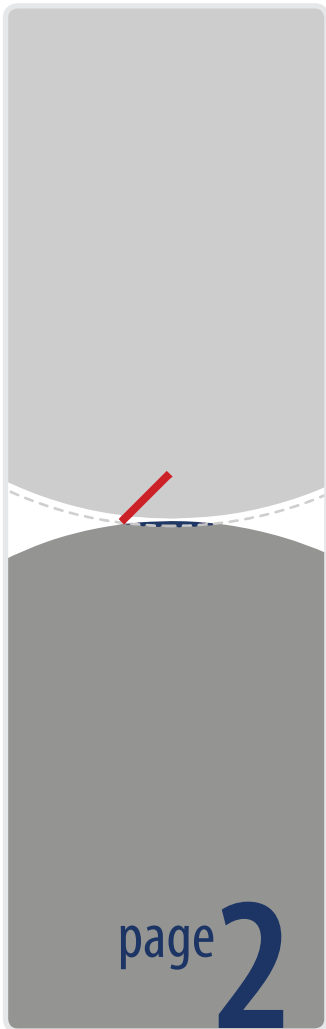
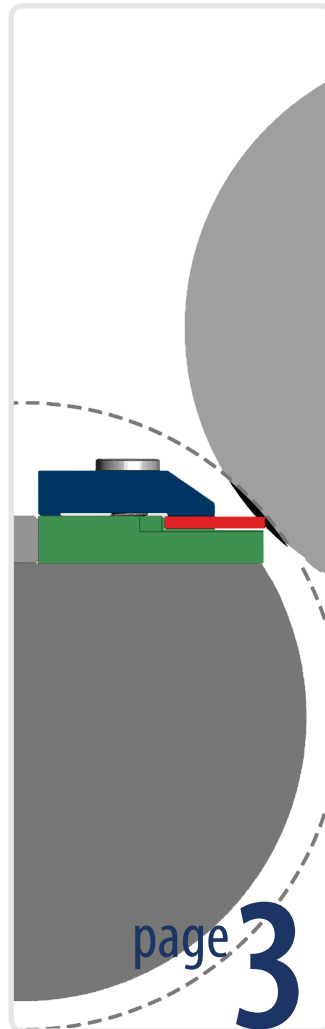


# Flex Cutting for Converting Machines



What  
is a  
Flex Cut?



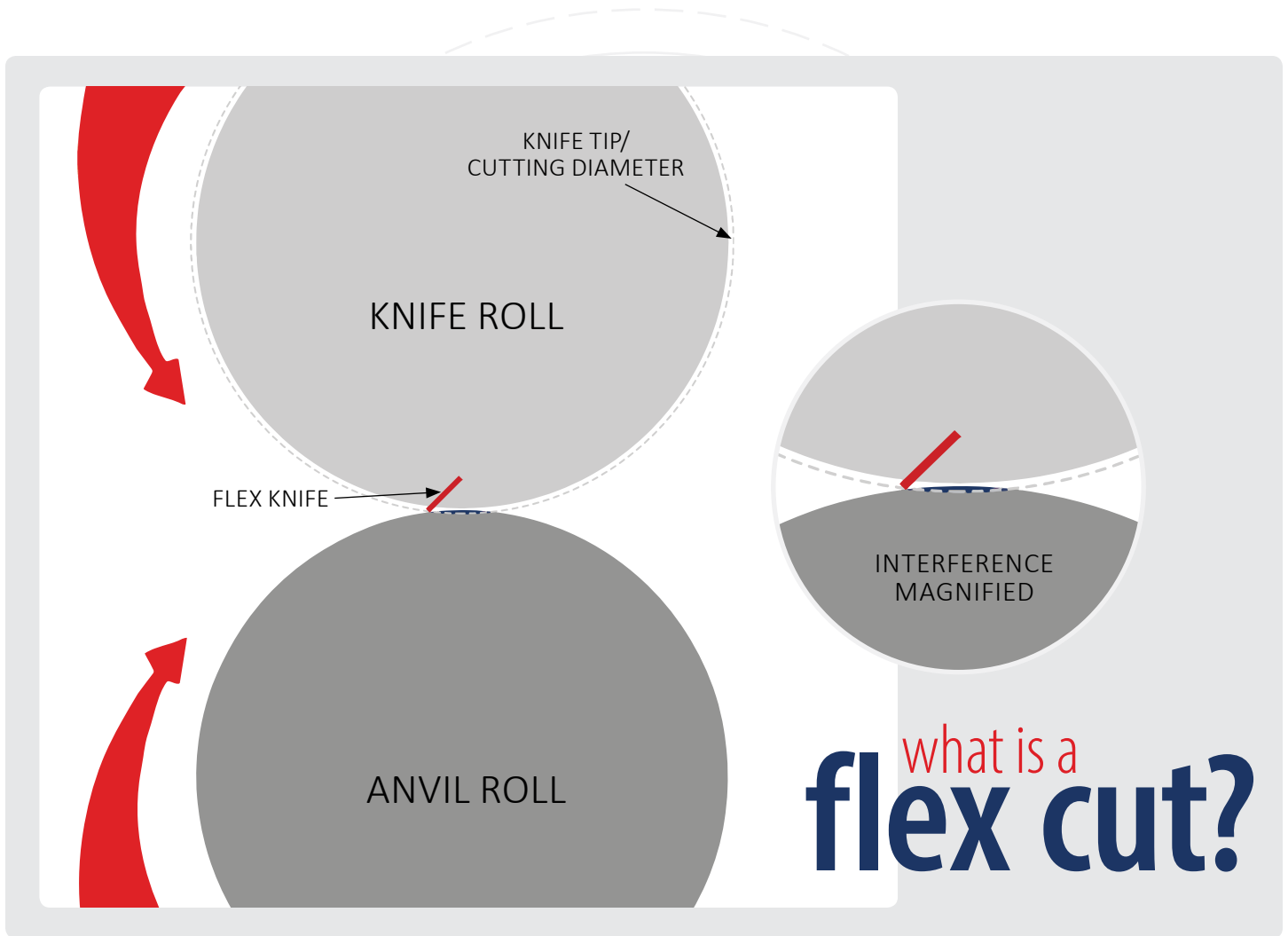
What  
Happens  
During  
a Flex Cut?  
3 Step Guide



What  
is the  
Difference  
in Design?



How to Use  
Flex Knives  
Longer.



## Flex cutting ...



...is  
**STRAIGHT CUTTING**  
in a  
*rotary application*  
with  
*precision oriented specifications.*

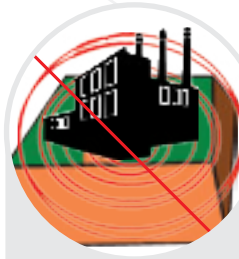


...uses  
a *precision*  
**4 EDGE**  
**KNIFE**  
mounted  
in a  
rotary shaft.

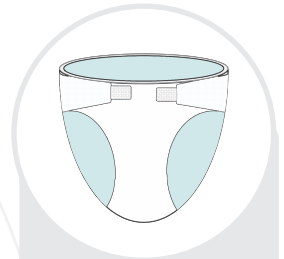


HOLDING ASSEMBLY  
FOR FLEX KNIFE

...**"GIVES"**  
slightly  
at the  
*strike point*  
with  
the anvil  
and  
*through the interference.*



...reduces  
**IMPACT**  
and  
machinery  
noise.  
*No more*  
**"EARTHQUAKES"**  
on the  
factory  
floor.



...is *favorable*  
when **cutting**  
high  
tensile  
strength  
**materials**  
such as  
**NONWOVEN FABRICS.**

# 3 Step Guide:

## What Happens *During a Flex Cut*?

1

The knife tip or cutting diameter overlaps the diameter of the anvil roll. This overlap is *interference*.

2

The *knife tip strikes the anvil* surface as it enters the interference, cutting the material.

3

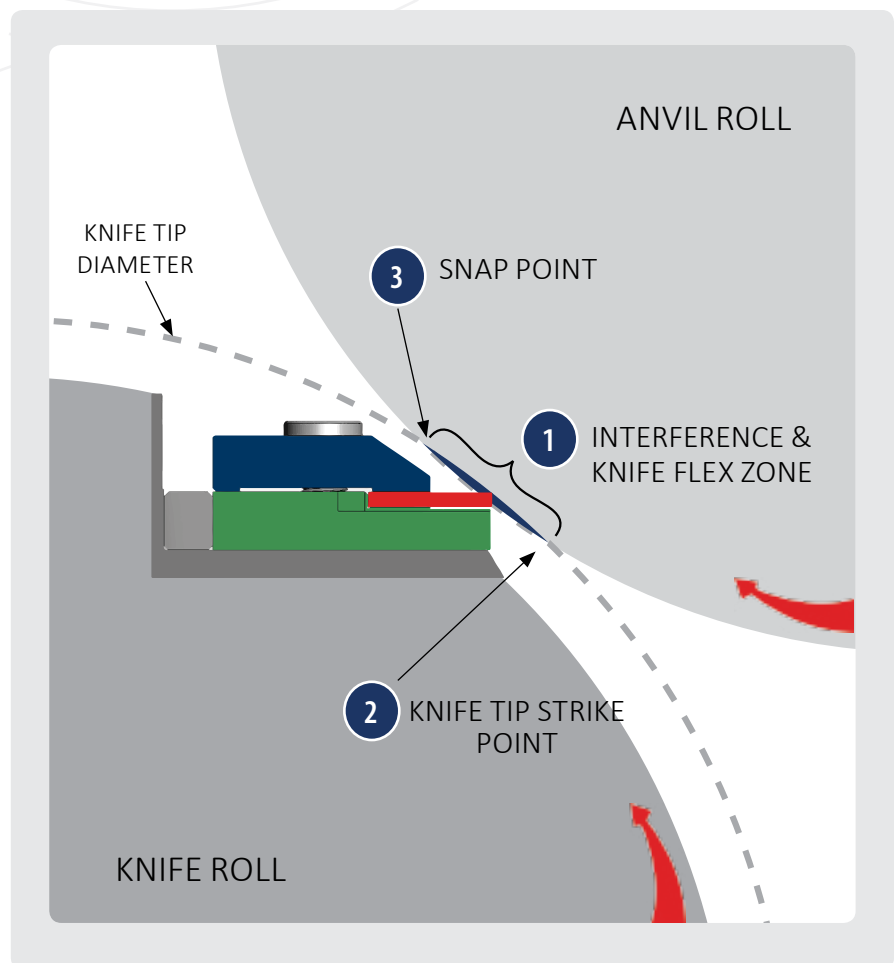
As the knife moves through the interference it *flexes and snaps*. The *flex and snap motion is the key* to clean cuts with stubborn materials.

### Key Issue

Knife and anvil presentation must be perfectly parallel to *achieve consistent interference* across the entire length of the knife. This is only possible with precision manufacturing. Inaccurate set-up will cost millions of cuts.

### Key Issue

The *design of knife holding components is critical to function*. Design flaws will result in knife breakage or a crush cut, removing all benefits of flex cutting.



the difference *is*  
**design.**

**everwear, inc.**  
Precision Cutting Solutions  
**FLEX CUT SYSTEMS**

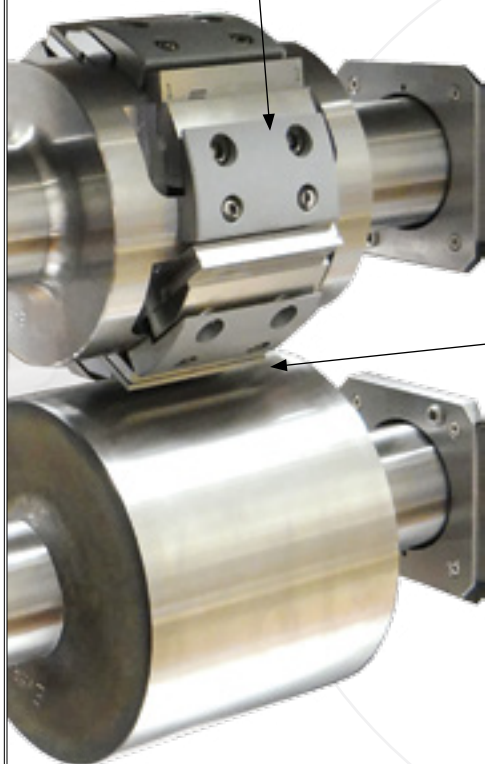
⑤⑥



②⑦



①

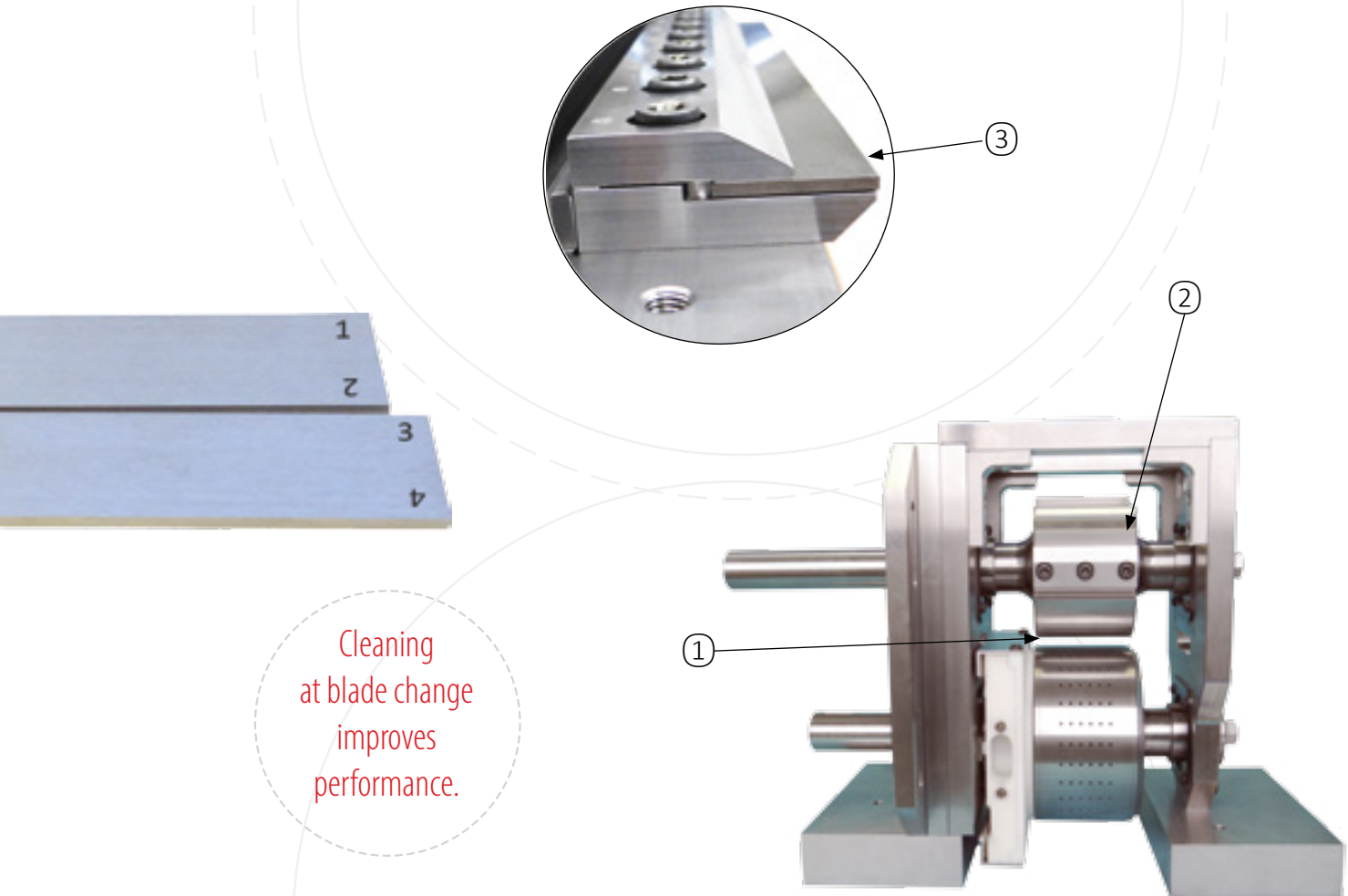


③④

ITEM NO.	DESIGN DESCRIPTION
1	REPLACEMENT OF KNIVES IS EASY WITH EVERWEAR'S <b>DROP-IN DESIGN</b> .
2	<b>4</b> EDGES INSTEAD OF 1.
3	AFTER INITIAL SET-UP IS OPTIMIZED, <b>NO OTHER ADJUSTMENT IS NEEDED</b> .
4	ONLY <b>LIGHT INTERFERENCE</b> IS NEEDED WITH EVERWEAR DESIGNED FLEX CUT SYSTEMS.
5	THE <b>FLEX AND SNAP</b> MOTION ENSURES A CLEAN, PRECISE CUT WITH TOUGH MATERIALS.
6	CONVERTING MACHINES RUN FASTER WITH GREATLY <b>REDUCED IMPACT ON PARTS</b> .
7	EVERWEAR'S DESIGN <b>REDUCES SPENDING ON KNIVES</b> . EACH BLADE OUTLASTS ITS CRUSH CUT COUNTERPART.

# Don't *waste* an Everwear Flex Knife use them longer.

Our flex knives last *millions* of cuts, < 3,000,000 cuts per edge indicates a problem.  
Let the flex cut experts solve it!



ITEM NO.	HOW TO USE FLEX KNIVES LONGER
1	INSTALLATION OF EVERWEAR FLEX CUT SYSTEMS IS CRITICAL. <b>INTERFERENCE AND CUT DEPTH ARE KEY TO MILLIONS OF CUTS.</b>
2	AT BLADE CHANGE TIME, <b>CLEAN ALL SURFACES CONTACTING THE KNIFE</b> BEFORE RETIGHTENING COMPONENTS. THIS EXTENDS KNIFE LIFE, SAVING TIME AND MONEY.
3	<b>NEVER RESHARPEN FLEX KNIVES</b> , DIFFERENT HEIGHTS IN RESHARPENED KNIVES IMPOSE ADJUSTMENTS WHEN KNIVES ARE FLIPPED.





Call us, we pick up the phone  
and talk to you.

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*everwear, inc.*

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