Committed to Extrusion Cutting Excellence

Founded in 1968, we are a leading world specialist in extrusion cutting.

Innovation, combined with decades of experience, has resulted in one of the most technically advanced ranges of extrusion cutting machines on the market.

- Raising the bar on cut length accuracy
- Increased productivity starts here
- Designed for maximum uptime
- Value-for-money for a quick pay-back
- Custom-made at a standard cost
- Durability as standard

Solving your extrusion cutting problems

www.gillardcutting.com
Plastics Extrusion
Our experience in cutting plastic extrusions is extensive. In-house knowledge of blade technology provides affordable cutting solutions for the vast majority of plastic tube, hose, pipe and profile applications.

Rubber Extrusion
Our machines are engineered for cutting rubber under challenging conditions, where water and anti-tack solutions are often present.

We can handle hot and sticky materials thanks to standard features such as blade lubrication.

Medical Extrusion
A wide variety of medical products can be cut with our Servo-Torq® technology. These include all types of tubing, including smooth, bubble, bump, taper and cuffed tube.

All our medical cutters are configured to work in a clean-room environment.

Food Extrusion
Our rotary cutters are ideal for the in-line cutting of extruded food products such as flat bread, dog chews and dental sticks, croutons and bread sticks.

All machines are optimised for this market. This means improved hygiene standards, integrated dust extraction system, heat resistant components and the ability to operate with multiple lanes of extruded product.

Consumer Extrusion
We have particular expertise in cutting non-polymer extrusions, such as toilet blocks and gels, play dough, adhesives, putty and similar materials.

www.gillardcutting.com
for more information on our product range
The Servo-Torq® series of fly-knife cutters extend from table-top versions to machines with a cutting capacity of up to 300 mm outer diameter, with seven levels of cutting power.

Every Servo-Torq® cutter uses the latest digital AC servo motor and drive technology to control the flying knife rotary blade cutting action. The high-level performance ensures that every cutting requirement can be precisely matched at an affordable price.

- Widest range of cutting capacities and motor powers.
- Blade lubrication as standard for an improved cut quality.
- Siemens colour touch screens.
- Digital AC servo drive technology from Lenze.
- Automatic step-less cutting from 1 to 2,000 cuts/minute.
- Profinet standard with remote support available via the internet using a VPN router.

Servo-Torq® Free-standing
Ø 40 - 50 - 100 - 150
200 - 250 - 300 mm
A stand-alone rotary cutter for when you already have a caterpillar machine.
An encoder length control system is provided, including a measuring wheel designed to run on the caterpillar belt or directly on the product.
Cutter power ranges for light-duty to super-heavy-duty. Torque enhancer gearboxes are available to increase the cutting power significantly.

Servo-Torq® Free standing with pre-heater
Ø 40 - 50 - 100 mm
A stand-alone rotary cutter with an integral pre-heater tunnel. This system is recommended for cutting rigid plastic pipe and profile where some extra warmth is needed in the product to achieve a nice swarf-free cut finish.
The pre-heater source is either infra-red or hot air.

Servo-Torq® Mini Combination
Ø 30 mm
Our compact table-top rotary cutter is aimed at lighter-duty, off-line, cutting applications. Despite the small footprint, this machine can perform. The machine can also be supplied as part of a complete off-line cutting cell with sonar loop and pay-off system.

www.gillardcutting.com
for more information on our product range
Servo-Torq® Rotary cutter range

<table>
<thead>
<tr>
<th>Model:</th>
<th>Max. outer diameter capacity (mm):</th>
<th>Servo motor size (Nm):</th>
<th>Servo drive rating (A):</th>
<th>Peak Torque (Nm):</th>
<th>Equivalent Power (kW):</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST-Mini</td>
<td>30</td>
<td>4.5</td>
<td>7.3</td>
<td>23</td>
<td>2.4</td>
</tr>
<tr>
<td>ST-Mini Slider</td>
<td>30</td>
<td>4.5</td>
<td>7.3</td>
<td>23</td>
<td>2.4</td>
</tr>
<tr>
<td>ST-Medi</td>
<td>30</td>
<td>3.8</td>
<td>5.0</td>
<td>14.8</td>
<td>2</td>
</tr>
<tr>
<td>ST-LT</td>
<td>40, 50</td>
<td>7.5</td>
<td>10.0</td>
<td>24.7</td>
<td>4</td>
</tr>
<tr>
<td>ST-MT</td>
<td>40, 50, 100*</td>
<td>11.0</td>
<td>13.0</td>
<td>41.5</td>
<td>5.5</td>
</tr>
<tr>
<td>ST-HD</td>
<td>40, 50, 100, 150*</td>
<td>14.0</td>
<td>16.5</td>
<td>51.5</td>
<td>7.5</td>
</tr>
<tr>
<td>ST-LT</td>
<td>40, 50, 100, 150, 200*, 250*, 300*</td>
<td>17.0</td>
<td>23.5</td>
<td>71.6</td>
<td>11.0</td>
</tr>
<tr>
<td>ST-XXHD</td>
<td>40, 50, 100, 150, 200*, 250*, 300*</td>
<td>21.0</td>
<td>39.0</td>
<td>97.6 – 378</td>
<td>15 – 66</td>
</tr>
</tbody>
</table>

*Free-standing cutters only.

Servo-Torq® Mini Slider Combination
Ø 30 mm

With a slide-away cutter head and floor-standing base, this machine is perfect for lighter duty in-line cutting applications. It can handle most flexible plastics and rubbers up to 30 mm outer diameter.

Despite the small size this machine features twin direct-drive servo motors powering the Accra-Feed™ infeeder belts and a multi-axis servo drive control system.

Servo-Torq® Medi Combination
Ø 30 mm

Precision engineered for cutting medical tubing. A clean-room finish is standard. Very high linespeeds are combined with an ultra-precise cut, ideal for high accuracy applications.

The integral Accra-Feed™ caterpillar puller belts have been specially designed to ensure optimum feeding of even the smallest tube into the cutting area.

Options available include bubble, taper, bump and cuffed tube functions.

Servo-Torq® LT & MT Combination
Ø 40 - 50 mm

Our workhorse rotary cutters combined with an integral Accra-Feed™ caterpillar infeeder/puller fitted with 550 mm long belts. A slide-away cutter head is standard to assist with line start-up and blade changing.

The fly-knife blade is powered directly by the cutter servo motor for a clean, square, cut end.

These are “full-on” production machines suitable for all medium-duty cutting applications.

Servo-Torq® HD & XHD Combination
Ø 40 - 50 - 100 - 150 mm

Our heavy-duty rotary cutters with integral Accra-Feed™ caterpillar infeeder/puller.

The cutter motors can be rated up to 17 Nm (15 kW). The integrated puller/infeeder is available with belt lengths of 600 mm, 800 mm or 1000 mm.

These heavier-duty units are capable of cutting tough extruded products such as rigid plastic pipe and profile and Kevlar® reinforced rubber hose.
Servo-Torq®

XXHD Combination
Ø 40 - 50 - 100 - 150 mm

Our super heavy-duty rotary cutters with integral Accra-Feed™ caterpillar infeeder/puller. A torque enhancer gearbox is fitted to the cutter motor to increase the cutting power.

The gearbox boosts the cutting power level up to a massive 378 Nm (66 kW). The integrated puller/infeeder is available with belt lengths of 600 mm, 800 mm or 1000 mm.

This is the machine for the heaviest plastic pipes as well as solid cured rubber profiles.

Servo-Torq®

Cuffed tube cutters
Ø 25 - 50 mm

Designed for cuffed tube applications such as complex automotive fuel and washer pipes, medical respirator tubing and concertina plumbing pipe.

Three types of technology are available to detect the cuff: digital camera, optical sensor and laser.

Our specially developed software ensures accurate cutting on the cuff. A number of different cut lengths can be handled per corrugation chain, along with several scrap lengths.

Servo-Torq®

Rim block, gel & soap cutters

Designed for high-speed cutting in-line after the plodder extruder. We can supply machines to handle up to four lanes of product. Output rates of up to 600 cuts/minute are possible per lane.

All machines are engineered with stainless fabrications for a hygienic, rust-free, easy-clean, finish.

Servo-Torq®

Food extrusion cutting

These machines are optimised for food extrusion cutting. This means stainless steel construction, industry-standard hygienic designs, an integrated dust extraction system, heat resistant components and the ability to operate with multiple lanes of extruded food product.

Products as varied as toasted flat bread, croutons, bread-sticks and Crostini can be cut with our system.

Servo-Torq®

Cutters for dog chews & dental sticks

With cutting capacities up to 150 mm wide, one machine to handle single or multiple ropes. When larger sizes are being extruded we can supply a twin cutter system.

All machines are finished in stainless steel and built to the highest food-quality hygiene standards.

www.gillardcutting.com
Circular blade cutters & saws

To accompany our range of fly-knife rotary cutters we also have an extensive selection of circular blade cutting systems for tougher extruded products.

**Travelling saws**
Servo motor driven moving carriage

Ø 50 - 100 - 150 mm

These up-stroke saws are designed for cutting rigid plastic pipe and profile. The moving carriage is powered by an AC servo motor.

The fully adjustable clamp system guarantees a square cut end, while the swarf extraction system keeps the cut end clean. The optional swivel cutter head allows angled cuts ends to be achieved. A range of tilt tables are available to go after the saw to collect the cut lengths.

**Braid-Cut™ MT** - cut stainless steel braided PTFE hose cleanly
Ø 25 - 30 mm

The Braid-Cut™ machine cuts through stainless braided PTFE hose cleanly with no wire flare.

Tungsten Copper alloy electrode jaws clamp the hose while the toothless circular blade cuts through. An integral welding head is used to fuse the wire ends together.

The PTFE inner hose is left with a perfect cut finish. There are no loose ends of wire to worry about. Ferrules or clamping caps can be easily fitted, with no snagging.

**Braid-Cut™ HD** - for larger stainless steel braided PTFE & rubber hoses
Ø 40 - 50 mm

The Braid-Cut™ HD is the heavy-duty version of our standard Braid-Cut™ machine. It is designed for larger outer diameter hoses, particularly rubber hoses with stainless steel braiding.

**Conveyor collection systems**

A conveyor belt positioned after the cutter will automate cut piece collection. It can also give improved cut length accuracy and cut quality.

They can also help with quality control by automatically separating scrap product from good cut pieces.

The most popular type of collection system uses the high pressure air jet option, where cut lengths are blown off the side of the belt.

The air nozzle design spreads the air blast over the widest area, to ensure a smooth discharge of the cut lengths into the collection bin. The nozzles are also adjustable in direction so they can be moved to handle different sizes and weights of extrusion.

Mechanical plough and push-off arms are also available. Multiple bin collection systems can be configured, with separate zones for collecting scrap product.

<table>
<thead>
<tr>
<th>Belt width:</th>
<th>Belt length:</th>
<th>Collection methods:</th>
</tr>
</thead>
<tbody>
<tr>
<td>75, 100, 150, 200, 250, 300</td>
<td>1000, 2500, 3000, 4000, 5000, 6000</td>
<td>High velocity air jet Mechanical sweep arms Plough push-off system</td>
</tr>
</tbody>
</table>
Ideal for smaller flexible and semi-rigid extrusions being pulled at all line speeds. These machines have a compact footprint, so perfect where space is at a premium.

The workhorse machines in our range. They are designed for the majority of pulling requirements. They can handle a wide range of general-purpose extrusion hauling needs. This includes flexible, semi-rigid and rigid hose, pipe and profile.

Low-medium duty pulling
UA50 - UA75
Belt lengths:
250 - 550 mm
Ideal for smaller flexible and semi-rigid extrusions being pulled at all line speeds. These machines have a compact footprint, so perfect where space is at a premium.

Medium-heavy duty pulling
UA95 - UA150
Belt lengths:
600 - 800 - 1000 - 1500 mm
The workhorse machines in our range. They are designed for the majority of pulling requirements. They can handle a wide range of general-purpose extrusion hauling needs. This includes flexible, semi-rigid and rigid hose, pipe and profile.

Extra-heavy duty pulling
UA225 - UA300
Belt lengths:
1000 - 1300 - 1800 mm
Designed for the toughest pulling jobs. These haul-offs are intended for heavier wall rigid pipe and profile.

- Digital AC servo drive technology from Lenze.
- Siemens colour touch-screen control panel.
- Twin direct-drive AC servo motors with zero backlash planetary gearboxes.
- Two AC drives for the ultimate in belt speed synchronisation and control.
- Ultra-precise digital belt speed adjustment.
- Poly-vee belt design with a wide range of belt coverings.

<table>
<thead>
<tr>
<th>Model</th>
<th>Belt width (mm)</th>
<th>Belt length (mm):</th>
<th>Motor size AC Servo (Nm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA50</td>
<td>50</td>
<td>250</td>
<td>2 x 1.5</td>
</tr>
<tr>
<td>UA75</td>
<td>75</td>
<td>550</td>
<td>2 x 2.3 (3.8)</td>
</tr>
<tr>
<td>UA95</td>
<td>95</td>
<td>600, 800, 1000, 1500</td>
<td>2 x 2.3 (3.8)</td>
</tr>
<tr>
<td>UA150</td>
<td>150</td>
<td>600, 800, 1000, 1500</td>
<td>2 x 2.3 (3.8)</td>
</tr>
<tr>
<td>UA225</td>
<td>225</td>
<td>1000, 1300, 1800</td>
<td>2 x 3.8 (4.5)</td>
</tr>
<tr>
<td>UA300</td>
<td>300</td>
<td>1000, 1300, 1800</td>
<td>2 x 3.8 (4.5)</td>
</tr>
</tbody>
</table>

Committed to Extrusion Cutting Excellence Established 1968

Gillard Cutting Technology
Alexandra Way
Ashchurch Business Centre
Tewkesbury, Gloucestershire
GL20 8NB, England

Tel: +44 (0) 1684 290 243
Email: sales@gillardcutting.com
Web: www.gillardcutting.com

Servo-Torq®, Accra-Feed™, Accra-Pull™ & Braid-Cut™ are trademarks or registered trademarks of Peter Gillard & Co. Limited. Kevlar® is a registered trademark of E.I. du Pont de Nemours and Company. Gillard Cutting Technology is a trading name of Peter Gillard & Co. Limited. © 2018 Peter Gillard & Co. Limited. All rights reserved. Specifications are subject to change without prior notice.