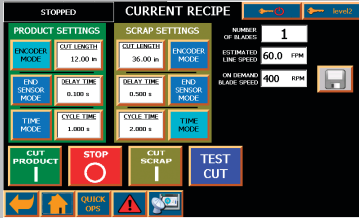
### Plus

- › SS blade holder and reservoir plus blade wipe
- › Input for optical or mechanical cut signal with adjustable timed delay
- › Output for box change, part cut or dump table
- › Encoder included
- › Ethernet capable
- › CRS steel bushings
- › Indicator lights for machine status
- › Variable knife speed adjustment for "ON Demand" mode
- › Standard voltage 480/3/60
- › Lowest cost of ownership with the industry's only 5-year warranty



Cut made with C-4

# Our Standard Features Redefine Value



Standard totalizing control  
Standard data logging

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

- Batch counter
- Timer
- Optical or mechanical cut signal input
- Change cut mode on the fly

Ethernet ready



Standard powerful Servo drive with planetary gear reducer

Standard variable speed

Standard safety interlock  
Lock-out/tag-out procedure not required



Standard stainless steel blade holder for 1 or 2 blades

Standard stainless steel reservoir and blade wipe

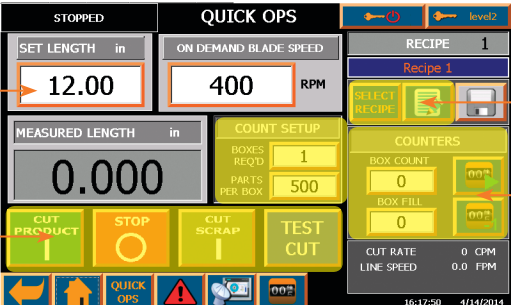
**Many models available for quick delivery**



**Standard encoder...**  
2500 PPR pace encoder supplied with every cutter to match speed of cutter to puller speed.

# Siemens Color Touch Screen PLC Control Equals **Convenience and Reliability**

**QUICK OPS SCREEN** – View real-time performance of cutter



SET LENGTH to be cut

Touch buttons to CUT PRODUCT, STOP, CUT SCRAP or TEST CUT

Select/edit recipe

Piece & Box Count

**HOME SCREEN** – Access to all cutter functions



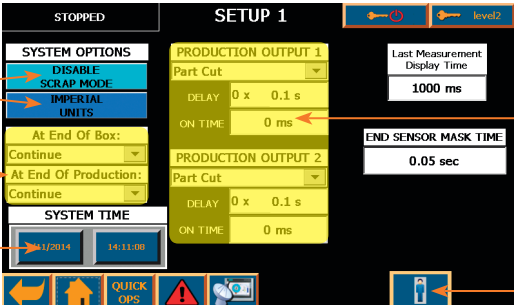
Access to QUICK-OPS screen

Opens RECIPE SELECT screen

Access to SETUP page 1

Opens the BATCH counter screen

**SETUP 1** – Access to SETUP screens



Enable/disable SCRAP MODE

Choose ENGLISH or METRIC units

Set PRODUCTION OUTPUTS

Set correct TIME & DATE

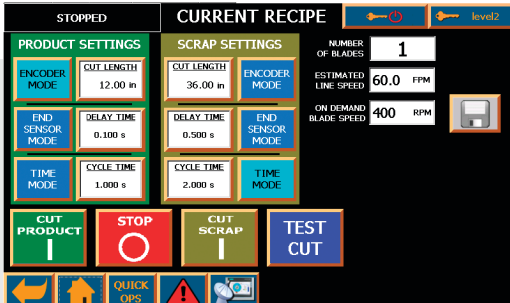
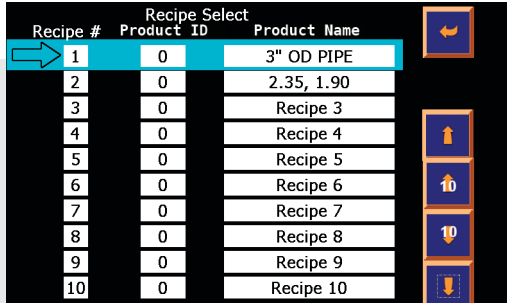
User settable PRODUCTION OUTPUTS

Set USER NAMES and PASSWORDS

**RECIPE SELECT** – Store and recall up to 30 recipes

Set all parameters for any product and save it to list of recipes

Press any field to select recipe or to edit or enter a recipe using the alpha-numeric pop-up screen

Recipe #	Product ID	Product Name
1	0	3" OD PIPE
2	0	2.35, 1.90
3	0	Recipe 3
4	0	Recipe 4
5	0	Recipe 5
6	0	Recipe 6
7	0	Recipe 7
8	0	Recipe 8
9	0	Recipe 9
10	0	Recipe 10

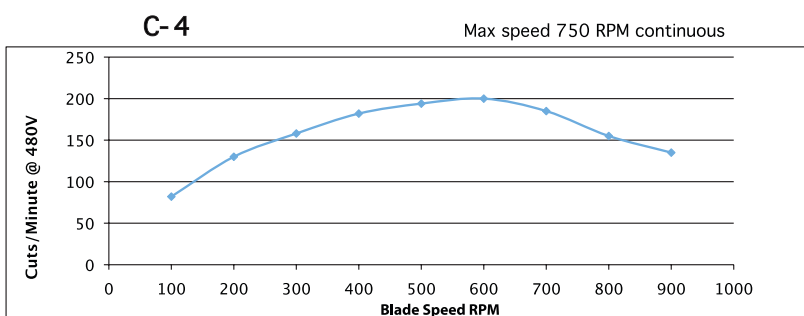
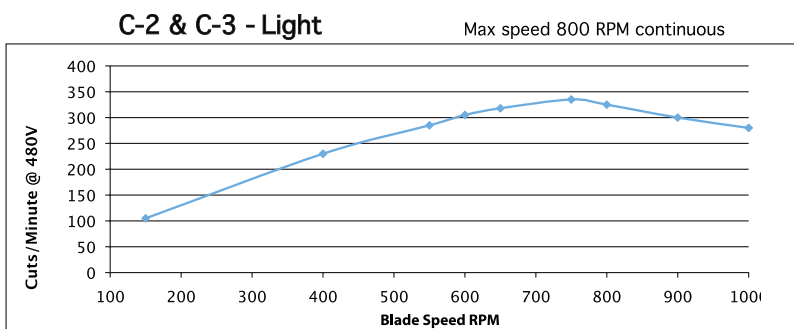
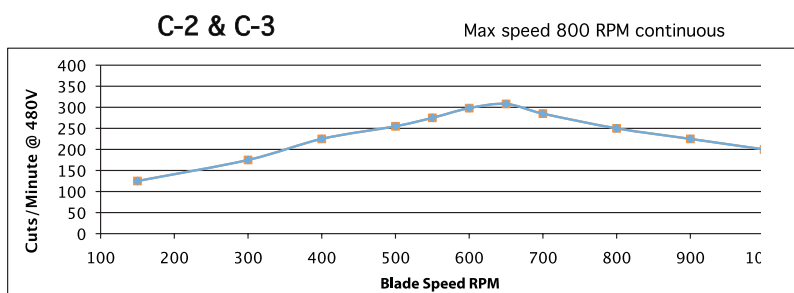
## Specifications:

Model Number	C-2	C-3	C-4
Bushing Diameter	2.25"	3.25"	4.25"
Maximum Profile Diameter	2"	3"	4"
Power - Hp	5	5	11.8
Maximum Continuous Cuts (1 Blade)	800 CPM*	800 CPM*	750 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/lb)	1130	1130	3720
Blade Mount	12" stainless steel cutter head		

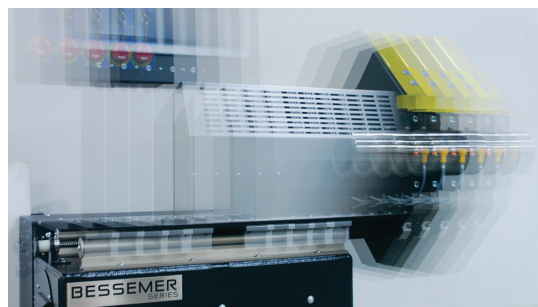
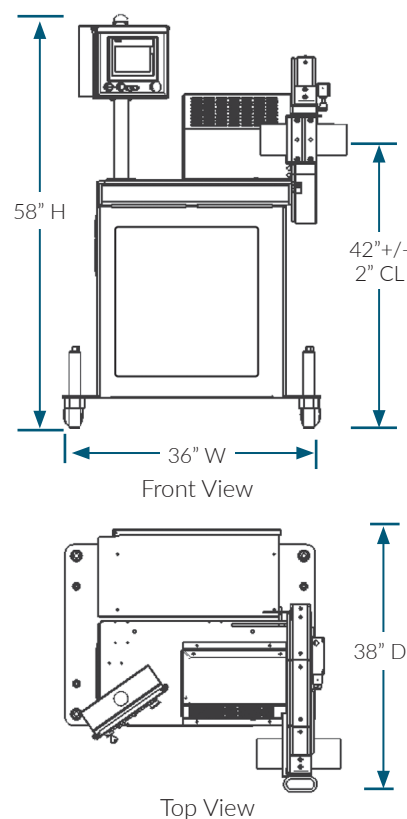
\* Higher rates may be available for certain applications with specific cutter. Single and multiple blade configuration.

\*\*See charts below for actual CPM @ Maximum RPM.

## Performance Data:



## Dimensions: C Series Puller



Slide base with 8" travel allows easy positioning with respect to puller.

## Accessories:

- Remote touchscreen control at extruder
- Bracket system to interface C-Series cutter and puller
- Common power plug

## Options:

- Slide base with 8" travel
- Left to right operational direction
- Cutter stack light/audible alarm
- Aluminum blade holder for alternate blades
- Stainless steel bushing holder