



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



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.



7" high resolution color touch screen

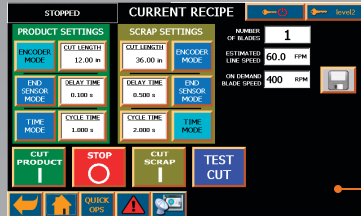


Cut made with C-4

Plus

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

Our Standard Features redefine value



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

Standard totalizing control

Standard data logging

Standard safety interlock

Lock-out / tag-out procedure
not required

Ethernet ready



Standard powerful
servo drive with
planetary gear reducer

Standard variable speed

Standard 16" aluminum
flywheel with easy access

Standard stainless steel
reservoir and blade wipe

**Many models available for
quick delivery**

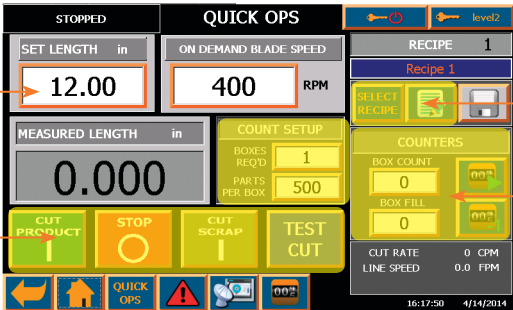


Standard encoder...

5000 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

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HOME SCREEN – Access to all cutter functions



Access to QUICK-OPS screen

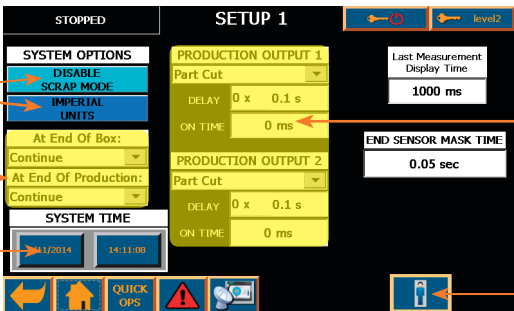
Opens RECIPE SELECT screen

Access to SETUP page 1

Opens the BATCH counter screen

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SETUP 1 – Access to SETUP screens



Enable/disable SCRAP MODE

Choose ENGLISH or METRIC units

Set PRODUCTION OUTPUTS

Set correct TIME & DATE

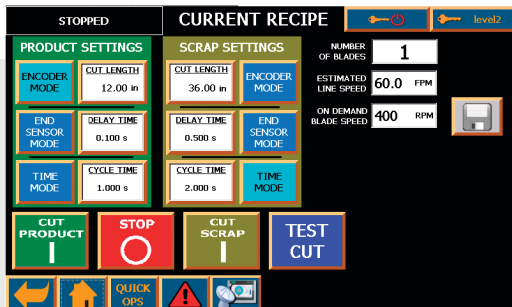
User settable PRODUCTION OUTPUTS

Set USER NAMES & PASS-WORDS

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RECIPE SELECT – Store and recall up to 30 recipes

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



PRODUCT SETTINGS

SCRAP SETTINGS

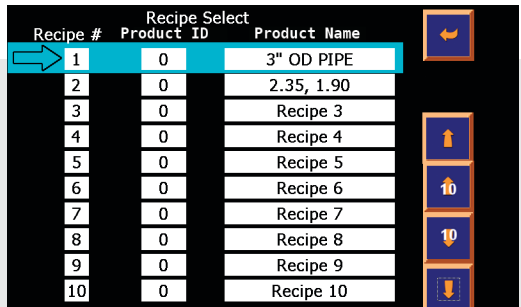
NUMBER OF BLADES: 1

ESTIMATED LINE SPEED: 60.0 FPM

ON DEMAND BLADE SPEED: 400 RPM

CUT PRODUCT, STOP, CUT SCRAP, TEST CUT

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

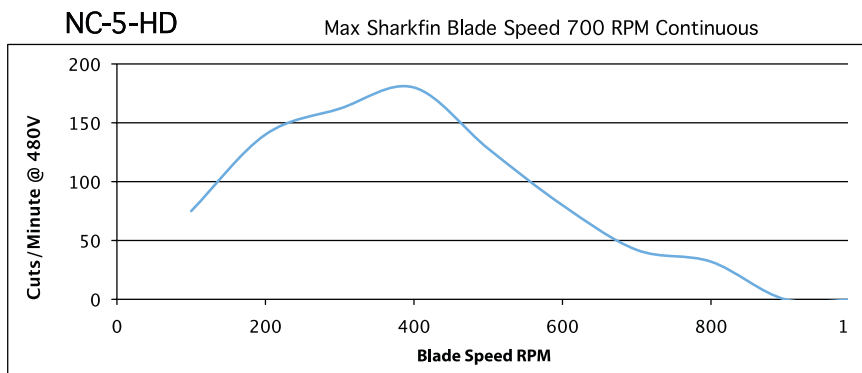
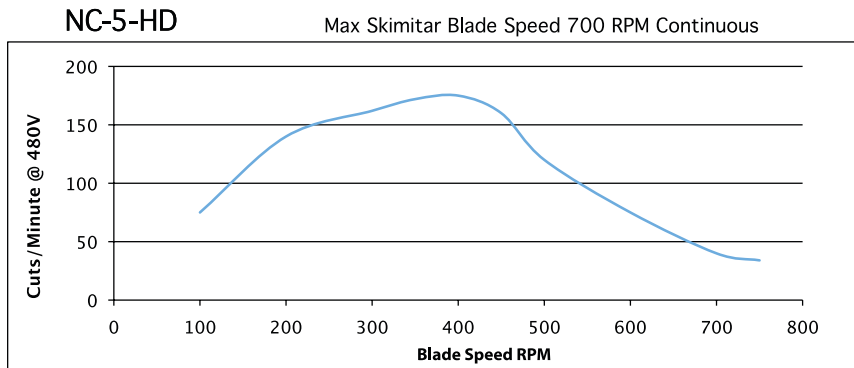
Specifications:

Model Number	NC-5-HD
Bushing diameter	5"
Maximum profile	4.5" x 7.5" 5" diameter
Power - Hp	11.6
Max continuous cuts (1 blade)	700 CPM*
Maximum on-demand cuts (1 blade)	150 CPM @ 400 RPM
Maximum peak torque (in/lb)	4550
Maximum on-demand blade RPM	750**
Cutter head	16" dia. x 1" Flywheel
Bushing discharge location	Above flywheel center

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

**See chart below for actual CPM @ maximum RPM.

Performance data:



Accessories:

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

Options:

- Left to right operational direction
- Cutter stack light/audible alarm
- Stainless steel bushing holder
- Kit, Bushing holder, Rectangular

Dimensions:

NC-5-HD

