SERVO-DRIVEN CUTTERS

The Revolutionary SMARTCUT® and INTELLICUT® Servo-Driven Cutters Offer a Wide Variety of Features and Options:

- SERVO DRIVE
- QUICK BLADE-CHANGE SYSTEM
- TOUCHSCREEN CONTROL PANEL
- ON-DEMAND WITH ELECTRONIC CAMMING
- HIGH TORQUE RATINGS
- QUICK-CHANGE BUSHINGS
- HEIGHT-ADJUSTING CASTERS

SMARTCUT®

INTELLICUT®

Increased Productivity Starts Here
**SMARTCUT®**

The SMARTCUT® from RDN is a reliable, easy to use Servo Driven Cutter that is priced perfectly for applications that don’t require the sophisticated control offered in the INTELLICUT®. We’ve focused on delivering the most reliable cutter in the industry giving you huge increases in uptime productivity versus clutch-brake technology.

- **Servo-Drive**
  Minimizing downtime is the key to increasing extrusion productivity. While the servo motor requires very little maintenance, it also provides a greatly increased machine life at the same time. There is no comparison to the maintenance time spent on other units. Plus, the servo makes the infrequent, routine maintenance quick, easy and inexpensive. Combined with state-of-the-art digital circuitry, the motor produces superior machine repeatability and more accurate cutting - more ways to increase your productivity.

- **High Torque Ratings**
  To ensure quick, clean cuts, RDN Servo Cutters feature high torque ratings. Increased force behind every cut is another way these products increases productivity.

- **Easy Access Machine Housing**
  With a quarter-turn of a flathead screwdriver on four fasteners, you gain total access to the heart of the mechanics. Although little maintenance is needed, this simple design ensures that you won’t waste precious time trying to reach any of the inner workings, including the servo motor and electronic circuitry.

- **Minimize Downtime With Virtually No Maintenance**
  RDN’s revolutionary new servo-driven cutter eliminates downtime and increases your productivity. They’re called the INTELLICUT® and SMARTCUT® because they’re built with “smarts” through extensive market research and re-engineering.

- **Built In Storage Cabinet**
  With a quick turn of a screw driver, this roomy storage compartment opens up to provide easy access to spare blades, stored bushings or anything else that might be useful. Eliminate the downtime of running across the plant to get a needed tool. This storage cabinet allows you to keep things within easy reach.

**INTELLICUT®**

The INTELLICUT® Servo Driven Cutter leapfrogs any technology on the market today - all at a price comparable to traditional clutch brake models. The advanced touchscreen control facilitates simple setup, and the other standard options including quick change bushings and blades help to minimize downtime and maximize productivity.

- **Quick Blade-Change System**
  While RDN can’t eliminate the fact that blades do need to be changed, we have innovated a quick way to change them. This system requires no tools and takes only seconds. The locking plate holds a blade in place on the arm. To change, just move the plate down, away from the blade. Set a new blade in the holder and replace the plate. Now, blade changing is easier and faster than ever. Patent applied for.

- **Quick Change Bushings**
  Simply turn the handles on these all-new bushing holders and your work is done. Turning the handles loosens the pressure on the bushings. Pull a bushing out and slide in a new bushing in place. Then, tighten the handles to secure the bushings. Changeovers have never been easier or faster. No tools are required.

- **Touchscreen Control**
  This operator panel is designed to be the most easy-to-use in the marketplace. The touchscreen prompts an operator through the steps needed to input set-up information easily. Just touch the screen itself where the appropriate information appears. It’s not only easy-to-use, it’s also reliable and durable.

- **Four Options for Cutting**
  1. **On Demand Mode** - The knife blade rotates one revolution based on the desired preset cut length.
  2. **Continuous Mode** - The knife blade rotates continuously based on the preset blade RPM speed.
  3. **Continuous Ratio Mode** - The knife blade rpm automatically adjusts to a change in belt puller speed to achieve the preset cut length.
  4. **Timer Mode** - The knife blade rotates one revolution per the set time interval.

- **Height - Adjusting Casters**
  Another time-saving feature lets you move RDN’s Servo Cutters in and out of the extrusion line quickly. The flexibility of these casters also makes it easy to align the centerline during set-up.
# SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>IC-2</th>
<th>SC-2A</th>
<th>IC-3</th>
<th>SC-3A</th>
<th>IC-4</th>
<th>SC-4A</th>
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<tbody>
<tr>
<td>Cut Capacity</td>
<td>0-2” Tube or Equiv. Profile</td>
<td>0-3” Tube or Equiv. Profile</td>
<td>0-4” Tube or Equiv. Profile</td>
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<td>Bushing Diameter</td>
<td>2 1/4” O.D.</td>
<td>3 1/4” O.D.</td>
<td>4 1/4” O.D.</td>
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<tr>
<td>Max. Cuts Per Min.</td>
<td>1000 or 750 w/ High Torque</td>
<td>250 or 200 w/ High Torque</td>
<td>1000 or 750 w/ High Torque</td>
<td>250 or 200 w/ High Torque</td>
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<tr>
<td>Blade RPM Speed</td>
<td>Adjustable 200 - 1000</td>
<td>900</td>
<td>Adjustable 200 - 1000</td>
<td>900</td>
<td>Adjustable 200 - 1000</td>
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<tr>
<td>Cut Length</td>
<td>9999.99 Inches/Feet Max.</td>
<td>Other units available.</td>
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<td>Power Supply</td>
<td>230/1/60</td>
<td>230/3/06</td>
<td>230/1/60</td>
<td>230/3/06</td>
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<td>Weight</td>
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<td>Quick Change Bushing Holder</td>
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<td>Optional</td>
<td>Standard</td>
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<td>Quick Change Blade Holder</td>
<td>Height- Adjusting</td>
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<td>Casters</td>
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A wide variety of options are available. Larger cutting diameters are also available. Specifications subject to change without notice.