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# Table of Contents

A History of Innovation ........................................ 2

**Custom Plastic Solutions**
- Custom Services ............................................. 3-4
- Custom Plastic Tubing, Chuting, Profiles .................. 5

**Materials Selection** ........................................... 6
- UHMW/PE
- Polyurethane
- Nylon
- ABS
- HDPE
- LLDPE
- PVC
- Polypropylene
- CAB
- PVDF
- Polycarbonate

**Standard Solutions**
- Screw Conveyor Flight Edging .............................. 7-8
- UHMW/PE Guide Rails-Aluminum ......................... 9-11
- UHMW/PE Guide Rails-Stainless Steel .................... 12-14
- UHMW/PE Wear Covers ................................. 15-24
  - Round Bar Covers ........................................ 15
  - Half Round Bar Covers .................................. 16
  - C Profile Shapes ......................................... 17-19
  - J Profile Shapes ......................................... 20-22
  - U Channels ................................................ 23-24
- Neck guides .................................................... 25
- Chain Track & Inserts ...................................... 25-26
- Polyurethane Spiratite Roller Covers .................... 27-29
- UHMW/PE Roller Sleeves .................................. 30
- Spiral Wrap ...................................................... 31-32
The Spiratex Company was founded in 1955 by Hugh Archer and Harold McDonald in Dearborn, Michigan. In the beginning, we designed and built specialized mechanical and electrical devices, and laboratory instruments. In 1958, we invented a Continuous Coiling Machine to automatically coil Butyrate Strip, also known as spiral wrap. The strip had to have very tight tolerances in order to coil correctly. Not able to find anyone to do it, we extruded our own with our first Screw Extruder and began selling Spiral Wrap. Our venture into custom thermoplastic extruding began.

In the early 1960’s, we developed our own Ram Extrusion Process as our plastic extruding business took off. At this time we had both Screw and Ram capabilities, which gave us the diversity to provide a greater service in the extrusion industry. By the 1980’s, our business had become so large that we purchased a second facility and have since moved twice more to accommodate our growth.

As the years progressed, Spiratex became known as an eager and innovative company that never shied away from a challenge. We have been called upon by Dow and DuPont for assistance developing extrusion grade plastics and we have heralded many “firsts” in the extrusion industry; first to extrude a UHMW/PE Profile, first to extrude a 12” OD X 6.5” ID UHMW/PE Tube, first to extrude lubricated UHMW/PE and many more.

Today, Spiratex runs 130 Ram and Screw extrusion machines 24 hours a day. Our employee-owned company prides itself on its exemplary work ethic and dedication to problem solving in all industries. It is our goal to make things easy for the customer and our ambition to be known as the experts among extruders.
Since 1955, we have been designing and building dies for our customers. It is easy for us to make it easy for you. Send us a drawing or sample, or we will come out to assist with the design of the part that will work best for you. We will also fabricate your part so that it comes to you ready to install.

Spiratex Custom Extrusions have a higher quality finish because we have been perfecting our process for over 50 years. You won’t see any ram lines or imperfections in our product. We have over 130 extrusion machines which allow us to run your part faster. Our machines run 24 hours a day.

Spiratex will build your tooling with a one-time fee. Over time that fee pays for itself in lower maintenance and replacement costs. Your part fits perfectly and adds value to your total product.

We have manufacturing capabilities with over 20 plastic materials. With this wide range of choices, we can help you determine the most cost effective and efficient material for your project. Also consider letting us design your part to snap on rather than screw on to save you time and money.
Let our fabrication department save you time and money. If tooling is cost prohibitive or production volume doesn’t warrant a molding die, consider having your part extruded and fabricated. It can be produced much quicker, and the cost is often considerably less than traditional molding costs; especially for materials that are not readily moldable such as UHMW/PE. We will drill, cut, mill, and apply adhesives. All you have to do is install.

Engineering Assistance

Spiratex engineers are eager and available to assist you with your project. We have worked closely with raw material suppliers to develop solutions in extruded plastic and helped major OEM’s solve problems with plastic selection and part design. Our engineers will tackle the most difficult projects.

Custom Colors

Depending on the material choice, Spiratex will manufacture your part in whatever color suits you. From opaque to transparent, we give you what you want.

Fabrication

Let our fabrication department save you time and money. If tooling is cost prohibitive or production volume doesn’t warrant a molding die, consider having your part extruded and fabricated. It can be produced much quicker, and the cost is often considerably less than traditional molding costs; especially for materials that are not readily moldable such as UHMW/PE. We will drill, cut, mill, and apply adhesives. All you have to do is install.
Spiratex makes tubing with many different materials in many different sizes and durometers. Extruding tubes is often less expensive than machining or casting and will turn out a better finished product in the exact dimensions you need.

**Custom Chuting**

Let Spiratex custom design your chuting and we will guarantee that it will feed your part with ease.

Although we use many plastics; UHMW/PE, Polyurethane, PVC, and LLDPE are the most common materials used for chuting.

**Custom Profiles**

Our profile extrusions are made to exact specifications. We will extrude the most difficult shapes with ease. We were the first to extrude a UHMW/PE profile in the early 60's, and we continue to offer the highest quality shapes today.
Spiratex Custom

**Materials Available**

- Polyurethane; Ether and Ester based
- Nylon; 6, 6/6, 11 and 12
- ABS
- Polypropylene
- CAB
- Polycarbonate
- PVDF
- PVC - Flexible and Rigid
- HDPE - High Density Polyethylene
- LLDPE - Linear Low Density Polyethylene
- UHMW/PE; Lubricated, UV Stabilized, Anti-Static, Mechanical Grade, Enhanced Conductivity, Extended Wear, Ceramic Filled, Graphite Filled, High Temp, Fibrous Glass Filled, Glass filled, Fibrous Glass Filled, Molybdenum Filled, Boron Nitride, Antimicrobial

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Spiratex Specializes in Spirals and Curves
Screw Conveyor Flight Edging

Estimating the footage required to cover a screw section

**Standard single/full pitch screw**
(The pitch is equal to the screw diameter)

Flight edging required (ft) = 3.4 X length of screw (ft)

**Half pitch screw**
(The pitch is equal to half the screw diameter)

Flight edging required (ft) = 6.7 X length of screw (ft)

**Special Screw Configurations**
(Undetermined and variable screw pitches)

Flight edging required (ft) = 0.283 X screw diameter (in) X turns
## Screw Conveyor Flight Edging

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<th>Flight thickness (inches)</th>
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<th>Minimum Coil O.D. (inches)</th>
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Guide and Support Rail
Assembled Aluminum/UHMW/PE

Custom colors and sizes available 734.722.0100
Wear Covers and Inserts

UHMW/PE

- Creates a non-marring surface to guide and support
- Excellent wear resistance
- Low coefficient of friction creates anti-stick surface
- Can be assembled with Aluminum Guide Rails

**Wear Covers and Inserts**

**UHMW/PE**

For AR-40, AR-50 Rail

**For AR-30 Rail**

For AR-20 Rail

For AR-40, AR-50 Rail

For AR-60 Rail

For AR-20 Rail

For AR-30 Rail

For AR-40 Rail

Custom colors and sizes available  734.722.0100
Guide and Support Rails
Aluminum

- High quality rugged alloy aluminum
- Provides lightweight structural support
- Can be assembled with UHMW/PE Wear Cover

Custom colors and sizes available  734.722.0100
Stainless Steel Locking Insert Guide Rails

UHMW/PE

- Locking design adds strength, prevents insert from sliding
- Low friction, wear resistant, non-marring guide and support
- Noise reducing ultra smooth surface finish
- USDA and FDA compliant
- Can be rolled into curves

Standard material is white UHMW/PE cut to 10 or 20 foot lengths. Easily available with Anti-Static, Lubricated, and Anti-Microbial additives.

Standard Solid RS Series

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Custom colors and sizes available  734.722.0100
Stainless Steel Guide Rail

UHMW/PE

- Low friction, wear resistant, non-marring guide and support
- Noise reducing ultra smooth surface finish - no Ram lines
- Easily welded in place with 14 gauge sheath
- USDA and FDA compliant
- Manufactured using 304 stainless steel

Standard material is white UHMW/PE cut to 10 or 20 foot lengths. Easily available with Anti-Static, Lubricated, and Anti-Microbial additives.
Stainless Steel Guide Rail

UHMW/PE   ...continued

Custom colors and sizes available   734.722.0100
Wear Cover

UHMW/PE

Round Bar Cover

- Low friction, wear resistant surface to cover round bar
- Protective and decorative
- Often used as a spacer to hold opposing bar in place
- Ultra smooth surface finish

Standard UHMW/PE wear strips (full/half rounds) are white and come in 10ft. and 20ft. lengths. Easily available with Anti-Static, Lubricated, and Anti-Microbial additives.

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Custom colors and sizes available  734.722.0100
Wear Cover
UHMW/PE
Half Round Bar Cover

Custom colors and sizes available  734.722.0100
Wear Strips

UHMW/PE

C Profiles

- Low friction, wear resistant, non-marring protective cover
- Reduces noise
- Ultra smooth surface finish - no Ram lines
- Can be used with Aluminum extrusions on page 10
- Impervious to moisture

Standard UHMW/PE wear strips/C shapes are white and come in 10 ft. and 20 ft. lengths. Easily available with Anti-Static, Lubricated, and Anti-Microbial additives.

SPX 1002849  
CAT CC-012-087-F  
AR-20 Assembly

SPX 1002628  
CAT CC-012-087  
AR-20 Assembly

SPX 1002641  
CAT CC-025-100  
Fits 1/4" x 1" Bar

SPX 1760731  
CAT CC-019-100  
Fits 3/16" x 1" Bar

SPX 1952103  
CAT PC-025-150  
Fits 1/4" x 1 1/2" Bar

SPX 1780875  
CAT PF-875  
Fits 1 1/4" x 3/16" Bar

SPX 1831156  
CAT PF-1156  
Fits 1 1/2" x 3/16" Bar

Custom colors and sizes available  734.722.0100
Wear Strips

UHMW/PE

C Profiles...continued

SPX 1002639
CAT CB-025-200
Fits 1/4" x 2" Bar or AR-60 Aluminum Rail

SPX 1012738
CAT CC-025-200
Fits 1/4" x 2" Bar or AR-60 Aluminum Rail

SPX 1012764
CAT CA-050-200
Fits 1/2" x 2" Bar

SPX 1022870
CAT CC-050-025
Fits 1/2" x 1/4" Bar

SPX 1022871
CAT CC-100-025
Fits 1" x 1/4" Bar

SPX 1002638
CAT CB-050-150
Fits 1/2" x 1 1/2" Bar

SPX 1012722
CAT PF-2722
Fits 1/2" x 1" Bar

SPX 1012724
CAT PF-1845
Fits 9/16" x 1 1/8" Bar

SPX 1002638
CAT CB-050-150
Fits 1/2" x 1 1/2" Bar

SPX 1012755
CAT CB-100-100
Fits 1" x 1" Bar

SPX 1032876
CAT CC-125-125
Fits 1 1/4" x 1 1/4" Bar

Custom colors and sizes available

734.722.0100
Wear Strips

UHMW/PE

C Profiles...continued

- SPX 1022866
  CAT CC-150-150
  Fits 1 1/2” x 1 1/2” Bar
  $1.50

- SPX 1012709
  CAT CC-150-200
  Fits 1 1/2” x 2” Bar
  $2.00

- SPX 1063588
  CAT CC-200-200
  Fits 2” x 2” Bar
  $2.00

- SPX 1962203
  CAT LD-10
  Cover for Lane Divider AR-70
  $2.04

Custom colors and sizes available  734.722.0100
Wear Strips
UHMW/PE
J Profiles

- Low friction, wear resistant cap clips on flat bar material
- Reduces noise
- Provides belt and chain support and edge protection
- Ultra smooth surface finish

Standard UHMW/PE wear strips/J shapes are white and come in 10 ft. and 20 ft. lengths. Easily available with Anti-Static, Lubricated, and Anti-Microbial additives.

**JC Series**

Profiles have a 1/8" wear surface and fit 11 or 12 gauge sheet metal or 1/8" bar stock.

- SPX 1982351
  - CAT PC-2351
- SPX 1012768
  - CAT PC-2768
- SPX 1002631
  - CAT JC-012-075
- SPX 1053415
  - CAT JC-012-087-C
- SPX 1002634
  - CAT JC-012-087-H
- SPX 1002629
  - CAT JC-012-100

Custom colors and sizes available 734.722.0100
Wear Strips
UHMW/PE

J Profiles...continued

SPX 1002632
CAT JC-012-100-C

SPX 1002633
CAT JC-012-100-E

SPX 1002630
CAT JC-012-150

SPX 1002635
CAT JC-012-200

SPX 1002636
CAT JC-012-300

Custom colors and sizes available  734.722.0100
JC Series ...cont.
1/8" wear surface, fits 1/4" Bar

JE Series
3/16" wear surface, fits 11, 12 gauge sheet metal or 1/8" Bar

JF Series
1/4" wear surface, fits 3/16" Bar
U Channel

**UHMW/PE**

- Low friction, wear resistant cap clips on flat bar material
- Provides belt and chain support and edge protection
- Reduces noise
- Ultra smooth finish

Standard UHMW/PE U Channel are white and come in 250 and 500 foot coils. Easily available with Anti-Static, Lubricated, and Anti-Microbial additives.

---

**UHMW/PE**

**Standard Sizes:**
- .13
- .25
- .31
- .38

**Standard Cores:**
- .08
- .13
- .13
- .25

---

**Custom colors and sizes available**

**Contact:** 734.722.0100
U Channel

UHMW/PE...continued

SPX 1002624
CAT UC-0250
For 1/4" Bar

SPX 1002619
CAT UC-0375
For 3/8" Bar

SPX 1032960
CAT UE-0500
For 1/2" Bar

SPX 1022869
CAT PE-2869
For 3/16" Bar

SPX 1022786
CAT PE-2786
For 3/16" Bar
For Chain w/Hold Down Tab

SPX 1032898
CAT UE-2898
For 1/16" Bar
16 Gauge Hemmed Steel

SPX 1992446
CAT PF-0125
For 1/8" Bar or
11,12 Gauge Steel

SPX 1962170
CAT UH-0125
For 1/8" Bar or
11,12 Gauge Steel

SPX 1720436
CAT UH-0188
For 3/16" Bar

Custom colors and sizes available 734.722.0100
Neck Guide
**UHMW/PE**

- Carries PET bottles and containers through conveyor lines
- Designed to fit over Bar
- Prevents marring and damage to product
- Long wearing
- USDA and FDA Compliant

![SPX 1012753 CAT PA-2753](image1)
![SPX 1073710 Fits 12 Gauge Steel](image2)

Chain Track
**UHMW/PE**

- Low friction, wear resistant track for chain
- Assures longer lasting, reliable chain guiding
- Reduces noise and drag
- Can be curved

![SPX 1962189 CAT T-2189 #41 Chain Min. - #50 Chain Max](image3)
![SPX 1821147 CAT T-1147 #41 Chain Min. - #50 Chain Max](image4)
![SPX 1780861 CAT T-1206 #41 Chain Min. - #50 Chain Max](image5)

Custom colors and sizes available 734.722.0100
Chain Guide
Assembled UHMW/PE and Aluminum

Aluminum

UHMW/PE Inserts
Spiratite Roller Covers
Polyurethane

- Traction keeps product moving, especially on inclines
- Provides cushion to protect conveyed product
- Reduces noise shown to demonstrate color options
- Cut resistant and long wearing
- Great for upgrading existing conveyors

Spiratex “Spiratite” Roller Cover can be made harder or softer to accommodate many conveying situations such as inclines, drops and chutes, food transfer, and many others. Standard Roller Sleeve is 85A durometer in the color orange.
### Spiratite Roller Covers

**Polyurethane...continued**

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**Custom colors and sizes available**

734.722.0100
Installation

Conveyor Roller Cover

- Insert tubing at junction of roller and cover as shown allowing air to create a bearing plane
- Gently push cover on/off, keeping the air pressure constant between both surfaces.
- Cover will float on air cushion until stream is stopped or detached.
- When correct position is achieved, remove nozzle and trim roller cover.
Roller Sleeves

UHMW/PE “Slip Fit”

- Slips beneath product to eliminate bottlenecks and jams
- Keeps drive motor from becoming overtaxed by relieving line pressure
- Allows product accumulation to protect from marring and damage
- Ultra smooth surface finish
- Longest life of any Roller Cover
- Slips easily over steel roller

Standard color is black

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Roller Sleeves

UHMW/PE “Press Fit”

- Non-Stick surface
- Maximum abrasion resistance
- Protects conveyed product
- Protects steel roller from chemical attack
- Reduces noise

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Custom colors and sizes available  734.722.0100
Spiral Wrap
Butyrate

- Wire and hose protection; bundling/harnessing
- High gloss finish is aesthetically pleasing
- Withstands very cold or hot temperatures
- Excellent for indoor or outdoor use
- Good impact resistance
- Good chemical resistance
- Holds ID shape very well

Standard color is black

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Custom colors and sizes available 734.722.0100
Spiral Wrap

**HDPE (high density polyethylene)**

- Best choice for wire and hose protection in extremely cold temperatures
- Excellent impact resistance
- Light weight and more economical than steel coil sleeves
- Flexible and durable
- Unaffected by air, water, oil, gasoline, hydraulic and most other fluids.
- Environmentally friendly

Spiral Wrap

**Nylon**

- Best choice for wire and hose protection in extremely hot temperatures
- Excellent protective hose guard under auto hoods
- Durable and impact resistant

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