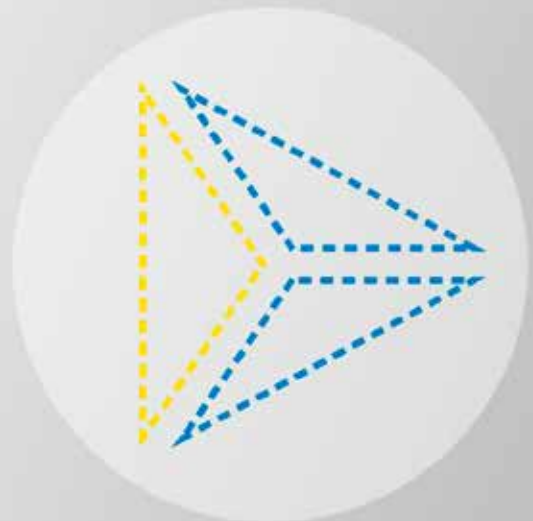
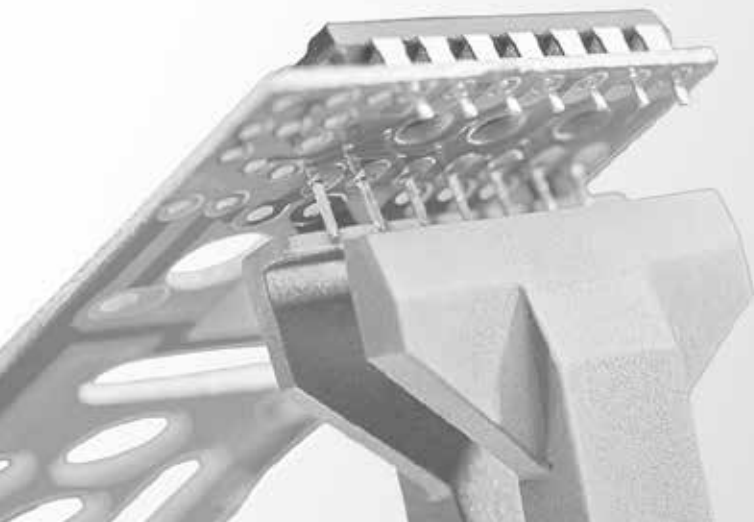




Innovating together



WE DEVELOP THE
TOOLS YOU NEED





Unique Tools For Every Situation

Lindström customers are innovators, pushing the envelope, developing new technologies and building new industries. When presented with a need to prepare prototypes, insert or extract unique components, or cut proprietary hard wire, our customers turn to Lindström for Specially Engineered Tools.

Lindström has developed tools used in specialized applications for the largest names in medical device manufacturing and for small start-up companies developing new technology. Every project receives the same attention to detail for a tool that is right for the job at hand.

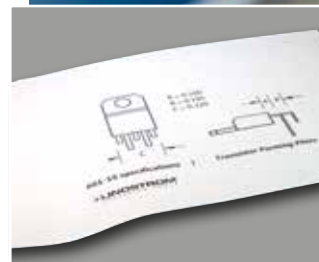
To make the process easy Lindström has no minimum order quantity for Specially Engineered Tools. Our tool designers and manufacturers representatives work directly with production engineers to ensure success. We thrive on solving problems with our customers.

Join our www.lindstromtools.com website in the Customize area to develop your product together with us. You can also contact one of our authorized distributors all over the world or Lindström manufacturers representatives to discuss your special tool requirements.



The Lindström Design Process

The Lindström staff can design special application tools by working with “before” and “after” components, engineering drawings, or prototypes. We even build tools drawn on the back of a napkin. It’s that easy!



A customer provides an idea for a specially engineered transistor tool.



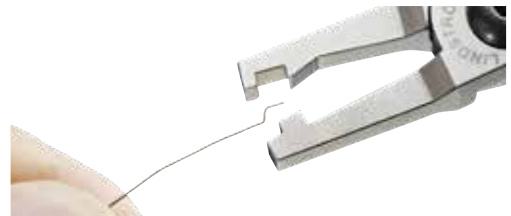
Every project begins with a blank tool.



The tools featured here and on the following pages are a small sample of over 1,500 different designs that we have manufactured so far. Several handle options are available on Special Tools.



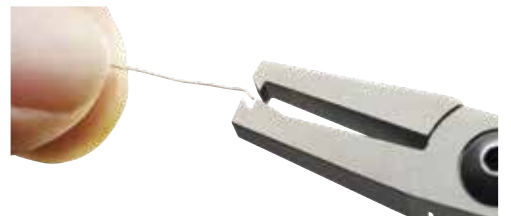
8154PSP precisely trims catheters.



331A-31 bend and cut pliers create precise two-angle bend and cuts lead the same length every time.



RX 601 forming pliers leave a STAND-OFF in wire and on LED leads.



202A cut and clench tools leave a swaged, bent lead that clenches the PCB.



7292MI micro-mini end cutter is used to cut a ground wire inside a mini connector.



Lindström tool designer shapes the tool according to customer specifications.

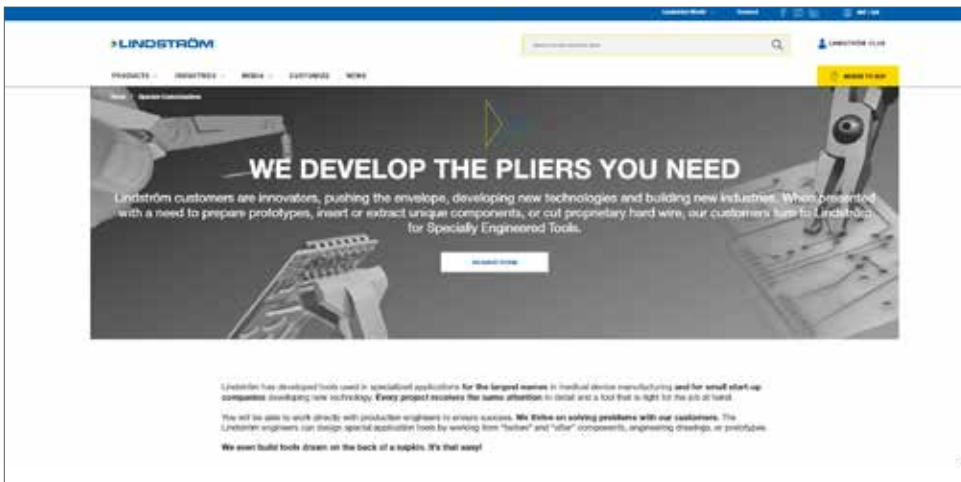


Finished Transistor Forming Pliers RX 601-16 ready for delivery!

Develop Your Customized Precision Cutter

WWW.LINDSTROMTOOLS.COM

The Tool Request Form allows you to customize your product live. In a few steps you will be able to send us your request and our manufacturing reps and engineering team will respond to you to discuss your needs.



IC INSERTION/EXTRACTION TOOLS & IC CUTTERS

IC INSERTION/EXTRACTION TOOL

7992

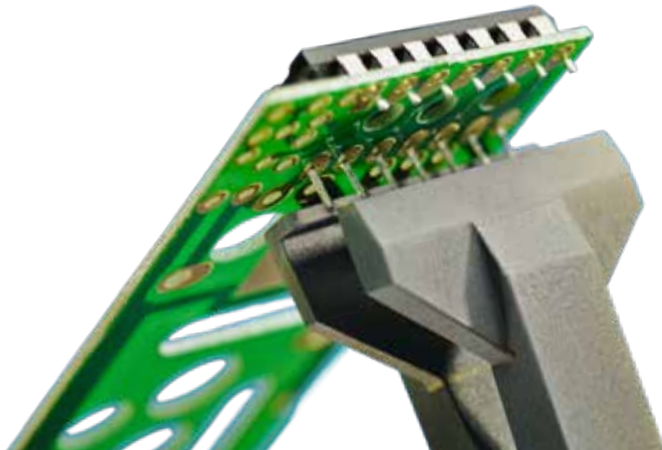
- The 7990-7993 family of insertion tools can be used for ICs or DIPs from 4 pin to 64 pin
- To order, indicate total number of pins on IC/DIP, length and width of package
- Tool length: 4.5 in. / 114.3 mm
- Picture shows 80 Series handle



IC CUTTER

RX 501

- IC cutters can be produced to cut up to 10 pins simultaneously
- STAND-OFF length is typically .040" (1 mm) but can vary according to specifications
- To order, indicate total number of pins on IC and STAND-OFF length. Example: For 14 pin IC, order Part no. 501-14
- Tool length: 6 in. / 152.4 mm
- Tool can be produced with RX, 80 Series or HS handles as specified by end user



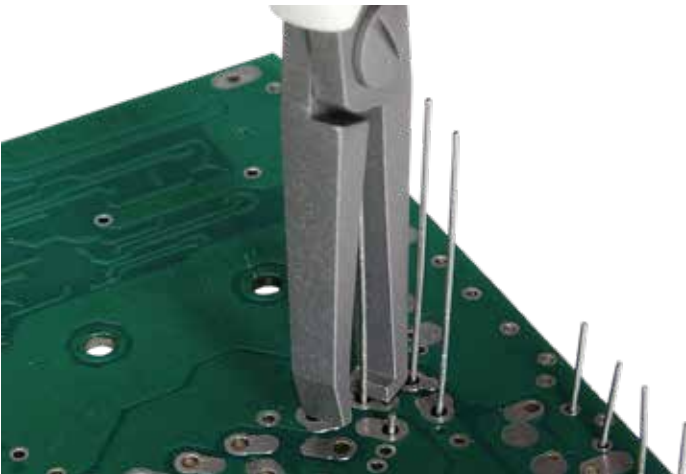
COAXIAL CABLE CONNECTOR TOOL

801C

- Reduces possibility of marred connector threads
- Tool length: 6 in. / 152.4 mm
- Picture shows ESD safe foam handle



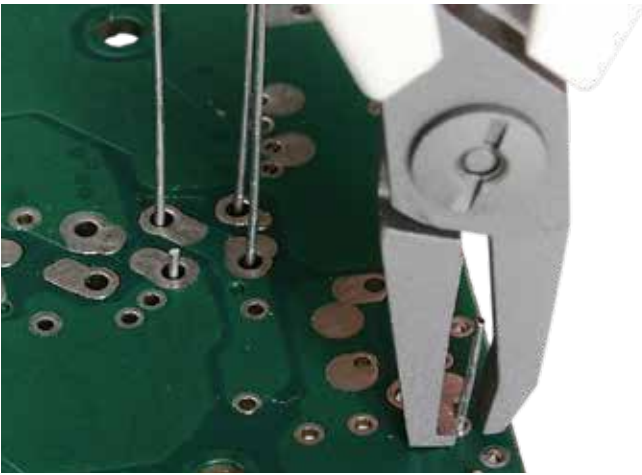
STAND-OFF CUTTERS



STRAIGHT STAND-OFF SHEAR CUTTER .075"

111A

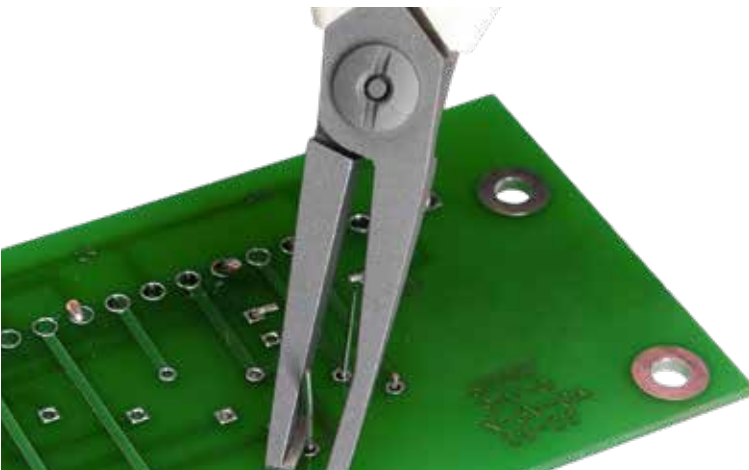
- Uncut lead length capacity: 1.000" / 25.4 mm
- Cuts leads to length as needed
- Standard length is .075" (1.9 mm) but varies according to specifications
- Cutter can be used on 16 AWG (1.295 mm) solid copper and also trims wire wrap pins
- To order other than .075" STAND-OFF, specify length (Example: For .065" STAND-OFF, order Part no. 111A-065)
- Tool length: 6 in. / 152.4 mm
- Picture shows Supreme Series handle



STRAIGHT STAND-OFF SHEAR CUTTER .040"

RX112A

- Uncut lead length capacity: .75" / 19 mm
- Anti-shock lead trimmer for use on 20 AWG (.813 mm) copper wire or smaller
- STAND-OFF is .040" (1 mm) unless otherwise specified
- To order other than .040" STAND-OFF, specify length (Example: For .030" STAND-OFF, order Part no. 112A-030)
- Tool length: 4.5 in. / 114.3 mm
- Picture shows Supreme Series handle



OBLIQUE STAND-OFF SHEAR CUTTER .045"

121A

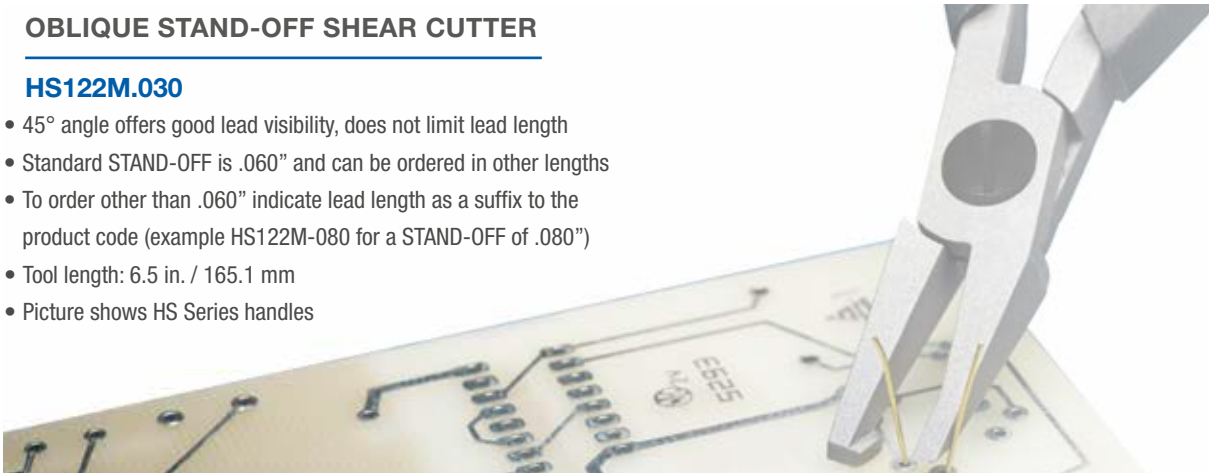
- Similar to 111A, heavy-duty type, featuring a 45° angle to allow clearance for longer lead lengths
- STAND-OFF is .045" (1.14 mm) unless otherwise specified
- To order other than .045" STAND-OFF, specify length (Example: For .035" STAND-OFF, order Part no. 121A-035)
- Tool length: 6 in. / 152.4 mm
- Picture shows Supreme Series handle
- Tool can be produced with RX, 80 Series or HS handles as specified by end user

STAND-OFF CUTTERS

OBLIQUE STAND-OFF SHEAR CUTTER

HS122M.030

- 45° angle offers good lead visibility, does not limit lead length
- Standard STAND-OFF is .060" and can be ordered in other lengths
- To order other than .060" indicate lead length as a suffix to the product code (example HS122M-080 for a STAND-OFF of .080")
- Tool length: 6.5 in. / 165.1 mm
- Picture shows HS Series handles

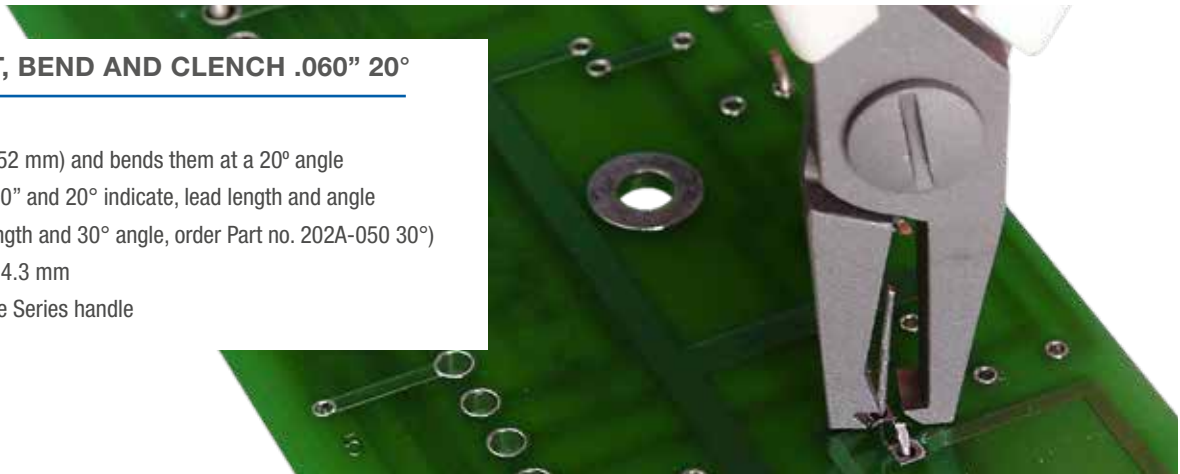


CUT and BEND

STRAIGHT CUT, BEND AND CLENCH .060" 20°

202A

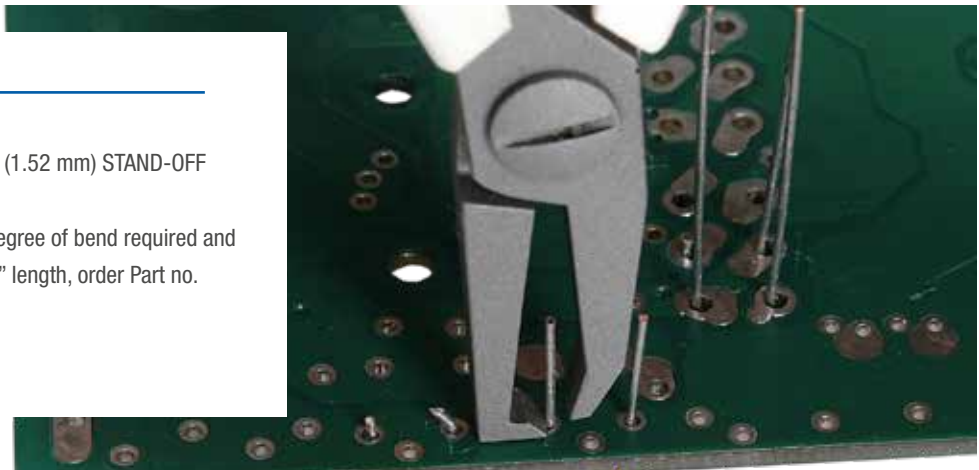
- Cuts leads to .060" (1.52 mm) and bends them at a 20° angle
- To order other than .060" and 20° indicate, lead length and angle (Example: For .050" length and 30° angle, order Part no. 202A-050 30°)
- Tool length: 4.5 in. / 114.3 mm
- Picture shows Supreme Series handle



CUT & BEND .060" 45°

204B

- Bends leads at 45° then cuts, leaving a .060" (1.52 mm) STAND-OFF
- Other angles and lengths are available
- To order other than 45° and .060", indicate degree of bend required and lead length (Example: For 40° angle and .050" length, order Part no. 204B-050 40°)
- Tool length: 4.5 in. / 114.3 mm
- Picture shows Supreme Series handle

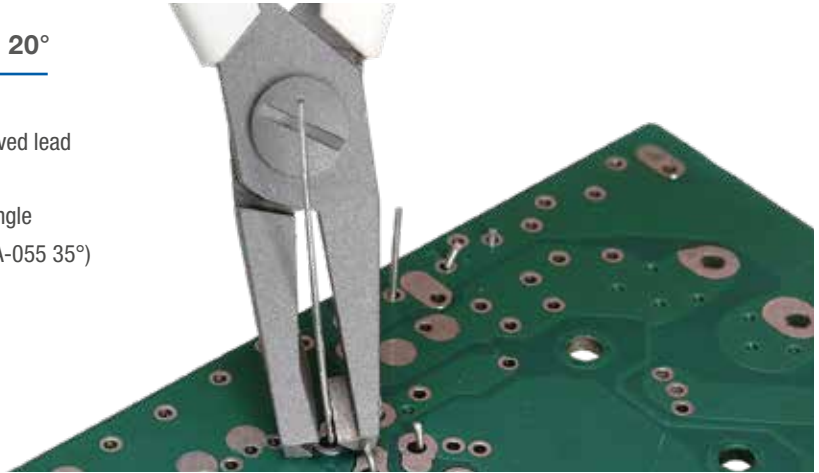


CUT and BEND

OBLIQUE CUT, BEND AND CLENCH .060" 20°

212A

- Similar to a 202A featuring an oblique angle that offers improved lead visibility and accommodates longer leads
- To order other than .060" and 20°, indicate lead length and angle (Example: For .055" length and 35° angle, order Part no. 212A-055 35°)
- Tool length: 6 in. / 152.4 mm
- Picture shows Supreme Series handle



CUT and FORM

CUT AND FORM – UP TO 16 AWG

331A

- Cuts leads and forms dogleg on solid copper as large as 16 AWG (1.295 mm)
- To order, furnish component or rough drawing indicating lead length, radii, diameter and bend locations
- Tool length: 6 in. / 152.4 mm
- Picture shows Supreme Series handle



CUT AND FORM – UP TO 16 AWG

341A

- Cuts leads to length and forms stress relief on component leads up to 16 AWG (1.9 mm) solid copper
- To order, furnish component or rough drawing indicating lead length, radii, diameter and bend location
- Tool length: 6 in. / 152.4 mm
- Picture shows Supreme Series handle



LEADFORMERS

FLAT PACK LEADFORMER

304D

- Cuts and forms multi-lead flat packs
- To order, indicate length from component body to bend, angle of bend and length of tail
- Tool length: 6 in. / 152.4 mm
- Picture shows RX Series handle



LEADFORMER – STRESS RELIEF UP TO 16 AWG

601A

- Forms leads for stress relief up to 16 AWG (1.9 mm) solid copper
- To order, indicate lead length (minimum/maximum) from component body to P.C. board and lead diameter
- Tool length: 6 in. / 152.4 mm
- Picture shows Supreme Series handle



45° OBLIQUE LEADFORMER – UNLIMITED LENGTH

614A

- Adds stress relief to leads in high density board population applications
- Allows unlimited lead length forming with high visibility
- To order, indicate lead length (minimum/maximum) from component body to P.C. board and lead diameter
- Tool length: 6 in. / 152.4 mm
- Picture shows Supreme Series handle



PERFORMANCE SPECIFIC CUTTERS

CUTTER

RX 8140PS

- Made for hard wire applications
- Medical device manufacturing of pacemakers, coils, stents, catheters
- PS cutting edge technology available on many different models and 8130-8160 sizes
- Picture shows RX Series handle



CUTTER

RX 8140PSF

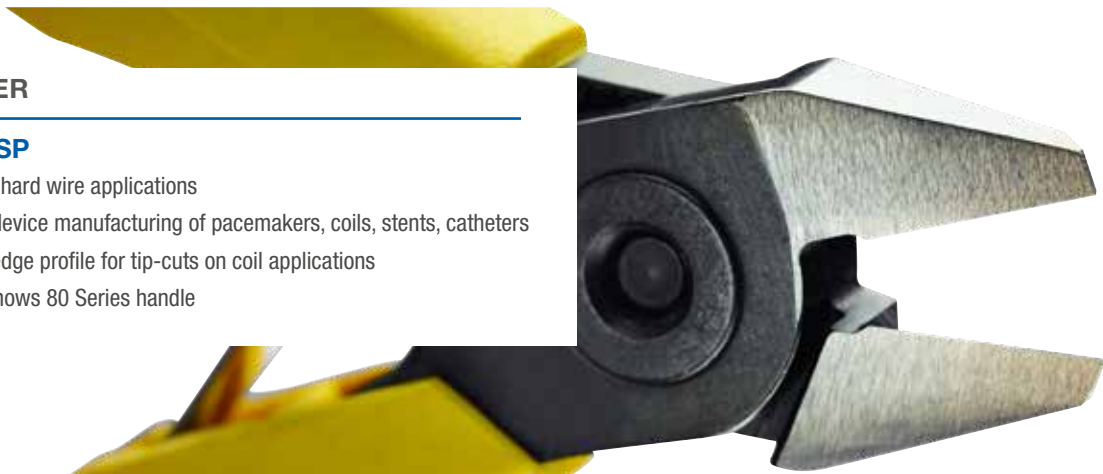
- Made for hard wire applications
- Medical device manufacturing of pacemakers, coils, stents, catheters
- PSF cutting edge technology available on many different models and 8130-8160 sizes
- Picture shows RX Series handle



CUTTER

8154PSP

- Made for hard wire applications
- Medical device manufacturing of pacemakers, coils, stents, catheters
- Durable edge profile for tip-cuts on coil applications
- Picture shows 80 Series handle

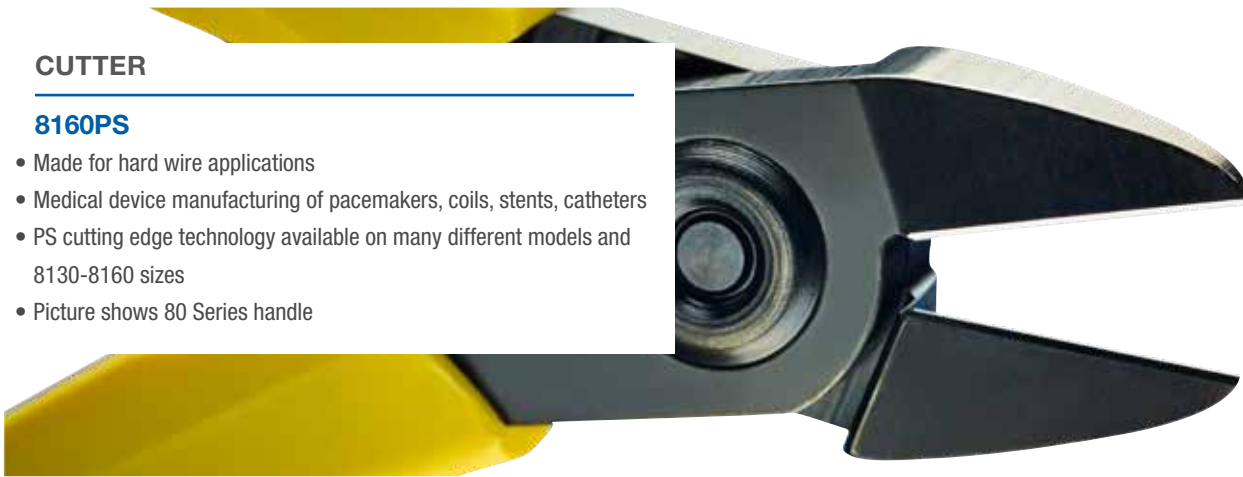


PERFORMANCE SPECIFIC CUTTERS

CUTTER

8160PS

- Made for hard wire applications
- Medical device manufacturing of pacemakers, coils, stents, catheters
- PS cutting edge technology available on many different models and 8130-8160 sizes
- Picture shows 80 Series handle



CUTTERS

MICRO-MINI END CUTTER

7292MI

- Specially engineered mini end cutter
- For micro-applications where access is a concern
- Designed to customer specifications
- Picture shows Supreme Series handle



CUSTOM FORMING PLIERS

CUSTOM LEADFORMER

RX 601-16

- Specially engineered leadforming pliers
- Turns 5 equal-length leads into 3 long and 2 short leads
- Typically used on transistors
- Picture shows RX Series handle



For more than forty years, Lindström cutters have been used to manufacture pacemakers, stents, catheters, guidewires and more. Lindström's technological improvements are driven by our customer's applications that demand reliable, precise and versatile tools. Lindström launching a range of cutters that perform to the specifications of manufacturers using a wide variety of hard materials such as platinum, nitinol, stainless steel, titanium, as well as proprietary meshes and weaves.



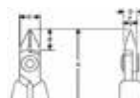
Designed to Cut Guidewires, Catheters & Fine Trimming of Stents



7154TC Carbide Insert Cutter

Lindström introduces a specially engineered diagonal cutter for hard wire applications. This new Tungsten Carbide Cutter is designed to provide consistent, precise flush "Tip Cuts" on guidewires, catheters and fine trimming of stents.



- Carbide Insert Cutters suitable for hard wire materials such as Nitinol, Stainless Steel and Titanium
- High performance alloy steel material provides strength and reliability
- Precision screw joint minimizes friction while maximizing cutting edge and tip alignment
- ESD Safe, comfortable synthetic handles with return spring for smooth operation
- Polished, natural finish provides protection against oxidation
- Cutting capacity hard wire from 0.10 mm to 0.40 mm / 0.004 in - 0.016 in => 0.2 mm - 0.008 in, in the tip
- 8154PSP designed for soft materials



Part No.			A mm / in	B mm / in	C mm / in	D mm / in	F mm / in	Soft Wire Cap. mm / in	Hard Wire Cap. mm / in	Head Size
7154TC	Tapered	Flush	112.5 / 4.43	130.0 / 0.51	125.0 / 0.49	6.0 / 0.24	2.0 / 0.08	0.1-0.9 / 0.004-0.03	0.1-0.2 / 0.004-0.01	M
8154PSP	Tapered	Flush	112.5 / 4.43	130.0 / 0.51	125.0 / 0.49	6.0 / 0.24	2.0 / 0.08	0.2-1.6 / 0.01-0.06	-	M

M = Medium

Improper use may cause the breakage of the Carbide inserts. Handle with care

To learn more about our Medical Range, join our website www.lindstromtools.com