

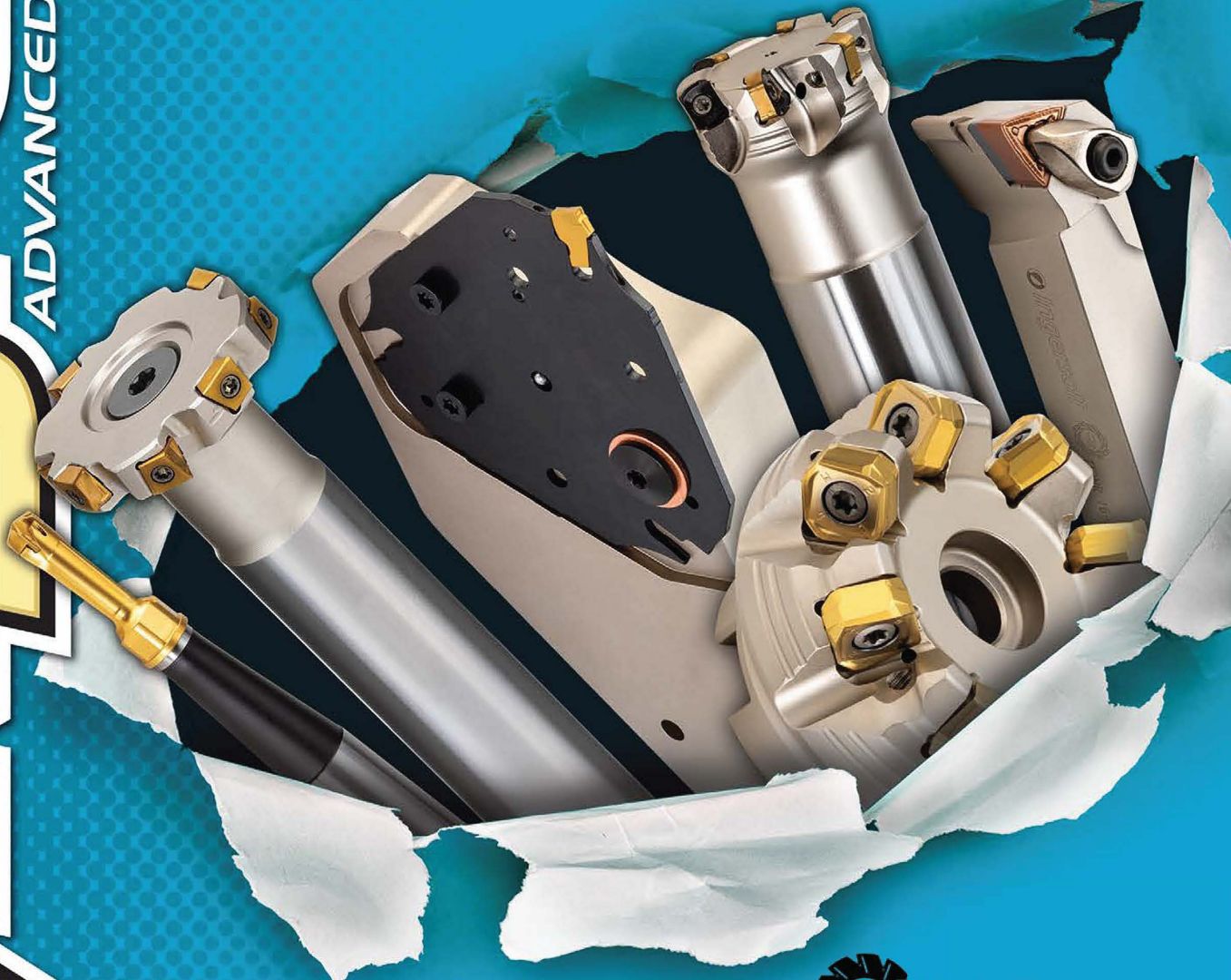
# WINSFEEED™

ADVANCED MACHINING

EXTENDED THRU  
OCTOBER

# 2024 PROMO

MARCH - JULY



**OMNITOO**  
INDUSTRIAL SALES  
an MSC Company

Member IMC Group  
**Ingersoll**  
Cutting Tools



# MAXSPEED™

## 90° End Mill, Face Mill, and Slotters With High Feed Rate Capability

- ▶ Strong double-sided, 4-edge, tangential insert with helical cutting edges for smooth machining.
- ▶ Exact 90° shouldering with straight and helical ramping capabilities.
- ▶ Secure dovetailed insert seating for maximum stability.
- ▶ New slotting heads featuring rigid tri-lobe connection.

<b>PURCHASE</b>	
10 inserts per pocket	<b>PC 403</b>
<b>RECEIVE</b>	
corresponding body <b>FREE</b>	



# NUMAX ILOCK™

## Extended Flute End Mills and Shell Mills with New, Smaller-Size Interlocking Inserts for Smooth Operation

- ▶ Overlapping "V-Notch" inserts that allow for smooth chip formation at high feed-rates.
- ▶ Smaller inserts designed for lower HP machines, freer cutting conditions, and larger radial depth of cut in aggressive materials.
- ▶ Patented end station design with available corner radii inserts from .031" to .250" with no cutter body modifications needed.

<b>PURCHASE*</b>	
one fill (rounded up to nearest pack size)	<b>PC 407</b>
<b>RECEIVE</b>	
corresponding body at a <b>50% discount</b>	

\*11 mm insert only



# GOLDSPEED™

## Our Most Popular Hi-Feed Mill is Expanded to include 4, 6, and 16 mm Cutter Series

- ▶ Hi-feed, high-positive designed 4-corner insert with wiping flats that can eliminate secondary passes.
- ▶ Inserts feature 12° lead-angles to produce 5x the feed rates in any material.
- ▶ Inserts include multiple types of edge reinforcement and corner configurations.

### PURCHASE\*

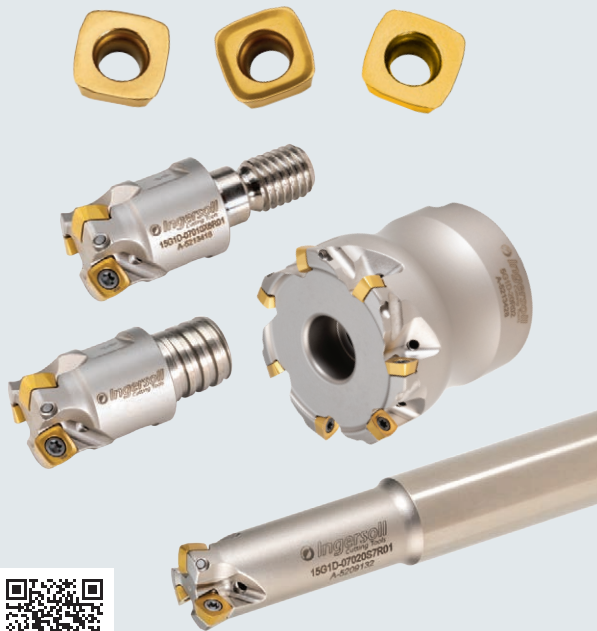
10 inserts per pocket

### RECEIVE

corresponding body **FREE**

PC  
406

\*4, 6, and 16 mm inserts only



# HIPOSWINV™

## Aero-centric Router/Shoulder/Hi-Feed Mills With V-Bottom Inserts for Secure Clamping

- ▶ Ingersoll's newest, highest positive geometry featuring balanced cutters for high RPM - ideal for aerospace materials.
- ▶ Steep concave face accommodates aggressive aluminum router ramp angles.
- ▶ 90° inserts with integrated wiper flats produce 32-63 Ra deck finishes, and hi-feed inserts.

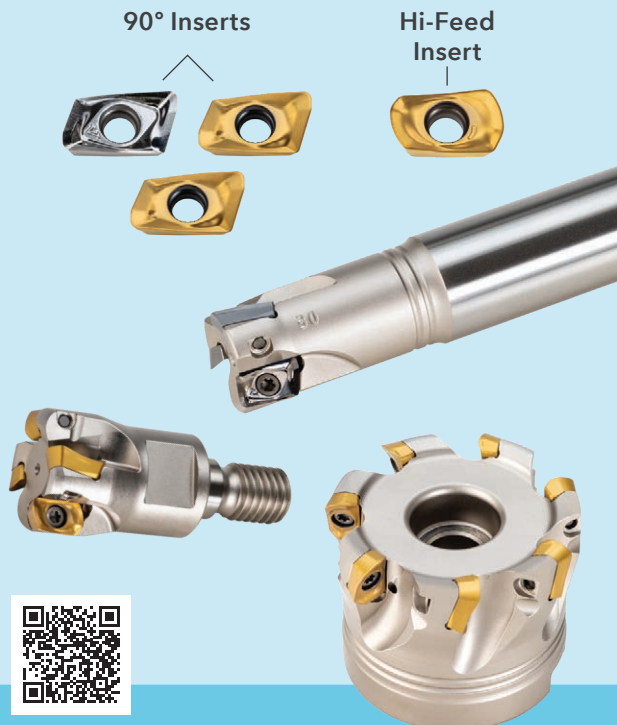
### PURCHASE

10 inserts per pocket

### RECEIVE

corresponding body **FREE**

PC  
400



## DIFEEDWIN<sup>™</sup>V

### Next-Gen Hi-Feed Performance, With New V-Bottom Clamping

- ▶ V-bottom clamping for super secure performance.
- ▶ Insert designed with higher ramping angle for more flexibility.
- ▶ 4 cutting edges per insert offer great economy.
- ▶ Higher cutter densities deliver great productivity.

<b>PURCHASE</b>	<b>PC 401</b>
10 inserts per pocket	
<b>RECEIVE</b>	
corresponding body <b>FREE</b>	



## DIPOSQUAD<sup>™</sup>

### True 90° Shoulder Mills With 8-Edge Economy, Now Featuring New 10 mm Insert Size

- ▶ High axial rake reduces cutting loads and promotes smooth machining.
- ▶ Unequally spaced insert placement aids to diffuse vibration.
- ▶ Integrated wiper flats produce 32-63 Ra finishes.

<b>PURCHASE*</b>	<b>PC 402</b>
10 inserts per pocket	
<b>RECEIVE</b>	
corresponding body <b>FREE</b>	
*10 mm insert only	





## DIPOSQUADF™

### 45° and Hi-Feed Face Mills That Share the Same High-Strength, 8-Edge Insert

- ▶ Extreme geometry enjoys heavy feed rates and promotes efficient chip evacuation.
- ▶ Offered with 2 insert IC sizes for depth-of-cut and density diversity.
- ▶ Integrated wiper flats produce 32-63 Ra finishes.

#### PURCHASE

10 inserts per pocket

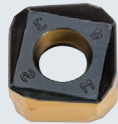
#### RECEIVE

corresponding body **FREE**

PC  
404



11 mm



14 mm



20°



45°



## CERASPEED™

### New, Smaller, 6 mm Ceramic Hi-Feed Insert for Exceptional Productivity

- ▶ Double-sided, dimple type inserts with 4 cutting edges.
- ▶ Dimple style inserts and top clamp holder design provide multi-directional clamping force.
- ▶ Smaller insert allows for smaller cutter diameters and higher insert densities.
- ▶ SiAlON grade IN76N allows cutting speeds up to 36 times greater than solid carbide.

#### PURCHASE\*

10 inserts per pocket

#### RECEIVE

corresponding body **FREE**

PC  
402

\*6 mm insert only



6 mm



# TWIST SPEED™

## New 8xD Bodies, Diameter Range Expansion, and Flat Bottom Tips

- ▶ New, larger diameter range: 0.4724-1.0197" (12.0-25.9 mm).
- ▶ New, 8xD body expansion added to existing 3xD and 5xD bodies.
- ▶ Self-centering geometry for excellent hole precision and surface finish.
- ▶ Quick-change clamping system reduces downtime.

<b>PURCHASE</b>		<b>PC 409</b>
6 tips - any geometry		
<b>RECEIVE</b>		
corresponding body (up to 8xD) <b>FREE</b>		

FPF (Flat Bottom)



Shanks:  
3xD  
5xD  
8xD



FPC (Self-Centering)

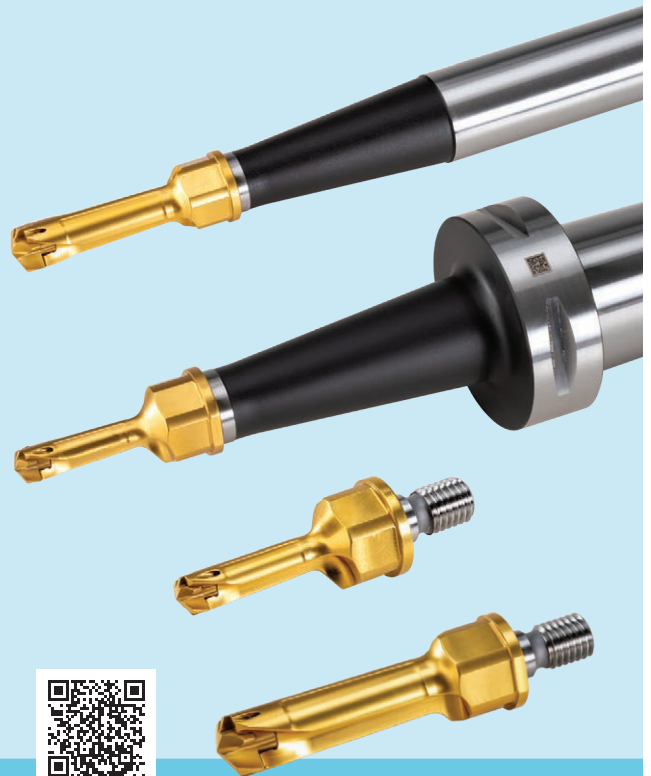


# WIN TWIST™

## Modular Quick Change Drilling with TopOn (M12) Adaption

- ▶ Accommodates a wide range of applications using the TopOn (M12) connection.
- ▶ Simplified set-up for Multi-Spindle and Swiss-type machines.
- ▶ Compatible with existing GoldTwist tips.
- ▶ Coolant thru.

<b>PURCHASE</b>		<b>PC 412</b>
6 GoldTwist tips		
<b>RECEIVE</b>		
corresponding WinTwist (TopOn/M12) body at a <b>50% discount</b>		



# GOLD TWIST™

## New Small Diameter Quick Change Drills

- ▶ Improved productivity and reduced cost for 4.0–5.9 mm diameters.
- ▶ Tips supplied in special preloaded wrench for fast and simple replacement.

<b>PURCHASE*</b>		
6 TPA tips		<b>PC 410</b>
<b>RECEIVE</b>		
corresponding body <b>FREE</b>		
*4.0–5.9 mm diameters only		



# GOLD TWIST™

## Premium Hole Machining With Unique, Self-Centering TPC Geometry

- ▶ Self-centering geometry eliminates piloting for increased productivity in steel and cast iron.
- ▶ Excellent surface finish, hole cylindricity, and straightness.
- ▶ Diameter range: 0.236–1.020" (6.0–25.9 mm)

<b>PURCHASE</b>		
6 TPC self-centering tips		<b>PC 411</b>
<b>RECEIVE</b>		
corresponding body (up to 8xD) at a <b>50% discount</b>		





# SPADETWIST™

## New Self-Centering Geometry for Large Diameter Applications

- ▶ Eliminates the need for piloting for 8xD applications.
- ▶ Excellent accuracy and phenomenal surface finish.
- ▶ Improves cylindricity and straightness.
- ▶ Unique rigid, quick change clamping system.

<b>PURCHASE</b>	
6 tips - any geometry	<b>PC 413</b>
<b>RECEIVE</b>	
corresponding body (up to 8xD) at a <b>50% discount</b>	



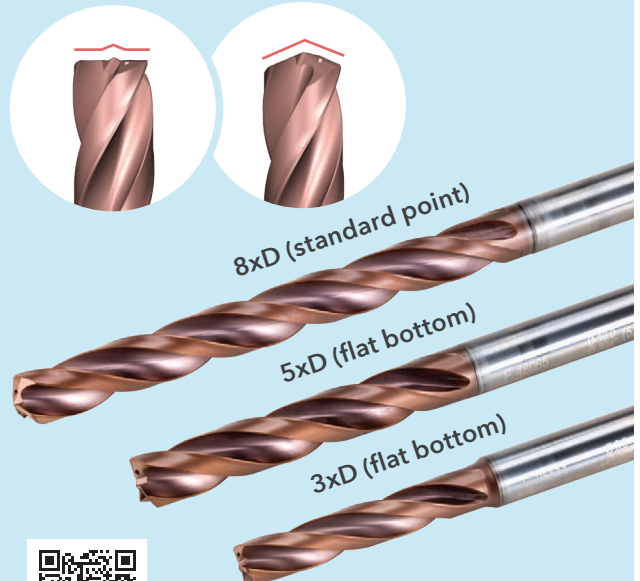
# SOLIDDRILL<sup>3</sup>™

## 3-Flute Solid Drills Expanded to 8xD Depth and New Flat Bottom Geometry

- ▶ 3-flute design allows up to 50% higher feed rates.
- ▶ Flat bottom geometry ideal for drilling cavities in bolt holes.
- ▶ Self-centering geometry eliminates need to pilot up to 8xD.

<b>PURCHASE</b>	
4 drills - any style	<b>PC 408</b>
<b>RECEIVE</b>	
5th drill <b>FREE*</b>	
*Item of equal or lesser value	

Flat Bottom Geometry (FF)    Standard Point Geometry (FR)





# WINTURN™

## 6-Edge Inserts and Holders for All-Directional and Hi-Feed Turning

- ▶ Multi-directional turning applications including backward and forward longitudinal turning and facing.
- ▶ Hi-feed capabilities; up to .047 ipr when backward turning.
- ▶ Serrated cutting edge enables excellent chip control at a variety of cutting depths.
- ▶ Optimally designed negative (double-sided) insert with 6 cutting edges.
- ▶ When mounted to the holder, WinTurn features the same axial and radial rake angle as standard positive inserts, lowering cutting forces.

<b>PURCHASE</b>	
20 inserts	<b>PC 414A</b>
<b>RECEIVE</b>	
external holder <b>FREE</b>	

<b>PURCHASE</b>	
30 inserts	<b>PC 414B</b>
<b>RECEIVE</b>	
CoolBurst holder <b>FREE</b>	

TNMV-BS  
(for stainless steel)



TNMV-BM  
(for steel)



Coolant Thru



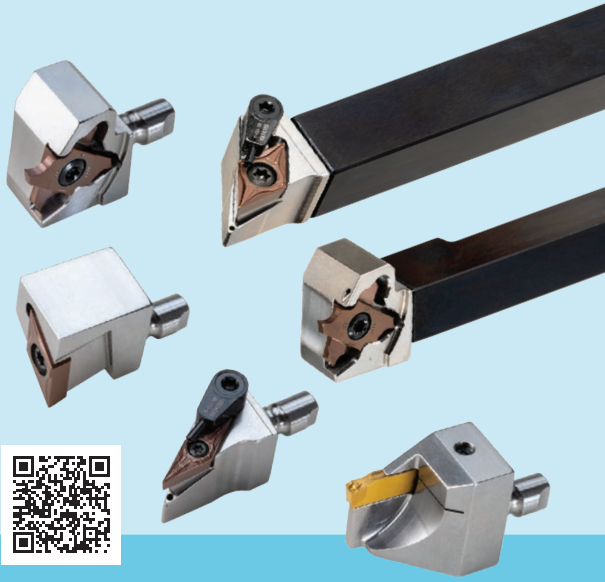
## FLEXTURN™

### Time-saving Modular Head and Holder System for Swiss Machines

- ▶ Improved productivity due to reduced set-up time.
- ▶ Rigid clamping between shanks and heads, and excellent repeatability.
- ▶ Reduced inventory due to the ability to mount multiple heads on one shank.

<b>PURCHASE</b>	
one shank and 10 inserts	<b>PC 415A</b>
<b>RECEIVE</b>	
corresponding head <b>FREE</b>	

<b>PURCHASE</b>	
one shank and 20 inserts	<b>PC 415B</b>
<b>RECEIVE</b>	
corresponding CoolBurst head <b>FREE</b>	

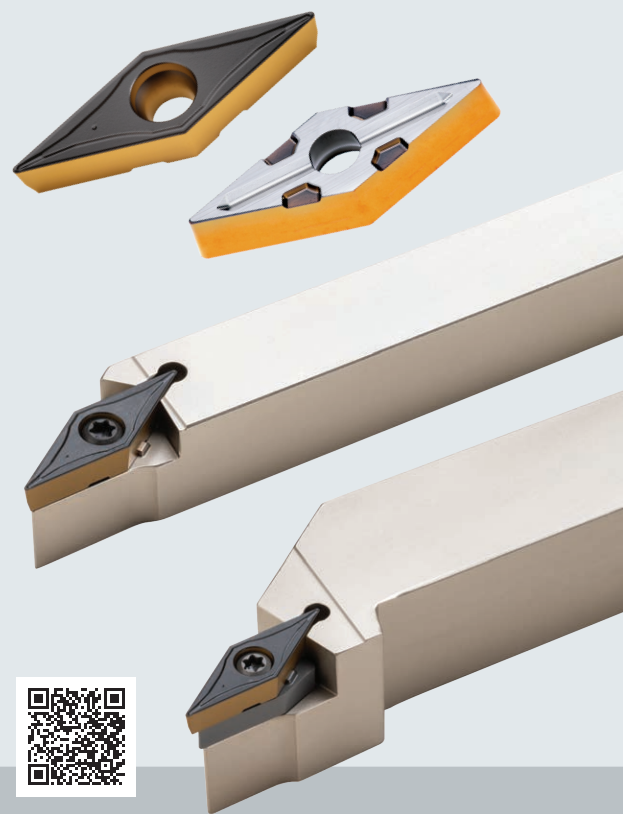


## MULTITURN™

### VBMX Insert and Holders With Rigid Clamping

- ▶ 35° inserts and holder system for precision machining.
- ▶ Groove on insert bottom prevents insert from moving in the pocket (when used with LVJBR holders).
- ▶ Simple, screw-held clamping.

<b>PURCHASE</b>	
20 inserts	<b>PC 417</b>
<b>RECEIVE</b>	
corresponding LVJBR/L external holder <b>FREE</b>	

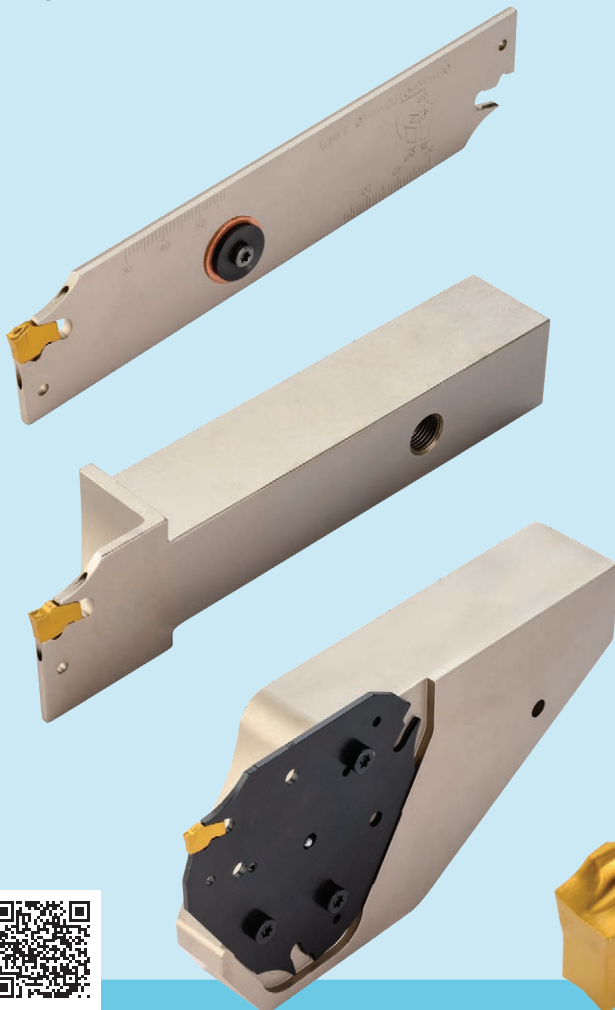






## Single-Ended Rigid Inserts and Holders for Parting and Deep Grooving with Unique Adapters

- ▶ Stable insert clamping with 3-point contact area.
- ▶ Very rigid triangular blades and dedicated holders with thru-coolant.
- ▶ Improved productivity due to hi-feed machining capability.
- ▶ Straighter cuts, better surface finish, longer tool life.

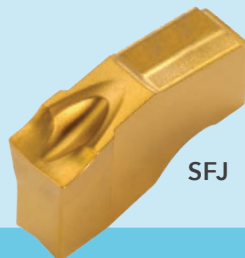


<b>PURCHASE</b>	PC 416A
one block and 10 inserts	
<b>RECEIVE</b>	
triangle blade <b>FREE</b>	

<b>PURCHASE</b>	PC 416B
one block and 20 inserts	
<b>RECEIVE</b>	
CoolBurst triangle blade <b>FREE</b>	

<b>PURCHASE</b>	PC 416C
20 inserts	
<b>RECEIVE</b>	
traditional blade or square shank holder <b>FREE</b>	

<b>PURCHASE</b>	PC 416D
40 inserts	
<b>RECEIVE</b>	
CoolBurst traditional blade or square shank holder <b>FREE</b>	



SFJ



SFC



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