









#### **ALUMINUM**



Spiral '0' Flute



Spiral '0' Flute CNC Sets



90° V-Groove & Engraving



Soft Aluminum Cutting



4 Facet Drills



Insert Face Milling



HSS for Aluminum



InVectra™ Flush Trim



Flush Trim Spiral



45° Aluminum & Plastic Bevel Trim



V-Groove and Rectangular Groove for ACM



**ALUMINUM COMPOSITE MATERIAL (ACM)** 

ZrN V-Groove for ACM



AITiN V-Groove for Steel Composite Material (SCM)



Insert V-Groove for ACM

#### **ARCHITECTURAL**



Base Molding & Door Casing



Wainscott Sets



Crown Molding



Architectural Molding



Special Interest Molding



Hand & Table Edge



Handrail

#### CARVING 2D/3D



Tapered & Straight Ball Nose



Spektra™ Tapered & Straight Ball Nose



ZrN Metric Ball Nose & End Mill



ZrN Extra-Long Reach



ZrN Flat Bottom



ZrN 2D/3D Carving **CNC Sets** 

### **CNC SETS**



Spiral '0' Flute Aluminum



General Purpose



AITIN Steel



ZrN 2D/3D Carving



Spiral '0' Flute **Plastic** 



Signmaking



**CNC Colletions** 

#### **CNC ACCESSORIES**



Tool Holder

Extensions

w/Spring Collet



Extension Adapters



Tool Holder

Extenstions

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Narrow Reach



Boring Bit Adapters



Adapters, Holders & Wrenches



Spring Collets



Retaining Studs

### COMPOSITE















**Diamond Coated** Fiberglass, Carbon Fiber and Composite



ZrN Spiral Composite, Fiberglass





90° Countersink



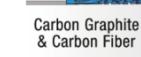




End Mill Point

Roughing Spiral

Diamond Grit Spiral







## **DOORMAKING**



Adjustable Flat Panel Stile & Rail Sets



Insert Tongue & Groove



Stile & Rail Sets



Insert Stile & Rail Set



One Piece Stile & Rail



Door & Draw Edge



Raised Panel



Vertical Raised Panel



Insert MDF Cabinet Door



Window & Doors



Tambour Door Set



Shutters/Profile Sets



Door/Window Edge & Finger Grip

#### **FOAM**



Foam Spiral Ball End/Square End



Spektra™ Foam Spiral Square End



TIN HSS Ball End/Square End



**HSS Straight** V-Flute

#### **GROOVING**



T-Slot



Screw Slot & Keyhole



Bowl & Tray



Ball End & Insert Ball End



Core Box



**Bottom Round** 

Groovers

#### **JOINTING**



Dovetail



Rabbet



E-Z Dial™ Slot Cutters



Slot Cutters



Joinery



Flooring Sets



Flooring Cutters

### **MINIATURE**



Miniature with 3/16" Ball Bearing Guides



Miniature Flush Trim Plunge



Miniature Compression

#### **MORTISING**



Mortising



Mortising for **Bottom Cleaning** 



Up-Shear Slot Mortiser



Mortising Screw Type Cutters



Long Style Mortising Screw Type Cutters

# PANEL PILOT



Single Flute



Stagger Tooth

w/Center Pilot



High Speed Steel (HSS) Straight



High Speed Steel (HSS) Spiral



Plunge Point

Stagger Tooth Plunge





# **POLYCRYSTALLINE DIAMOND (PCD)**













Compression Up/ Down Shear

Engraving, V-Groove & Chamfer

Straight Plunge

Aluminum Composite Material (ACM)

Spoilboard

T-Slot

Corner Round

## **PLASTIC**

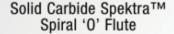




Spiral '0' Flute



Solid Carbide Spiral '0' Flute



Solid Carbide Double '0' Flute

**CNC Sets** 

Solid Carbide **Edge Rounding** 

Solid Carbide Single '0' Flute

Solid Carbide Double Straight Grind



**HSS Straight** 







Solid Carbide Spiral Ball Nose

Slow Spiral '0' Flute Finisher

Slow Spiral Finisher

**CNC Trim** Saw Blade & Arbor

Flush Trim



Single & Double '0' Flute

3°, 5° and 7°

Patternmaker

Chamfer System

In-Plastic™

ZrN Spiral Composite, Fiberglass

ZrN Glass Reinforced Plastic





Chamfer



Insert Adjustable Chamfer



Corner Rounding & Beading



Bullnose



Cove & Bead



Classical Cove & Ogee



System

### SIGNMAKING, LETTERING & V-GROOVE



Insert V-Groove

In-Groove™ System



V-Groove



60° Signmaking & Lettering

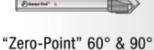


30°, 45° & 60°

Engraving

ZrN 90° V-Groove

& Engraving



V-Groove



Carving & Engraving



Carving Liner



60° Lettering



Core Box & V-Groove



Signmaking **CNC Sets** 

### **SOLID SURFACE**











& Spektra™ Spiral '0' Flute



Counter-Top 'No-Drip' Design

Round Over

Corner Rounding

**Bowl & Sink Trim** 

Flush Trim

Spiral '0' Flute





## **SOLID SURFACE (CONT'D)**



Cove/Backsplash



**Undermount Bowl** 



Karran® Stainless Steel Sink Edge Bits



Topmount Router European Type



**Decorative Edge** 



Wavy Joint

### **SOLID CARBIDE SPIRAL & COMPRESSION**



Spiral Flute Plunge 2 & 3 Flute



Spektra™ Spiral Flute Plunge 2 & 3 Flute



Spiral Flute Plunge for Solid Wood



Compression & Spektra™ Compression



Mortise Compression & Spektra™ Mortise Compression



Compression

Nesting



Spiral Ball Nose

**SPOILBOARD** 



Insert 2+2 Spoilboard



Mini Insert 2+2



**Heavy Duty** 3 & 5-Wing



Insert 2-Wing



Insert Eased Edge



Carbide Tipped 3 & 4 Flute



Diamond PCD

# STEEL, STAINLESS STEEL



AITIN Up-Cut Spiral



AITIN Mini End Mills



**HSS Door Bits** 



AITiN Multi-Helix Spiral



AITIN 90° 'V' Spiral Drills



AITiN

Carbide Burr Bits 60° Countersink

STRAIGHT PLUNGE



Straight Plunge



**Production Shear** 



Opposite-Shear Staggered Tooth



Super Plunge™



Insert Up & Down Shear



Insert Stagger Tooth



Rabbeting & Sizing

**TRIM** 



Flush Trim Template



Dado Clean-Out



Flush Trim with **Ball Bearing Guide** 



No-File™ Trim



Dynabit™ Laminate Trim



3° & 5° Shear

Supertrim



with Euro™ Square

Bearing



UltraTrim™/ Spiral Trim



**Bevel Trim** 



Bevel and Flush Trim



EZ-Change™ Series



**AITIN Panel Pilot** 



Panel Pilot

Weatherseal

### **COUNTERSINKS**



82° Countersinks



Counterbores



No-Mar Countersinks



Economy No-Mar Countersinks



