

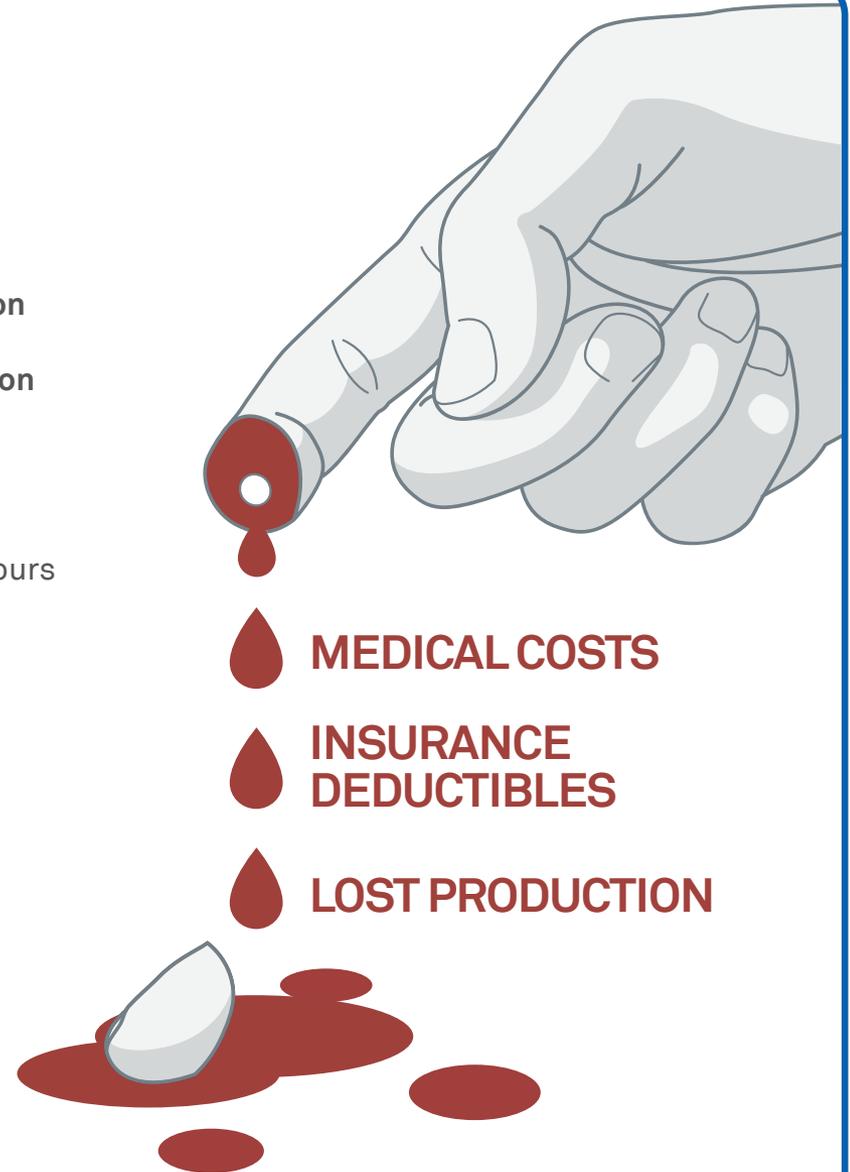


**DALTON  
SAFETY**

**QUALITY SAFETY SOLUTIONS**

# Injuries are costly

- On average a laceration can cost a business **£5000** and for so many it's much more
- In 2018-2019 over **992,000** people visited A&E for a laceration
- In 2019-2020 over **1 million** people visited A&E for a laceration
- From 2016-2020 there has been a **38% increase** in A&E visits for lacerations
- Over **60%** of A&E visits for lacerations are within working hours
- **Wound care costs the NHS over 5.3 billion annually**
- A laceration that heals efficiently costs the NHS **£800**
- A laceration that does not can cost the NHS up to **£4,500**
- When the injured person receives NHS treatment, but is not admitted to hospital, the charge is increased from **£744 to £766**
- The daily charge for NHS inpatient treatment is increased from **£915 to £941**



(Published by NHS Digital part of the Government Statistical Service)

**#1 injury with knives = lacerations**



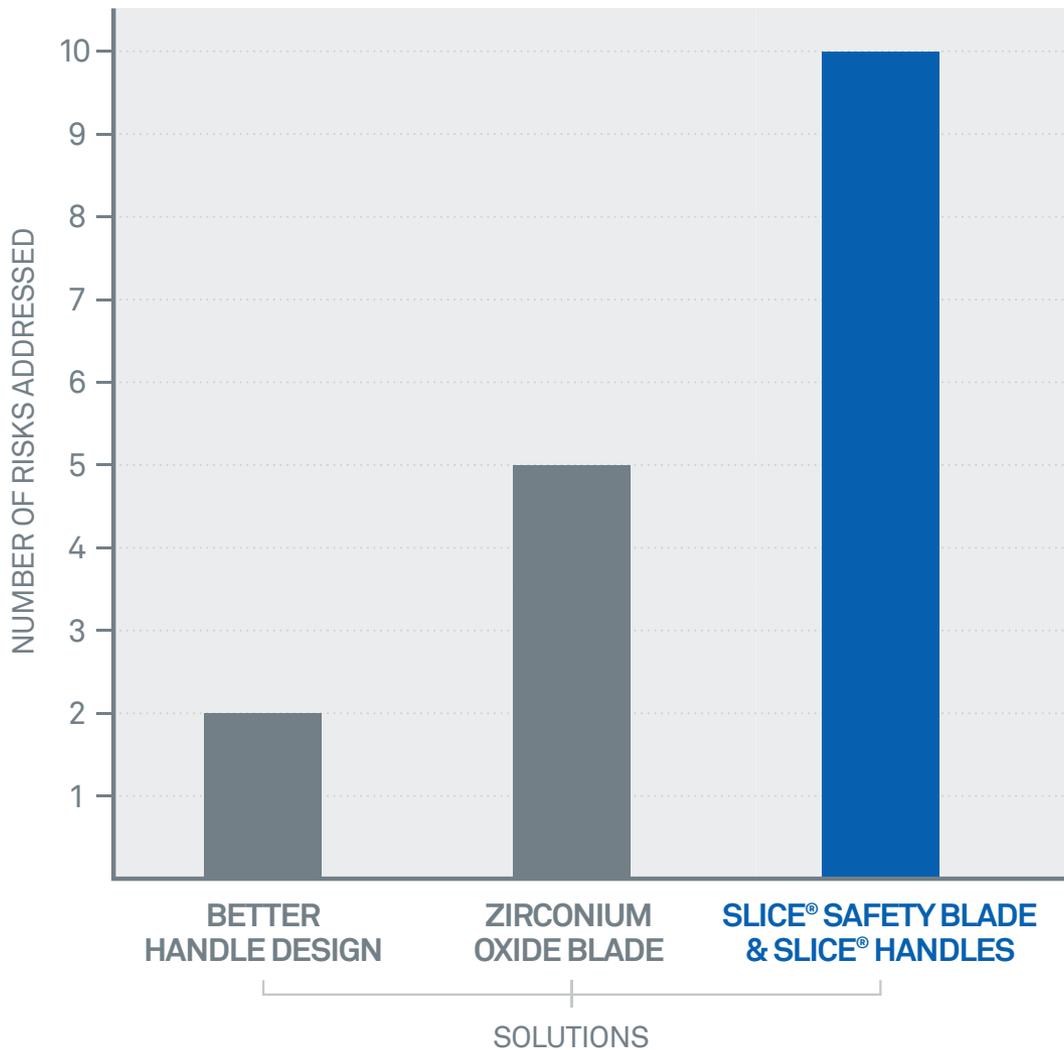
how do you prevent them?

**a safer knife.**



**A closer look**

# Other companies only offer partial solutions



## 10 MAIN RISKS FROM KNIVES

- 1 Blade too sharp or too dull  
= Laceration
- 2 Blade's oil coating  
= Chemical reaction
- 3 Non-ergonomic handle  
= Repetitive strain injury
- 4 Conductive blade  
= Damage to electrical components
- 5 Frequent blade replacement  
= Laceration
- 6 Chemically reactive blade  
= Damage to materials
- 7 Blade exposure between cuts  
= Laceration
- 8 Rusty blade  
= Chemical reaction, tetanus
- 9 Magnetic blade  
= Damage to materials
- 10 Blade maintenance required  
= Laceration

# Hazards reduced by using advanced ceramics instead of metal



zirconium oxide



requires no oil coating



is non-sparking  
and non-conductive



is chemically inert, so won't  
react with cutting material



never rusts



is non-magnetic



requires less maintenance  
for some brands,  
no maintenance for others



**But not all ceramics are equal.  
Slice<sup>®</sup> blades are unique.  
here's why.**

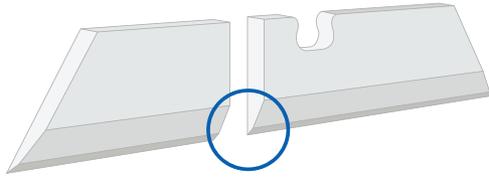
# Our blades are finger friendly<sup>®</sup>



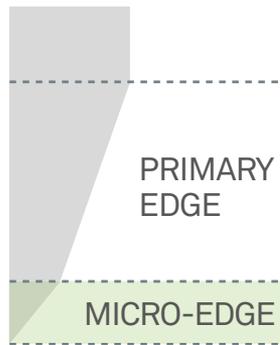
WATCH THE  
SAFETY BLADE  
IN ACTION

# Shorter initial cutting zone

slice®



CROSS SECTION OF BLADE

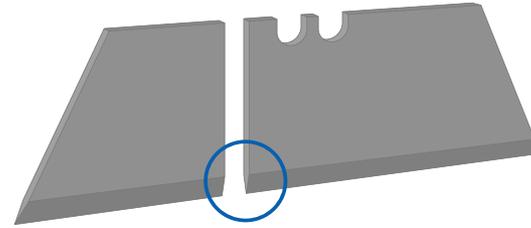


PRIMARY EDGE

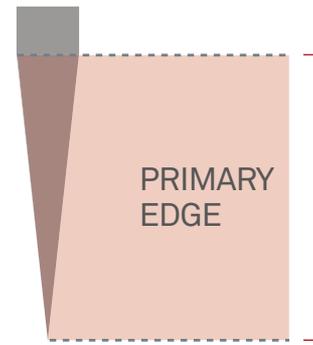
INITIAL CUTTING ZONE

MICRO-EDGE

TRADITIONAL



CROSS SECTION OF BLADE

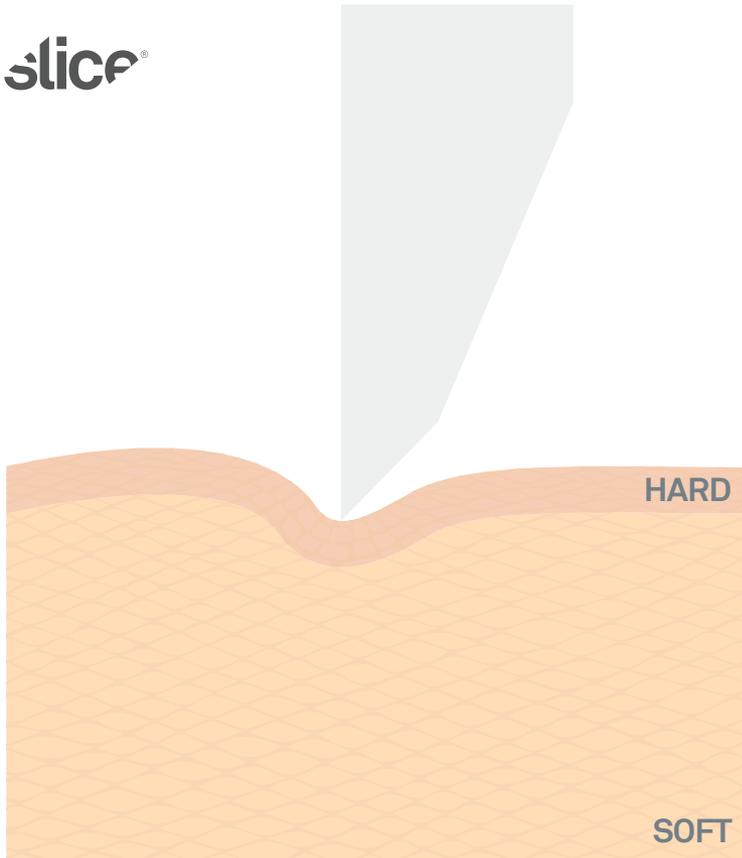


PRIMARY EDGE

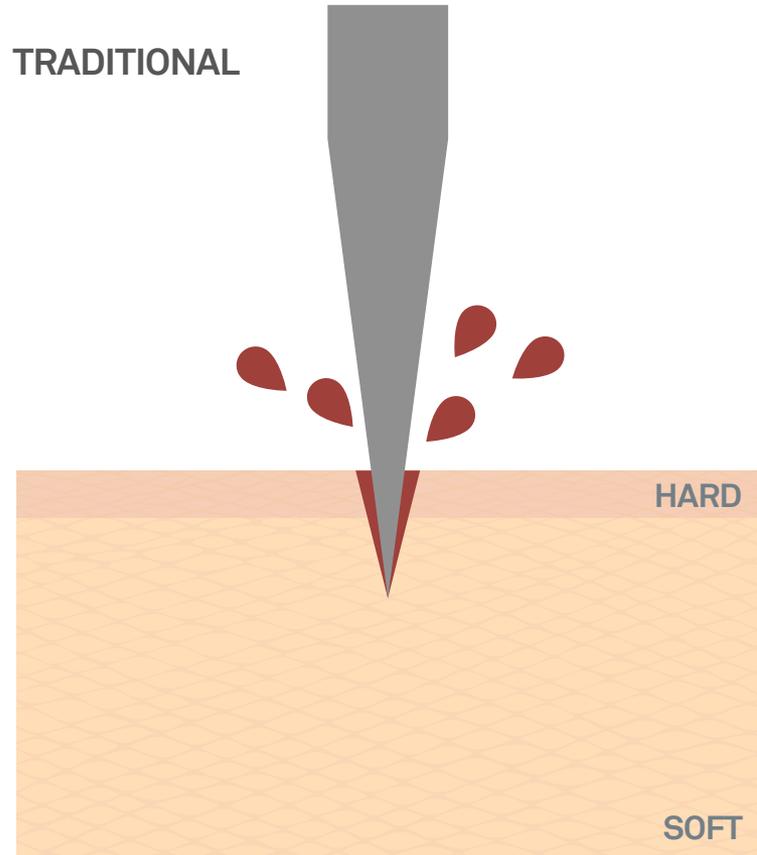
INITIAL CUTTING ZONE

# Dispersal of force on skin

slice®



TRADITIONAL



# Slice® & cut resistant gloves

	 ANSI <b>A1</b> CUT rated for 200-499 g	 ANSI <b>A2</b> CUT rated for 500-999 g	 ANSI <b>A3</b> CUT rated for 1000-1499 g	 ANSI <b>A4</b> CUT rated for 1500-2199 g	 ANSI <b>A5</b> CUT rated for 2200-2999 g
 <b>slice® blade</b>					
 <b>traditional blade</b>					

 blade penetrates glove    
  blade partially cuts glove    
  blade does not cut glove

Testing by MEIC, 2017

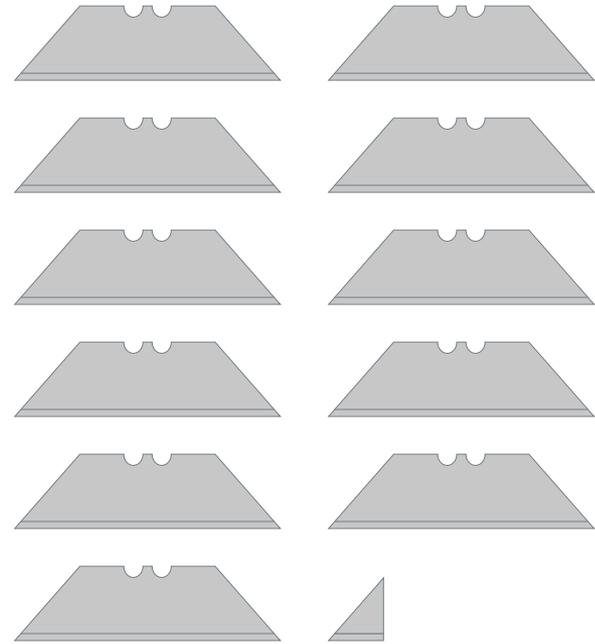


 LEARN MORE

# Slice<sup>®</sup> blades last longer



1 Slice<sup>®</sup> blade



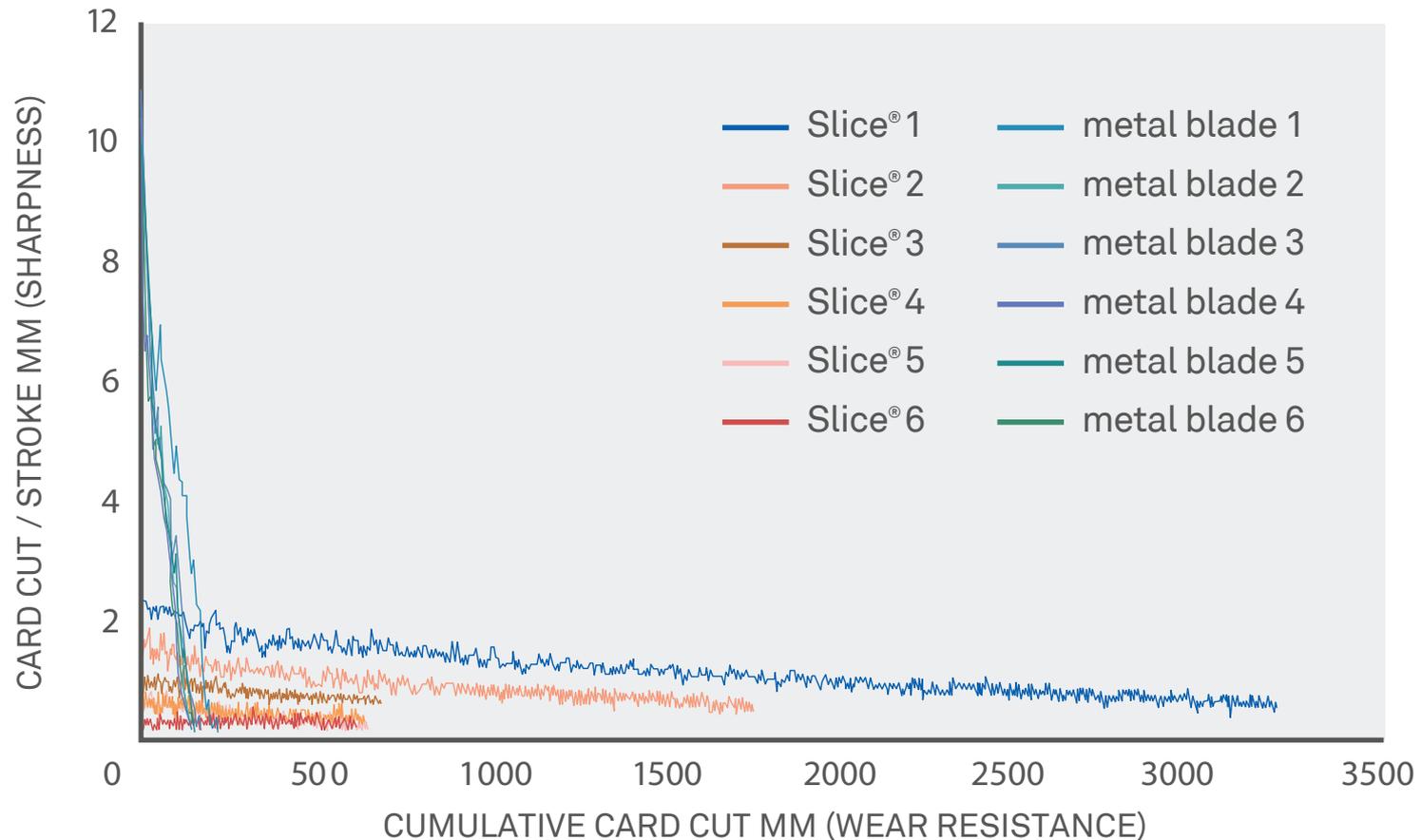
11.2 metal blades

# Significantly harder than steel = exceptional wear resistance



# Slice<sup>®</sup> blades start at an effective sharpness & stay there up to 11x longer

independent CATRA (Cutlery and Allied Trades Research Association) test



# Blade longevity

Slice® 10404 blades vs. leading heavy duty metal utility blades  
independent CATRA (Cutlery and Allied Trades Research Association) test

stainless steel blade	# of cuts until dull
blade 1	131.5
blade 2	135.5
blade 3	132.2
blade 4	133.4
blade 5	133.4
blade 6	185.6
<b>AVERAGE</b>	<b>141</b>

slice®	# of cuts until dull
blade 12	626
blade 11	492
blade 10	1849
blade 9	601
blade 8	670
blade 7	3189
<b>SLICE AVERAGE</b>	<b>1237</b>

on average Slice®  
lasts **11.2x** longer  
vs. leading brand-name stainless steel

SLICE® LASTS UP TO  
30x LONGER!

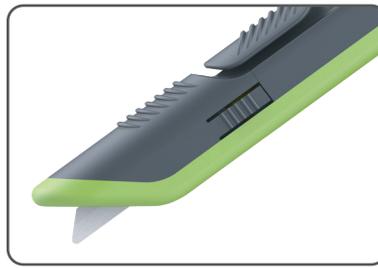
# Let's talk handles

We reduced 80 percent of the risks with better blades, but some risks still need smart and safe handle design.

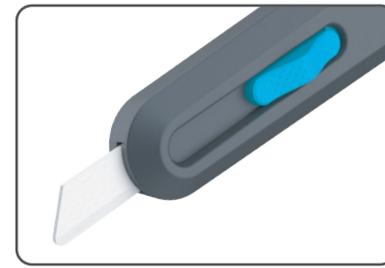
## 1 BLADE EXPOSURE



micro-blade



automatic retraction



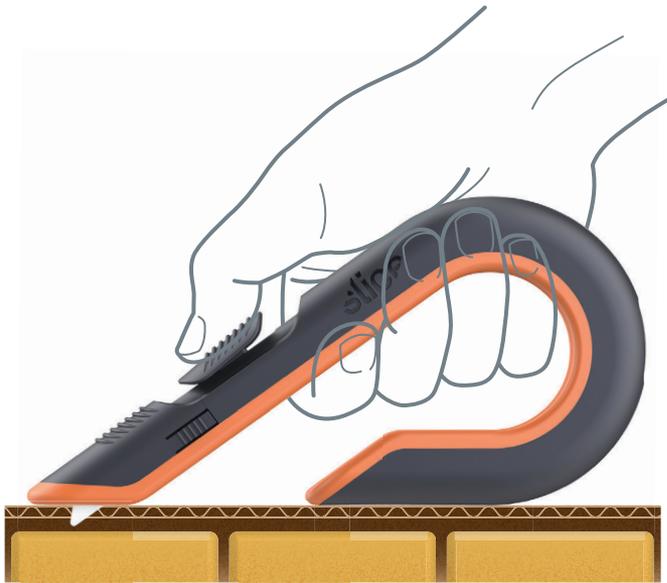
smart retraction

## 2 ERGONOMICS

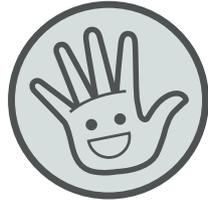


# The right blade depth keeps your hands and merchandise safe

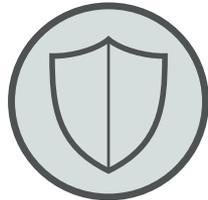
- 98% of all corrugated is double walled or single walled
- over 700,000 people visit A&E for a laceration
- millions of pounds worth of merchandise is damaged each year by knives



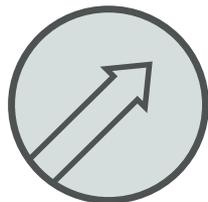
# Cost includes money saved by:



preventing injuries



protecting merchandise

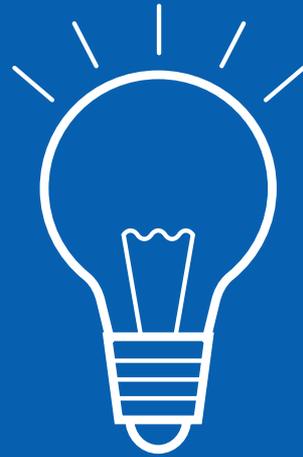


lasting longer

All Slice blades and many Slice tools can be autoclaved.



**Slice<sup>®</sup> saves you money  
and helps lower your  
Total Cost of Ownership**



**Innovations**

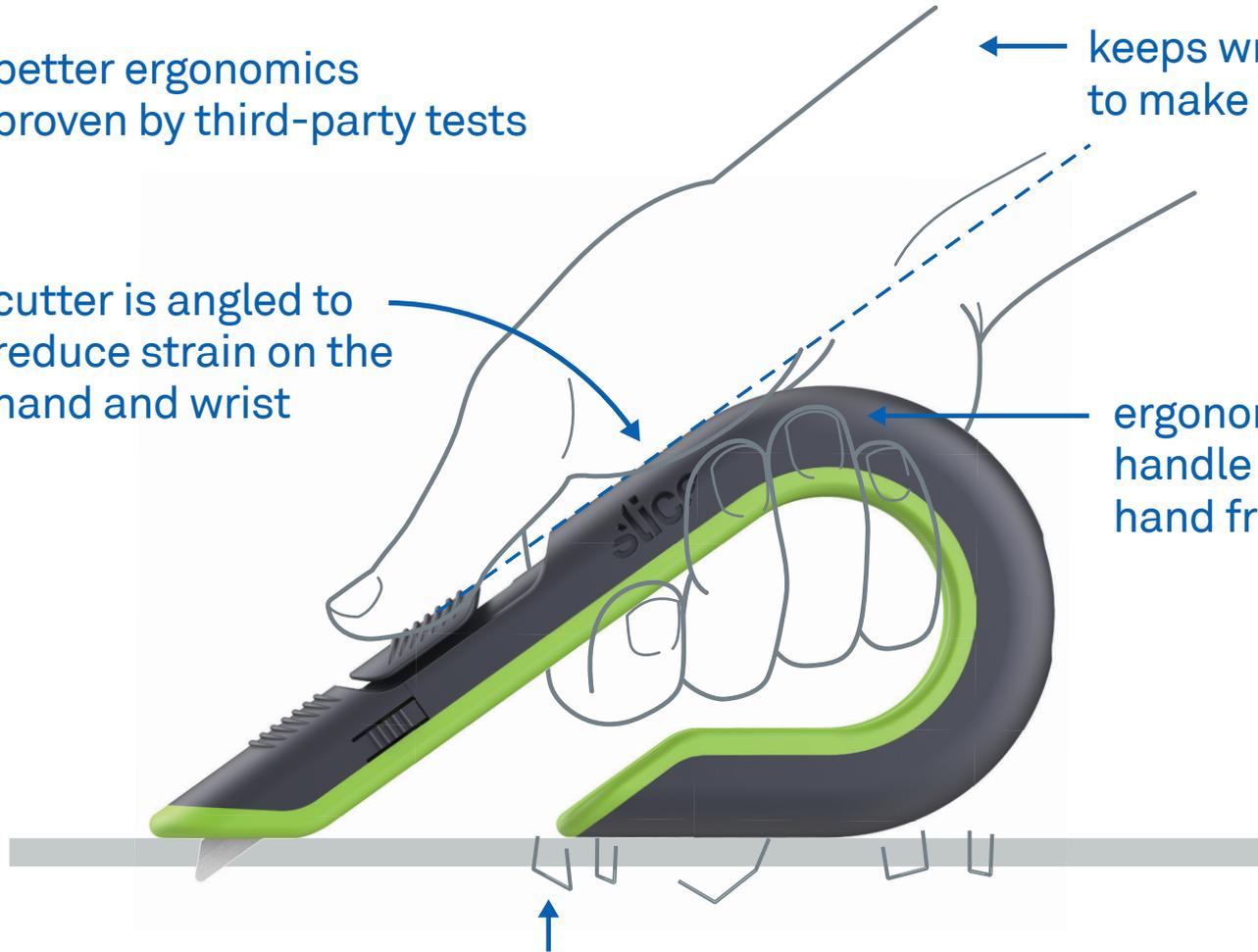
# Award-winning box cutter

better ergonomics  
proven by third-party tests

← keeps wrist straight  
to make stable cuts

cutter is angled to  
reduce strain on the  
hand and wrist

ergonomic cutter  
handle protects the  
hand from injury

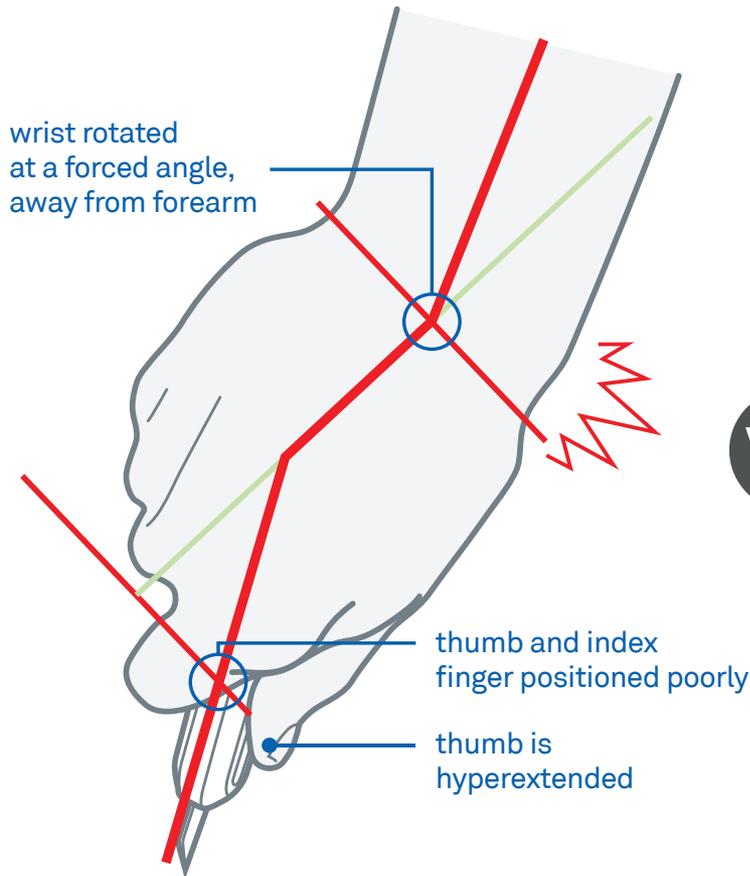


↑ protects hand from injuries from staples

# Ergo Pull™: The Ergonomic Advantage



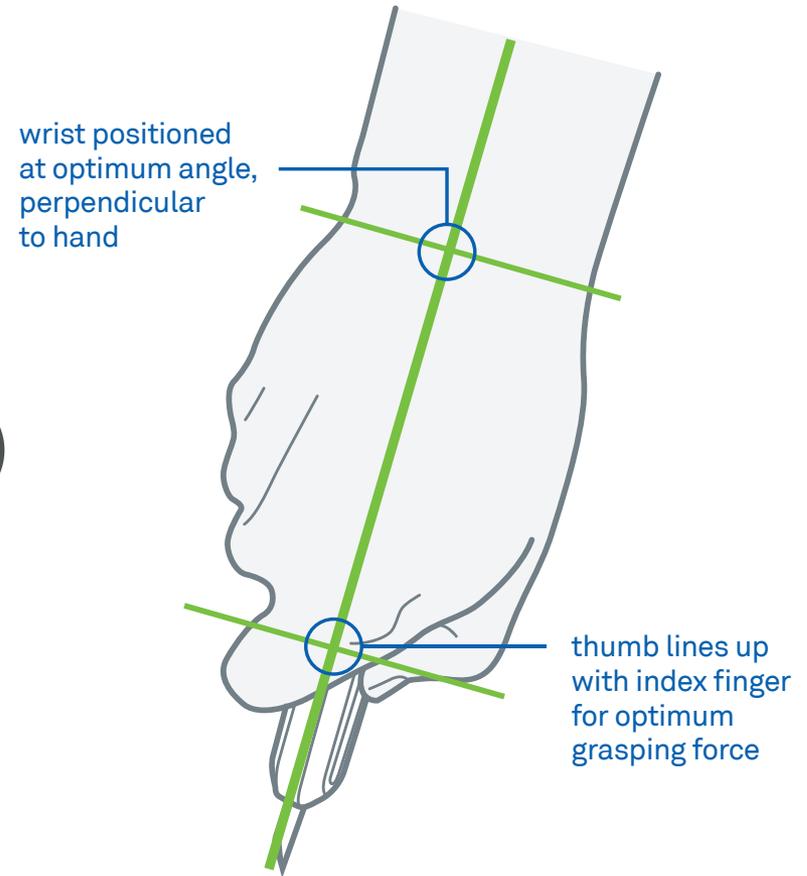
**CONVENTIONAL PUSH SLIDER**  
Forces Strained Position



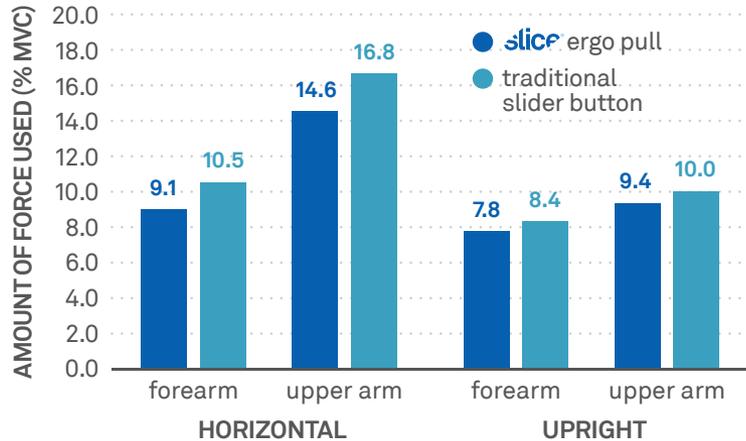
VS



**Slice® Ergo Pull™ Slider**  
Encourages Neutral Position



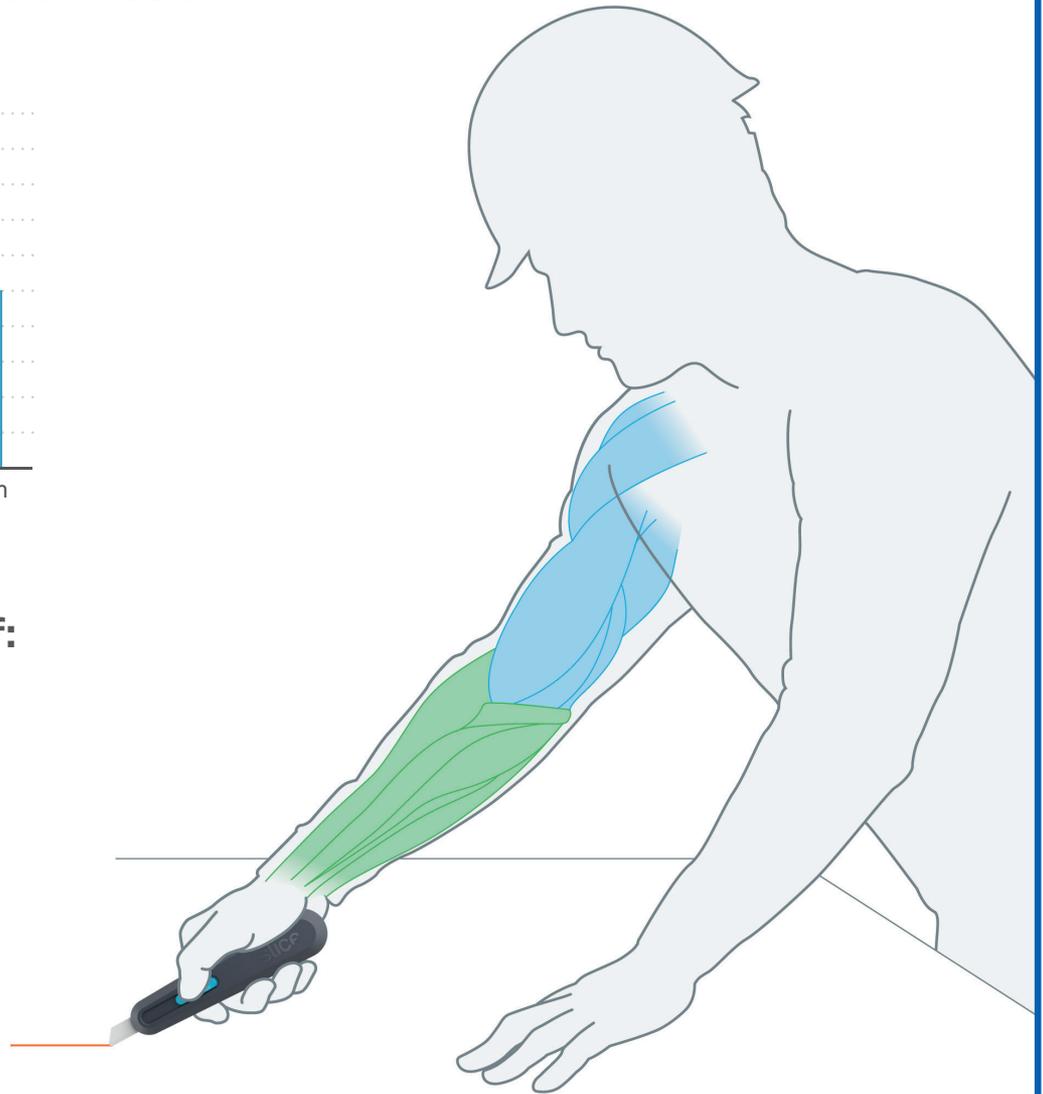
# Ergo Pull™: The Test Results



Ergonomics testing measured effort of:

- FOREARM MUSCLES
- UPPER ARM MUSCLES

**Ergo Pull™ lowered muscle effort compared with a standard push slider.**



\* Independently tested in September 2016 by United States Ergonomics, Sea Cliff, NY

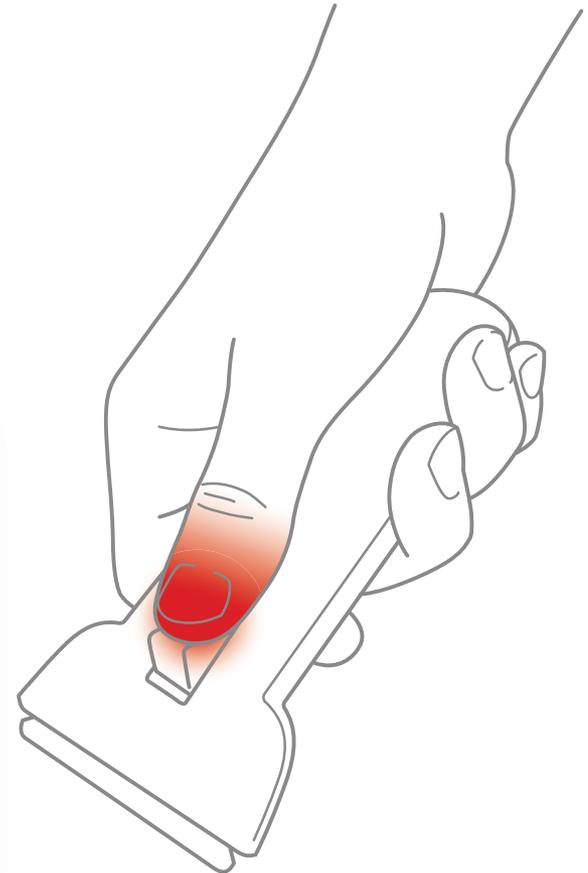
# SureScape™

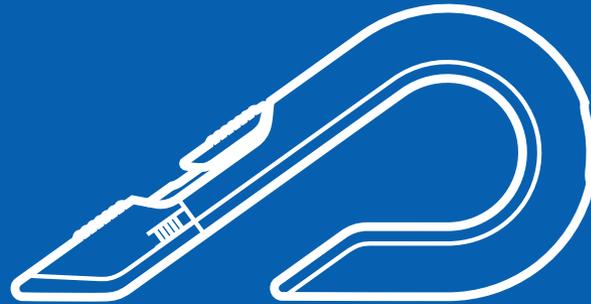
- absorbs kickback force
- ergo-mechanism protects thumb joints
- makes auto-retraction comfortable

**slice®**  
AUTO-RETRACTABLE  
SCRAPER



TRADITIONAL  
AUTO-RETRACTABLE  
SCRAPER



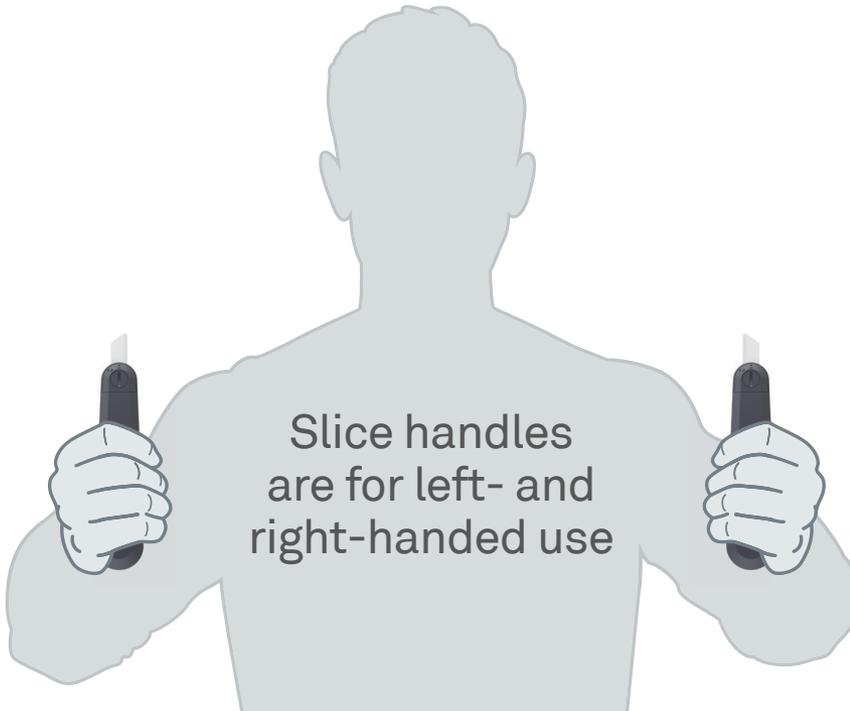


**Slice<sup>®</sup> standard features**

- no-tool blade change



- ambidextrous

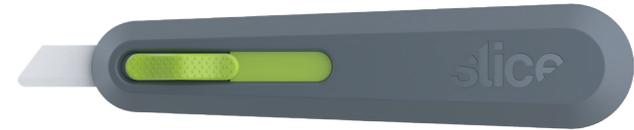


- different retraction options

#### options for all tools

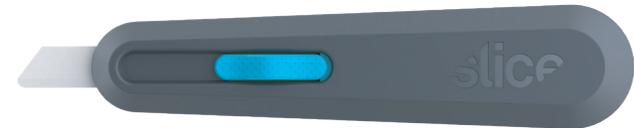


manual

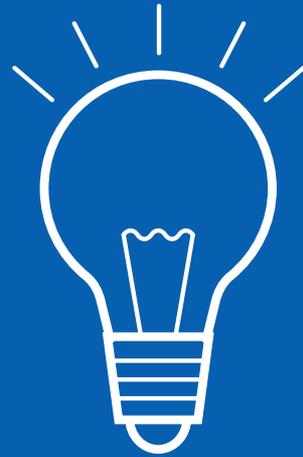


auto-retractable

#### options for some tools



smart-retracting



**Innovations**

# Klever Innovations

## Why Buy

The Klever line of safety cutters are the safest tools for opening packages, boxes, cutting plastic, shrink wrap, banding straps, or tape.

**They are SAFE, VERSATILE and EASY to use.**

- Recessed blade helps prevent contact, reducing the likelihood of personal injury, lost productivity and possible lawsuits
- Shielded cutting area reduces the risk of damaging merchandise while cutting packaging
- Can be safely used for a variety of cutting applications
- Customised logos can be added
- Custom colours are available
- NSF (National Safety Federation) approved range and dishwasher safe

# Klever NSF Food Zone Cutters

Klever Cutters are uniquely designed for foodservice and high-sensitivity environments.

The only concealed safety cutter that is NSF® Food Zone Certified, available in HACCP-aligned colours, and infused with KLEEN™ Antimicrobial.



## HACCP Colour Recommendations

-  RED = RAW MEAT 
-  WHITE = CHEESE/BREAD/BAKING 
-  GREEN = FRUITS/VEGETABLES 
-  BLUE = SEAFOOD 
-  BROWN = COOKED MEAT 
-  YELLOW = POULTRY 

# Klever disposable and replaceable head tools

Protecting people, products & our planet.

## Eco XChange

- THE FIRST recycled plastic safety cutter
- High-visibility
- Keep the handle, replace the head!



## Eco Excel XD

- Lasts 4x longer
- Requires significantly less pull force for improved ergonomics



## Eco Kutter

- The Original Klever Kutter, now eco-friendly



## XChange

- Soft grip, rubberised handle
- Keep the handle, replace the head!



# Pacific Handy Cutter (PHC)

PHC products improve worker safety and reduce damaged merchandise.

Through focus on innovation, we strive to create the best safety cutter for most applications.

To reduce painful injuries as well as increase productivity and profits.



# PHC's values

## **SAFETY:**

PHC believes that a company's people are their greatest asset. Their cutting-edge safety and ergonomic technologies are created to protect your team from injury.

## **EFFICIENCY:**

PHC believes in creating the right tools for the job. Design features for specialized cutting applications help improve productivity while protecting valuable merchandise from damage.

## **SAVINGS:**

PHC believes in being your partner in safety and savings. PHC safety cutting solutions reduce costs associated with laceration injuries and damaged merchandise, while boosting worker productivity.

# Pacific Handy Cutter (PHC)

Some of the PHC cutter innovations include:

- Safety Point Razor Blade
- Top-Cut Guide/Guard
- Concealed Blade Safety Cutter
- Concealed Blade Film Cutter
- Tape Splitters
- Auto-Retracting Safety Hood
- Internal Extra Blade Storage
- Razor Blade Disposal Bank
- Blade Dispenser
- Safety Holsters
- Integrated Film & Shrink Wrap Cutter
- Ambidextrous Swivel Handle

# PHC's Smart-Retract REBEL and VICTA

## REBEL

- Lightweight, compact, and high-visibility design.
- 0.67 in / 17mm cutting depth for a variety of material applications.



## VICTA

- Heavy-duty metal handle.
- 0.79 in / 20mm maximum cutting depth for triple-wall corrugate and other thick materials.



## BOTH

- Ergonomic, squeeze trigger is glove-friendly and helps prevent hand fatigue.
- Smart blade retraction for optimal safety.
- Integrated Safety Lock prevents accidental blade exposure when not in use.
- High-quality durable carbon steel blade for long-lasting use.
- Lanyard ready.
- Ambidextrous.
- Stress-less, no tool blade change.

# PHC's Auto-Retract REBEL and VICTA

## REBEL

- Lightweight, compact, and high-visibility design.
- 0.67 in / 17mm cutting depth for a variety of material applications.



## VICTA

- Heavy-duty metal handle
- 3 locked cutting depth options; 0.87"/ 22mm, 0.47"/ 12mm, 0.16"/ 4mm for controlled, safe cutting and to help prevent merchandise damage when opening boxes.



## BOTH

- Integrated Safety Lock prevents accidental blade exposure when not in use.
- High-quality durable carbon steel blade for long-lasting use.
- Stress-less, no tool blade change.
- Lanyard ready.
- Ambidextrous.
- Ergonomic, squeeze trigger is glove-friendly and helps prevent hand fatigue.
- Automatic blade retraction for added safety.

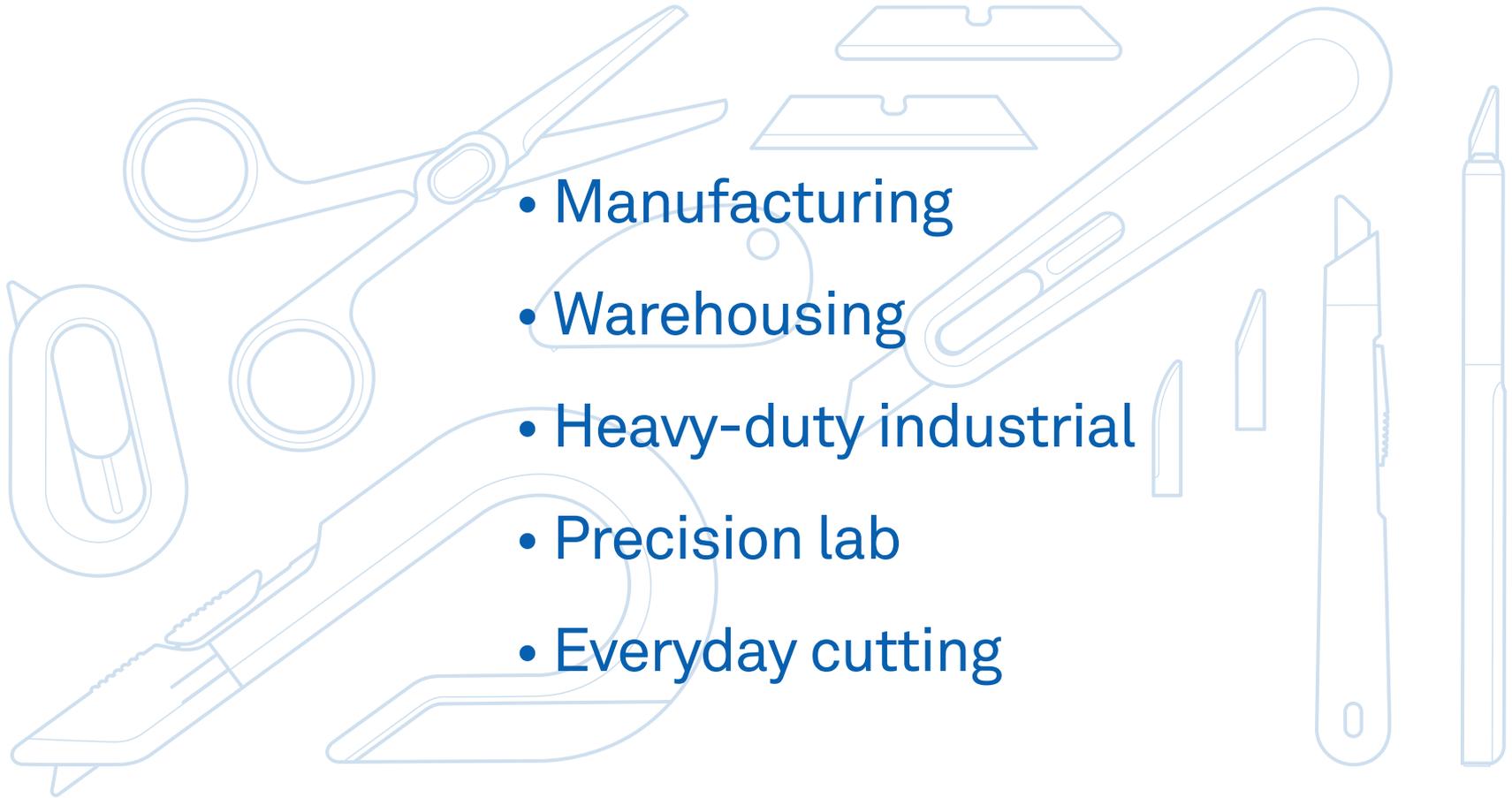
# Accessories



## Tool Holder Reel

- The DSBR01 is perfect for ensuring your tools are kept with you at all times and not misplaced.
- Either connect onto your belt loop or clip onto your trousers using the metal clip on the back.
- Made with a metal base and plastic top weighing only 25 grams this reel will take a max load of 1KG making it ideal for any working environment.

# Safer tools for any application



- Manufacturing
- Warehousing
- Heavy-duty industrial
- Precision lab
- Everyday cutting

# Case studies



## 1. Before switching to our products, what products were you using previously and what were the issues you were having?

We would be using utility knives with metal blades. Problems came when blades got blunt quickly. With the metal blades, though you teach students about the risks and give demonstrations, there is always a chance that students would cut themselves with the metal blades.

## 2. Why did you switch to our products?

It was the health and safety aspect of the design of the knife using ceramic blades which was the selling point. I also like to have the same design of knife in the classroom for management of the tools. The handle is nice and chunky with a textured grip that makes it easier for students to hold and use. In addition, when there are any problems, Dalton Safety has been always happy to assist, which is important when it comes to ordering and ensuring that our school has safe tools to use.

## 3. How did you hear about us?

I found out about your product through a colleague from another school who had ordered and recommended it for me.



Manual Metal-Handle Utility  
Knife - #10490

# Case studies



## 1. Before switching to our products, what products were you using previously and what were the issues you were having?

We were using standard auto-retractable metal blade safety knives and a huge proportion of our work related accidents were cut hands and fingers from these knives.

## 2. Why did you switch to our products?

We trialled the knives and found that no one had any cut injuries. We changed over to the Slice Auto-Retractable Pen Cutter and 288 of the 00200 Slice Safety Cutter and have since had zero cuts from these knives.

## 3. How did you hear about us?

LinkedIn.



Safety Cutter - #00200  
Auto-Retractable Pen Cutter - #10512

# Our customers



**AMG**  
PETRONAS  
FORMULA ONE TEAM



**3M**



**CHIVAS**

**N**  
NEENAH



Superdrug<sup>☆</sup>

boohoo

**REMTEK**  
SYSTEMS LTD



**VOLVO**



**BRISTOL**

Tracerco  
Insight through innovation



**GXO**

**BAE SYSTEMS**



**AVIC**  
CABIN SYSTEMS



**AAH**



*Cadbury*



**SAINT-GOBAIN**

**INEOS**



*BOEING*

visit [www.daltonsafety.com](http://www.daltonsafety.com)

0800 9874000

[enquiries@daltonsafety.com](mailto:enquiries@daltonsafety.com)

