



# SPECIALTY BLADES

THE BUSINESS NOW KNOWN AS CADENCE, INC. BEGAN IN 1985 AS SPECIALTY BLADES TO ADDRESS THE NEEDS OF INDUSTRIES AND ORIGINAL EQUIPMENT MANUFACTURERS WHO REQUIRED HIGH-PERFORMANCE, RAZOR-SHARP CUSTOM-MADE AND STANDARD CUTTING BLADES.





## REFINE YOUR EXPECTATIONS

Since 1985, Cadence has pursued a singular goal: surpassing customer expectations by redefining blade performance standards. Our ability to optimize blade performance through innovative technologies helps you realize higher performance, longer-lasting blades, with less downtime, less rework—and less cost for you.

## PROCESS OPTIMIZED. PERFORMANCE REALIZED.

Blade technology is our core competency. Cadence is committed to continually seeking new methods of manufacturing and sharpening to build higher-performance, longer-lasting blades for our customers.

## WHAT YOU NEED. WHEN YOU NEED IT.

Total customer satisfaction, whether related to quality, delivery or price, is the utmost importance to every member of Cadence's manufacturing team. By continually investing in state-of-the-art technology and instilling all of our employees with a commitment to customer satisfaction, we ensure that you are supplied with the high-performance, high quality cutting blades you require. Cadence has the resources to deliver what you need, when you need it.

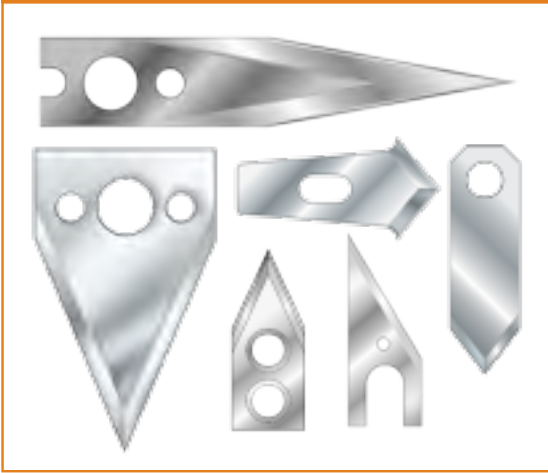
## INDUSTRIES SERVED

Cadence utilizes a proprietary CNC sharpening process to manufacture razor-sharp, made-to-order cutting blades and machining knives for many different industrial applications, including:

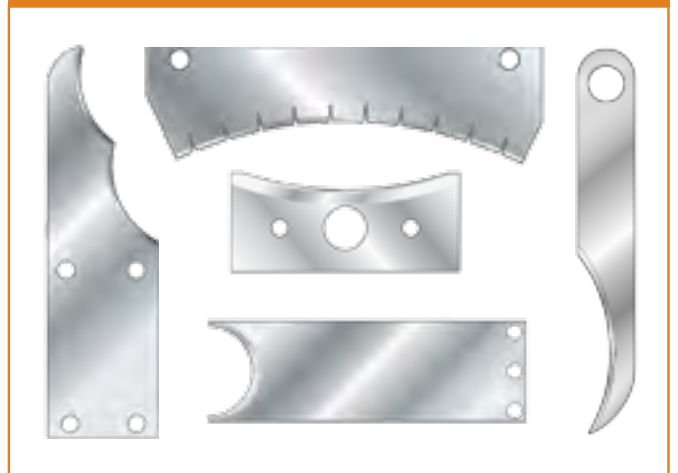
- ◆ Plastic extrusion
- ◆ Packaging
- ◆ Film/foil/paper converting
- ◆ Industrial food processing
- ◆ Precision hand tools
- ◆ Plastic pelletizing
- ◆ Blow molding and flash trimming
- ◆ Computerized plotting and sign manufacturing
- ◆ Fiber and textile chopping and manufacturing
- ◆ Cable cutting and stripping
- ◆ Tire and automotive production
- ◆ Medical valve slitting and tube cutting

# BLADE SHAPES FOR EVERY APPLICATION

## POINTED TIP BLADES



## CONCAVE/HOOK BLADES



## FORMED BLADES



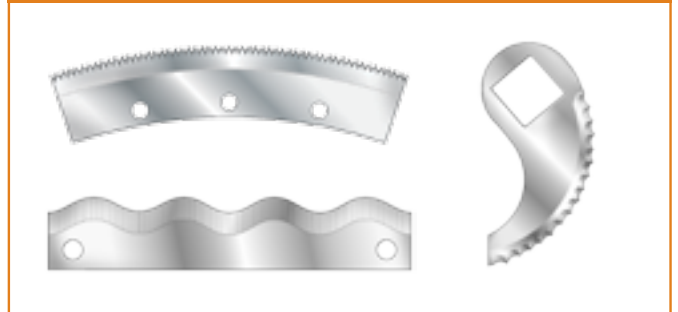
## MULTIPLE-EDGED BLADES



## STRAIGHT BLADES FROM EXTREME WEAR MATERIALS

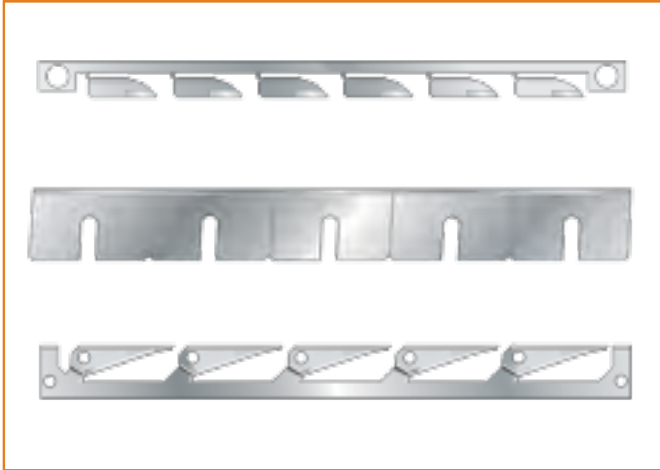


## COMBINATION EDGE GEOMETRY BLADES

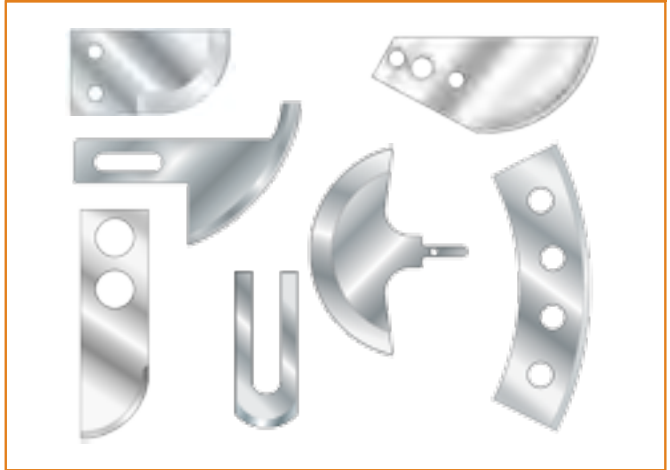


SINCE MANY BLADES ARE MADE-TO-ORDER, THE ILLUSTRATIONS MAY NOT BE TO SCALE AND ARE ONLY A LIMITED REPRESENTATION OF CADENCE'S UNIQUE MANUFACTURING CAPABILITIES.

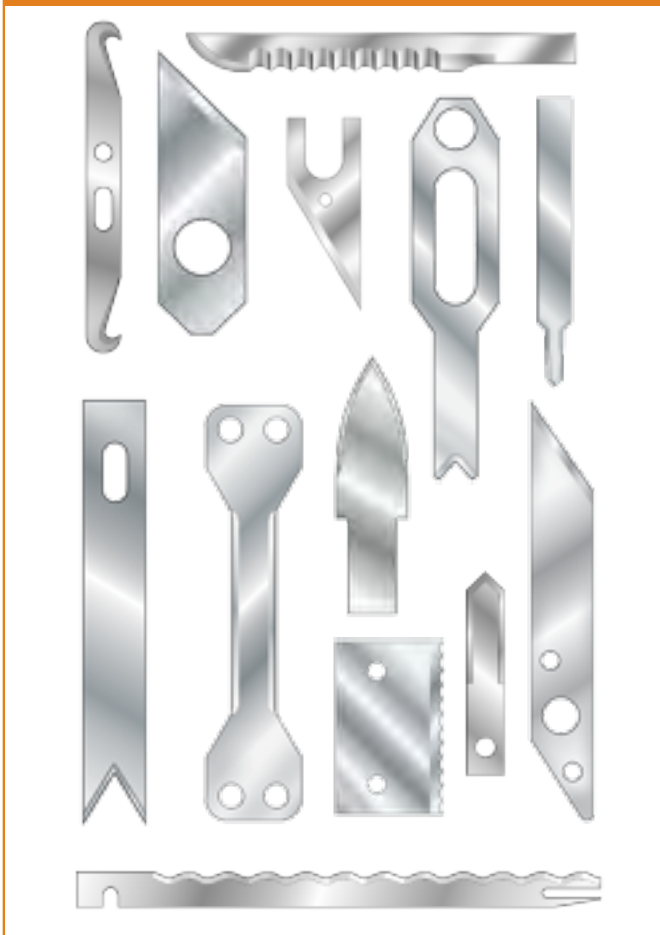
### SCORED STRIPS



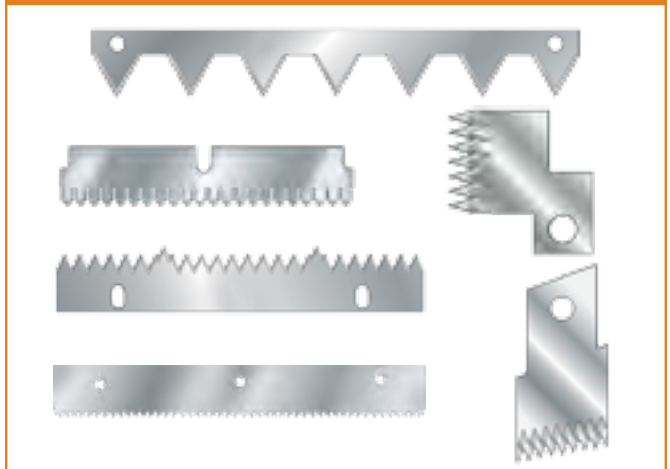
### CONVEX/CURVE BLADES



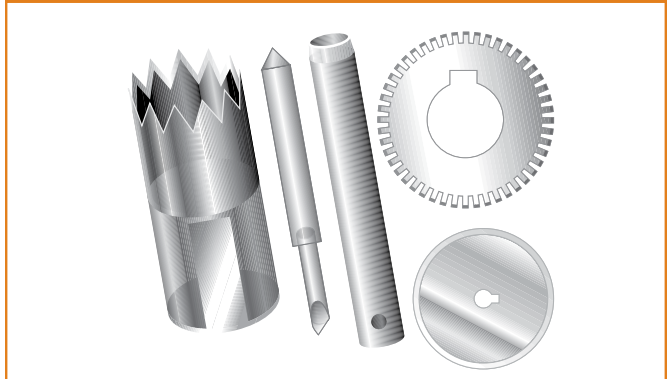
### OTHER BLADE SHAPES & EDGES



### TOOTHED-EDGED BLADES



### CIRCULAR BLADES & SHARPENED TUBES



# CUSTOM MANUFACTURING

## DON'T SEE WHAT YOU NEED? WE MAKE SPECIALTY BLADES.

We developed a process utilizing custom-designed, programmable Computer Numerical Control (CNC) machinery to generate and sharpen blanks for custom-made blades. This process features precisely controlled, multiple-step grinding and honing sequences similar to that used on razor blades. This process also accommodates different steels not available in strip form and unique edge configurations not possible with continuous strip sharpening.

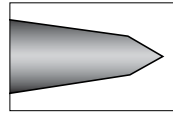
Since its inception, Cadence has been committed to delivering outstanding and long-lasting cutting performance for our customers. We promise to continue to offer the same high-quality product that we have taken great pride in providing over the last two decades. We feel that if we optimize your cutting processes with superior blades, then you will get the level of output and performance you need.

### MATERIALS IN STOCK

- ◆ 1095 Carbon Steel
- ◆ Heat-treated Stainless Steels including 410, 420, 716, 440A, 440C
- ◆ 301 Stainless, 17-4 PH Stainless
- ◆ High-Speed Steels including M2 and M4
- ◆ Tool steels including D2, A2, S7, and 07
- ◆ Extreme-Wear-Tool Steels including A11 and CPM10V
- ◆ Tungsten Carbide
- ◆ Zirconia Ceramic

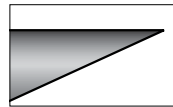
## EDGE GEOMETRY OPTIONS

### Double bevel



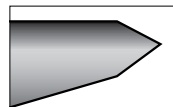
The most common edge, a double-bevel edge can be sharpened to an extremely keen edge. Since cutting forces are symmetrical to blade design, this edge minimizes the tendency to “roll” or deform.

### Chisel edge



A pure chisel edge is used when the cut must be co-incident with one side of the blade, or when a “shearing” action is required.

### Modified chisel



Similar to chisel edge, but with an added secondary hone facet at the blade tip. This geometry provides the sharpness of the double-bevel edge, while giving an off-center cut.

## CAPABILITIES/SERVICES

- ◆ Assembly
- ◆ Blade Lab
- ◆ Coat
- ◆ CNC Sharpen
- ◆ Electro-polish
- ◆ Etch
- ◆ Form
- ◆ Heat Treat
- ◆ Laser Cut
- ◆ Machine
- ◆ Mill
- ◆ Mold
- ◆ Passivate
- ◆ Photo-Chemical
- ◆ Rapid Protopye Cell
- ◆ Stamp
- ◆ Weld
- ◆ Wire EDM

## WE WOULD BE PLEASED TO QUOTE ITEMS MADE TO YOUR SPECIFIC REQUIREMENTS

- ◆ Increase Productivity
- ◆ Improve Quality
- ◆ Increase Profit
- ◆ Reduce Downtime
- ◆ Reduce Scrap
- ◆ Reduce Costs



WEB | [CADENCEINC.COM](http://CADENCEINC.COM)

E-MAIL | [SALES@CADENCEINC.COM](mailto:SALES@CADENCEINC.COM)

TEL | 800.252.3371

FAX | 540.248.4400