

2020 ACTION BOOK



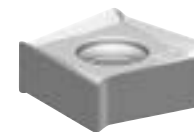
EXPERIENCE INNOVATION AND RELIABILITY ENABLED BY DIGITAL SOLUTIONS

VSM890™-12

VSM890-12
90 Degree Shoulder Mills



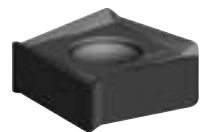
-ALP



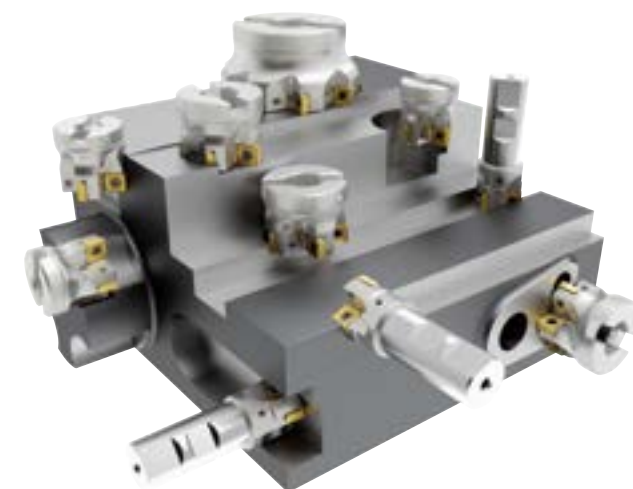
-ML



-MM



Applications



WIDIA 

WIDIA 



VSM490-10, -12
90 Degree Shoulder Mills

VSM490™-10, -15



-ALP



-ML



-MM



-MH



Applications



WIDIA 

WIDIA 



VXF™

VXF

High-Feed Mills • VXF-07, VXF-09, VXF-12, and VXF-16



-MM



-MH



-MM



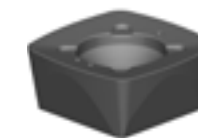
-MH



-MM



-MH

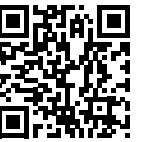


-MM



WIDIA 

WIDIA 



M1200 Face Mills

M1200



WIDIA 

WIDIA 

TDMX™

TDMX Modular Drills



PK(M)



FP(E)



The combination of an extra stable pocket seat design, reinforced cutting corners, and a through grade, ensures increased process reliability and consequently longer tool life associated, with better hole quality.

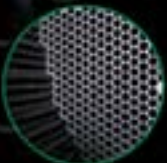
The WP40PD grade provides the right toughness to face even the most unstable cutting conditions while also suitable for MQL applications.

The PK(M) point geometry is designed to operate high feed rates and provide the right guidance for improved hole straightness.

The FPE(M) flat bottom geometry is the solution to address the most challenging operations such as thin stack plate drilling, half holes, and any other applications where the standard 140° shows limits. FPE(M) can also be used as pilot for deep-hole drills.



Baffles



Tube Sheets



I-Beams



Valves



Cable Tensioner
- Post Tension System



Axles



Track Drive
Components



TDM1
Modular Drills

TDM1™



UP(M)



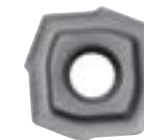


Top Cut 4 Indexable Drills

Top Cut 4™



-V34



-V36



-V36
WN10PH



-V38



WIDIA 

WIDIA 

WGC

WGC
Grooving and Cut-Off



★ ALL-STAR



Grooving

Precision Moulded
and Ground



P M N S

PT-Positive Rake

Precision Moulded



P M K H

PN-Negative Rake

Cut-Off

Precision Moulded
and Ground



P M N S

F-Fine

Precision Moulded



P K

M-Medium



P M

R-Rough

Profiling

Precision Ground



P M N S

PC-Full Radius

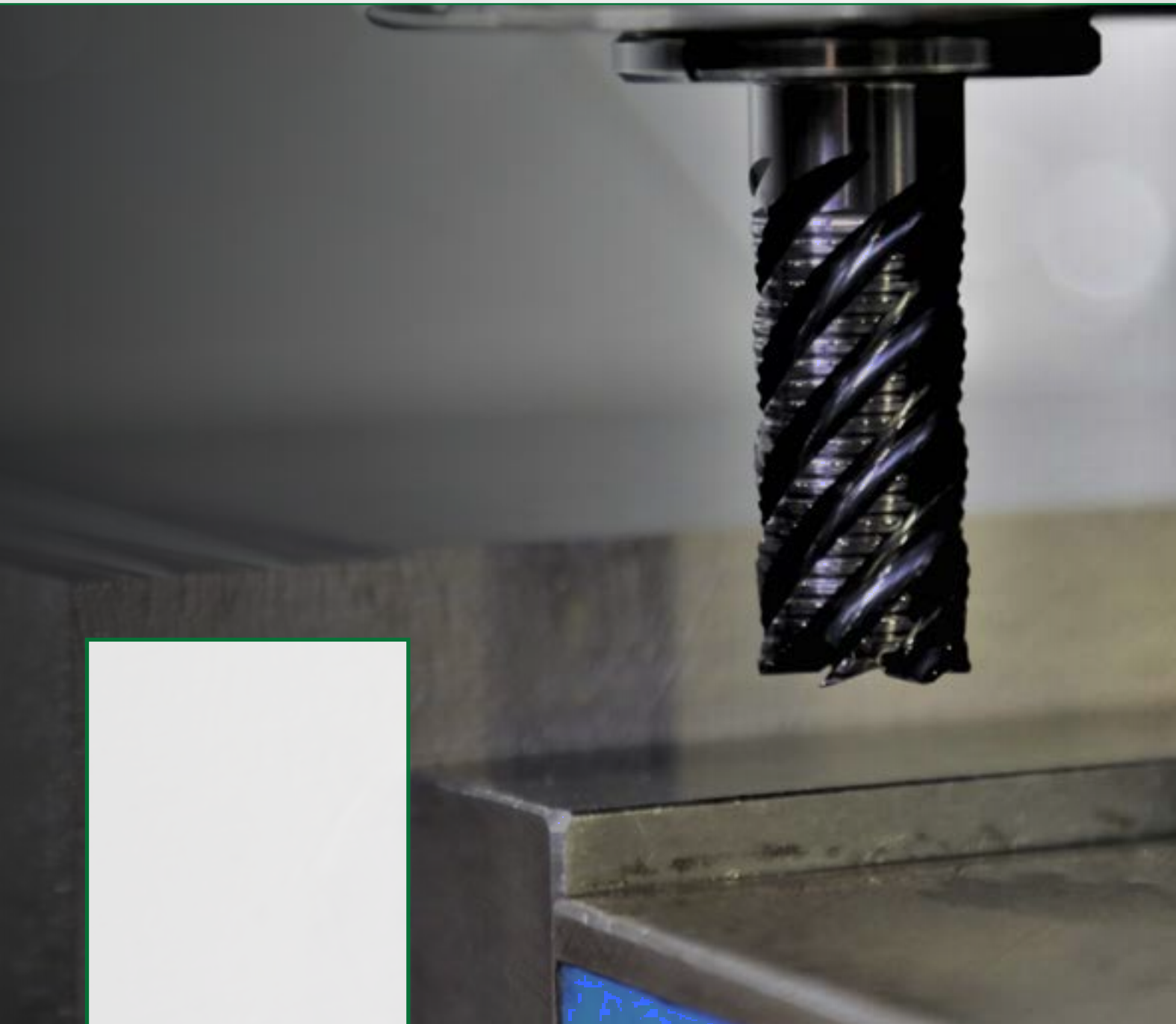
WIDIA

WIDIA



70NS, 4U80, 4U50
High-Performance Solid Carbide End Mills

70NS, 4U50, 4U80

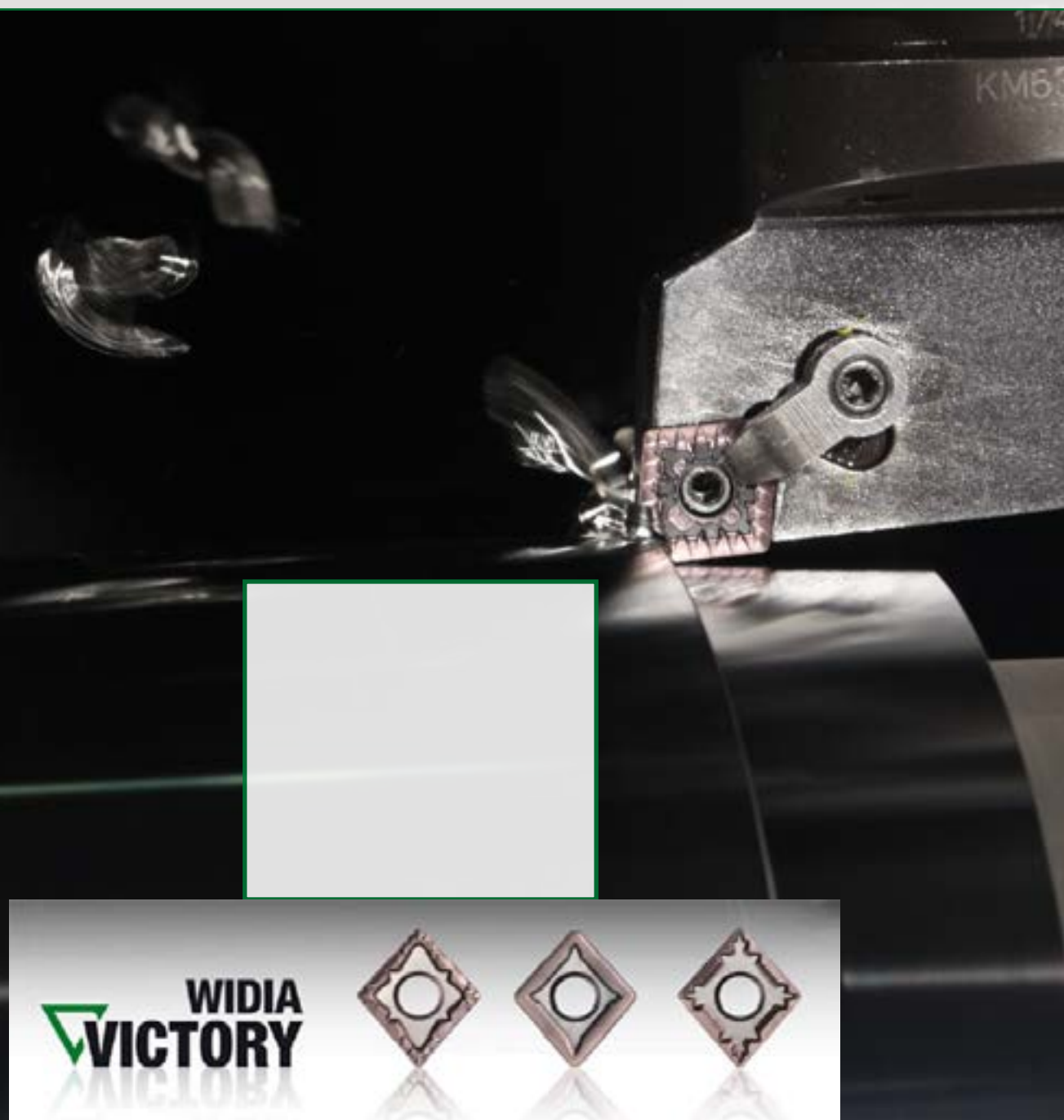


WIDIA 

WIDIA 

ISO TURNING

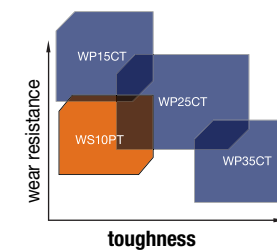
WIDIA™ Victory™
A complete high-performance turning portfolio



**WIDIA
VICTORY**

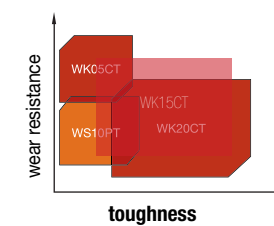


Victory Toughness/Wear Resistance



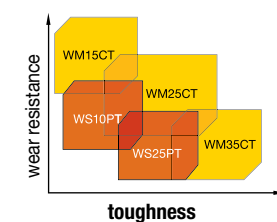
WP Grades for Steel

- Three grades and seven primary geometries for use in roughing to finishing operations.
- Increase cutting speed and/or feed rate to gain productivity.



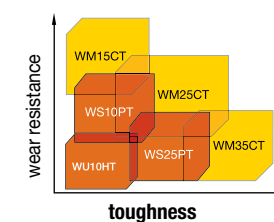
WK Grades for Cast Iron

- Two grades to cover all of your cast iron turning operations.
- Very good balance of wear resistance and toughness for long predictable tool life. Flat top geometry for machining cast iron. For finishing to roughing applications.
- New grade WK15CT



WM Grades for Stainless Steel

- Three grades across 12 geometries for use in roughing to finishing operations.
- Increase cutting speed and/or feed rate by up to 30% over similar competitive grades.



WS Grades for High-Temp Alloys

- Two grades for use in roughing to finishing operations.
- Very good wear resistance for longer tool life.
- One uncoated grade for use in titanium.

WIDIA

WIDIA