



2019

S U M M E R / F A L L

P R O M O P A C K

HIGH-FEED MILLING Offers



VALID THROUGH
December 31, 2019

KPTI Company Overview

Established in April 2014, KPTI unifies two of the world's leading cutting tool manufacturers, Kyocera Tycom Corporation (KTC) and the Cutting Tool Division of Kyocera Industrial Ceramics Corporation (KICC-CT).

The new company creates a combined enterprise that optimizes the strengths of both organizations and facilitates expansion of Kyocera's overall cutting tool-related business in North America. The new combined entity will unify cutting tool resources to create greater efficiencies while positioning the new organization for continued success.

Customers will benefit from a unified sales and support team offering improved customer service and an expanded portfolio of cutting tool products and solutions for the automotive, aerospace, general machining, medical, power generation, printed circuit board and steel markets.

KPTI North American Operations



Costa Mesa, CA

Wapakoneta, OH

Hendersonville, NC



Administration & Manufacturing

- Administration & Accounting Center
- Micro-Tools Manufacturing
- Printed Circuit Board Drill Manufacturing
- Micro-Tools & PCB Sales & Customer Service Center

Steel Tool Holder Manufacturing

- Indexable Drills
- Milling End Mills & Face Mills
- Boring Bars
- Turning and Grooving Holders
- API Ring Groovers

Sales, Tech Center & Marketing

- North American Tech Center
- North American Sales, Marketing & Customer Service Center

KPTI

Manufactured Products



Steel Toolholders for Milling, Turning, Grooving, Threading and Drilling Metal



Indexable metal cutting inserts made of carbide, ceramic, cermet, Cubic Boron Nitride, and Polycrystalline diamond



Solid carbide cutting tools for tight tolerance and micro-diameter metal cutting applications

KPTI Markets Served



Automotive



Aerospace



Medical



Printed Circuit Board



Power Generation

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Please use specified Promo Code or Kit Part Number when placing orders. To locate a distributor visit www.kyoceraprecisiontools.com/locate. Prices shown valid in U.S. only.

Explore the Many Ways to Save with the Kyocera 2019 Summer / Fall Promo Pack

In 2019 Kyocera Precision Tools, Inc. is offering more ways to advance your productivity while also reducing your tooling costs. With our wide array of indexable and solid round cutting tools, we strive to be your primary source for high-quality, cost-effective solutions for all of your metal cutting needs. Read below for our latest cost-savings opportunities.

To learn more about KPTI, please visit www.kyoceraprecisiontools.com.

High-Feed Milling Solutions

MFH-Micro High Feed Mills	Cost-Efficient Kits Featuring (1) Holder and (10) Inserts	P4
MFH-Mini High Feed Mills	Cost-Efficient Kits Featuring (1) Holder and (10) Inserts	P6
MFH-RAPTOR High Feed Mills	Cost-Efficient Kits Featuring (1) Holder and (10) Inserts	P8



Locate a Distributor

Use our *Locate a Distributor* map at:
www.KyoceraPrecisionTools.com/locate



MFH-RAPTOR MICRO

Smallest Diameter in High Feed Milling Series

Durable Design Aids in Chatter Resistance

Maximum D.O.C. 0.020" with stable high feed machining in a wide range of applications

Replaces Solid End Mills to Reduce Machining Costs

Suppresses chattering and increases milling efficiency

Advanced Coating Technology

MEGACOAT NANO Coating technology increases tool life when machining difficult-to-cut materials



Molded Convex Cutting Edge

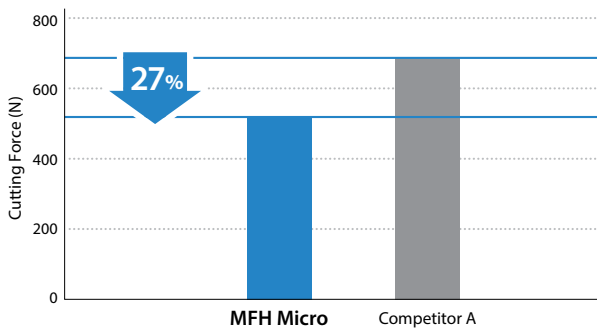


High Precision G Class Insert

1 Stable Machining with Chattering Resistance

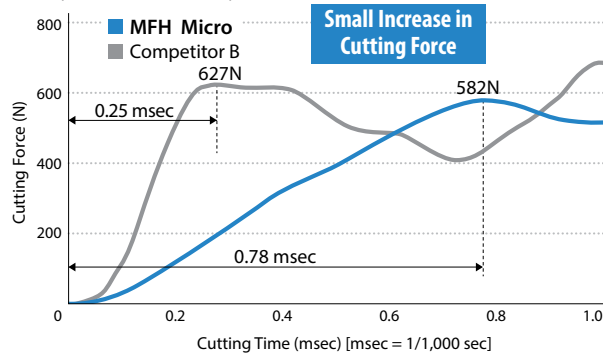
Molded Convex Cutting Edge Controls Initial Impact when Entering the Workpiece

Cutting Force Comparison (In-house Evaluation)



Cutting Conditions: $V_c = 390$ sfm, $f_z = 0.024$ ipt, D.O.C. = 0.016"
Cutter Dia. $\emptyset 0.375$ ", Slotting, Dry Workpiece: 1049

Increase in Cutting Force when Entering Work Piece (In-house Evaluation)



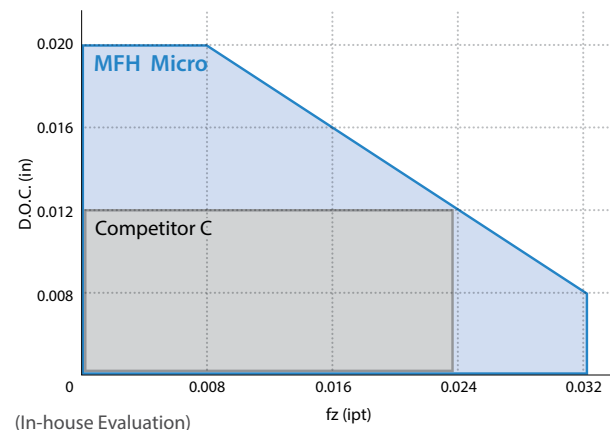
Cutting Conditions: $V_c = 390$ sfm, $f_z = 0.024$ ipt, D.O.C. $\times a_e = 0.016" \times 0.197"$
Cutter Dia. $\emptyset 0.375$ ", Dry Workpiece: 1049

2 Wide Range of Machining Applications

Wide Range of Machining Applications at a Maximum Depth of Cut of 0.020"

Stable Machining Even with Small Machining Centers

Cutting Performance Map (Cutter Dia. $\emptyset 0.375$ ")



(In-house Evaluation)

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MEGACOAT NANO
PR1525

First Choice for Carbon Steel and Alloy Steel

MEGACOAT NANO
PR1535

First Choice for Titanium and
Austenitic Stainless Steel

CVD Coated Carbide
CA6535

First Choice For Heat-Resistant Alloys and
Martensitic Stainless Steel


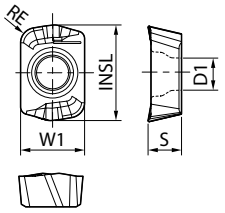


MFH-Micro End Mill Kits

Includes (1) Cutter and (10) Inserts
Choose your Cutter and Insert Grade

	Pick 1 Cutter Part Number	Cutting Dia.	No. of Insert Pockets	Insert Part Number See Below	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	U.S. Kit Price
Standard Shank (Cylindrical)	MFH 0500-S500-01-3T-3	0.500"	3	LPGT010210ER-GM	PR1525	MFH0500S500013T3 KIT1	\$180.00
					PR1535	MFH0500S500013T3 KIT2	
					CA6535	MFH0500S500013T3 KIT3	
	MFH 0625-S625-01-4T35	0.625"	4	LPGT010210ER-GM	PR1525	MFH0625S625014T35 KIT1	\$220.00
					PR1535	MFH0625S625014T35 KIT2	
					CA6535	MFH0625S625014T35 KIT3	

MFH-RAPTOR Micro Inserts

Usage Classification	P	Carbon Steel / Alloy Steel		★	★					
		Mold Steel								
★ Roughing / 1st Choice ☆ Roughing / 2nd Choice (When hardness is under 45HRC)	M	Austenitic Stainless Steel		★	☆					
		Martensitic Stainless Steel		☆	★					
	S	Heat Resistant Alloy (Ni-base)		☆	★					
Titanium Alloy (Ti-6Al-4V)		★								
Insert	Part Number	Dimensions (in)					MEGACOAT NANO		CVD Coating	
		W1	S	D1	INSL	RE	PR1535	PR1525	CA6535	
 General Purpose		LPGT 010210ER-GM	0.165	0.086	0.083	0.247	0.039	●	●	●

● : Standard Item



MFH-RAPTOR *Mini*

Small Diameter High Feed End Mills & Face Mills

Expanded Lineup

New MFH-Mini face mills now available in 1.500" and 2.000" diameters

Higher Productivity

Double-sided 4-edge inserts will save money and increase productivity

Advanced Coating Technology

MEGACOAT NANO Coating technology increases tool life when machining difficult-to-cut materials



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First Choice for Titanium and Austenitic Stainless Steel

CVD Coated Carbide
CA6535

First Choice For Heat-Resistant Alloys and Martensitic Stainless Steel



MFH-Mini Face Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade

Pick 1 Cutter Part Number		Cutting Dia.	No. of Insert Pockets	Insert Part Number See Page 7	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	U.S. Kit Price
Face Mills	MFH 1500R-03-5T	1.500"	5	LOGU030310ER-GM	PR1525	MFH1500R035T KIT1	\$350.00
					PR1535	MFH1500R035T KIT2	
					CA6535	MFH1500R035T KIT3	
	MFH 1500R-03-6T	1.500"	6	LOGU030310ER-GM	PR1525	MFH1500R036T KIT1	\$360.00
					PR1535	MFH1500R036T KIT2	
					CA6535	MFH1500R036T KIT3	
	MFH 2000R-03-8T	2.000"	8	LOGU030310ER-GM	PR1525	MFH2000R038T KIT1	\$500.00
					PR1535	MFH2000R038T KIT2	
					CA6535	MFH2000R038T KIT3	

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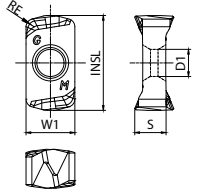
MFH-Mini End Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade

	Pick 1 Cutter Part Number	Cutting Dia.	No. of Insert Pockets	Insert Part Number See Below	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	U.S. Kit Price
End Mills Standard Shank (Weldon)	MFH 0625-W625-03-2T-3	0.625"	2	LOGU030310ER-GM	PR1525	MFH0625W625032T3 KIT1	\$240.00
					PR1535	MFH0625W625032T3 KIT2	
					CA6535	MFH0625W625032T3 KIT3	
	MFH 0750-W750-03-3T-4	0.750"	3	LOGU030310ER-GM	PR1525	MFH0750W750033T4 KIT1	\$280.00
					PR1535	MFH0750W750033T4 KIT2	
					CA6535	MFH0750W750033T4 KIT3	
	MFH 1000-W100-03-4T47	1.000"	4	LOGU030310ER-GM	PR1525	MFH1000W100034T47 KIT1	\$290.00
					PR1535	MFH1000W100034T47 KIT2	
					CA6535	MFH1000W100034T47 KIT3	
	MFH 1000-W100-03-5T47	1.000"	5	LOGU030310ER-GM	PR1525	MFH1000W100035T47 KIT1	\$310.00
					PR1535	MFH1000W100035T47 KIT2	
					CA6535	MFH1000W100035T47 KIT3	
	MFH 1250-W125-03-5T-5	1.250"	5	LOGU030310ER-GM	PR1525	MFH1250W125035T5 KIT1	\$320.00
					PR1535	MFH1250W125035T5 KIT2	
					CA6535	MFH1250W125035T5 KIT3	
	MFH 1250-W125-03-6T-5	1.250"	6	LOGU030310ER-GM	PR1525	MFH1250W125036T5 KIT1	\$330.00
					PR1535	MFH1250W125036T5 KIT2	
					CA6535	MFH1250W125036T5 KIT3	
End Mills Standard Shank (Cylindrical)	MFH 0625-S625-03-2T-6	0.625"	2	LOGU030310ER-GM	PR1525	MFH0625S625032T6 KIT1	\$260.00
					PR1535	MFH0625S625032T6 KIT2	
					CA6535	MFH0625S625032T6 KIT3	
	MFH 0750-S750-03-3T65	0.750"	3	LOGU030310ER-GM	PR1525	MFH0750S750033T65 KIT1	\$290.00
					PR1535	MFH0750S750033T65 KIT2	
					CA6535	MFH0750S750033T65 KIT3	
	MFH 1000-S100-03-4T-7	1.000"	4	LOGU030310ER-GM	PR1525	MFH1000S100034T7 KIT1	\$330.00
					PR1535	MFH1000S100034T7 KIT2	
					CA6535	MFH1000S100034T7 KIT3	
	MFH 1250-S125-03-5T-8	1.250"	5	LOGU030310ER-GM	PR1525	MFH1250S125035T8 KIT1	\$350.00
					PR1535	MFH1250S125035T8 KIT2	
					CA6535	MFH1250S125035T8 KIT3	

MFH-RAPTOR Mini Inserts

Usage Classification	P	Carbon Steel / Alloy Steel					★			
		Mold Steel					★			
★ Roughing / 1st Choice ☆ Roughing / 2nd Choice (When hardness is under 45HRC)	M	Austenitic Stainless Steel					★	☆		
		Martensitic Stainless Steel					☆		★	
	S	Heat Resistant Alloy (Ni-base)					☆		★	
Titanium Alloy (Ti-6Al-4V)					★					
Insert	Part Number	Dimensions (in)					MEGACOAT NANO			CVD Coating
		W1	S	D1	INSL	RE	PR1535	PR1525	CA6535	
 General Purpose		LOGU 030310ER-GM	0.244	0.156	0.136	0.469	0.039	●	●	●

● : Standard Item

KYOCERA Precision Tools, Inc.

P : 800.823.7284 • F : 828.692.1344 • E : ctsales@kyocera.com

Official Website : www.kyoceraprecisiontools.com • Distributor Website : mykpti.kyocera.com



MFH-RAPTOR

Anti-Vibration Design for High Feed Milling Applications

High Feed with Less Vibration

Offering a variety of options with 3 different insert designs

Higher Productivity

Available for ramping and helical milling

Advanced Coating Technology

MEGACOAT NANO Coating technology increases tool life when machining difficult-to-cut materials



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CVD Coated Carbide
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MFH-RAPTOR End Mill Kits

Includes (1) Cutter and (10) Inserts
Choose your Cutter and Insert Grade

	Pick 1 Cutter Part Number	Cutting Dia.	No. of Insert Pockets	Insert Part Number See Page 11	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	U.S. Kit Price
End Mills Standard Shank (Weldon)	MFH 1000-W100-10-2T	1.000"	2	SOMT100420ER-GM	PR1525	MFH1000W100102T KIT1	\$210.00
					PR1535	MFH1000W100102T KIT2	
					CA6535	MFH1000W100102T KIT3	
	MFH 1250-W125-10-3T	1.250"	3	SOMT100420ER-GM	PR1525	MFH1250W125103T KIT1	\$250.00
					PR1535	MFH1250W125103T KIT2	
					CA6535	MFH1250W125103T KIT3	
	MFH 1500-W150-10-3T	1.500"	3	SOMT100420ER-GM	PR1525	MFH1500W150103T KIT1	\$330.00
					PR1535	MFH1500W150103T KIT2	
					CA6535	MFH1500W150103T KIT3	
	MFH 1500-W150-10-4T	1.500"	4	SOMT100420ER-GM	PR1525	MFH1500W150104T KIT1	\$370.00
					PR1535	MFH1500W150104T KIT2	
					CA6535	MFH1500W150104T KIT3	

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MFH-RAPTOR End Mill Kits (Continued)

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade

	Pick 1 Cutter Part Number	Cutting Dia.	No. of Insert Pockets	Insert Part Number See Page 11	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	U.S. Kit Price
End Mills Long Shank (Cylindrical)	MFH 1000-S100-10-2T-8	1.000"	2	SOMT100420ER-GM	PR1525	MFH1000S100102T8 KIT1	\$260.00
					PR1535	MFH1000S100102T8 KIT2	
					CA6535	MFH1000S100102T8 KIT3	
	MFH 1250-S125-10-2T-8	1.250"	2	SOMT100420ER-GM	PR1525	MFH1250S125102T8 KIT1	\$280.00
					PR1535	MFH1250S125102T8 KIT2	
					CA6535	MFH1250S125102T8 KIT3	
	MFH 1500-S125-10-4T-10	1.500"	4	SOMT100420ER-GM	PR1525	MFH1500S125104T10 KIT1	\$350.00
					PR1535	MFH1500S125104T10 KIT2	
					CA6535	MFH1500S125104T10 KIT3	



MFH-RAPTOR Face Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade


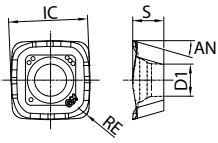
Pick 1 Cutter Part Number		Cutting Dia.	No. of Insert Pockets	Insert Part Number See Page 11	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	U.S. Kit Price
Face Mills	MFH 2000R-10-4T	2.000"	4	SOMT100420ER-GM	PR1525	MFH2000R104T KIT1	\$370.00
					PR1535	MFH2000R104T KIT2	
					CA6535	MFH2000R104T KIT3	
	MFH 2000R-10-5T	2.000"	5	SOMT100420ER-GM	PR1525	MFH2000R105T KIT1	\$370.00
					PR1535	MFH2000R105T KIT2	
					CA6535	MFH2000R105T KIT3	
	MFH 2500R-10-5T	2.500"	5	SOMT100420ER-GM	PR1525	MFH2500R105T KIT1	\$380.00
					PR1535	MFH2500R105T KIT2	
					CA6535	MFH2500R105T KIT3	
	MFH 2500R-10-6T	2.500"	6	SOMT100420ER-GM	PR1525	MFH2500R106T KIT1	\$390.00
					PR1535	MFH2500R106T KIT2	
					CA6535	MFH2500R106T KIT3	
	MFH 3000R-10-7T	3.000"	7	SOMT100420ER-GM	PR1525	MFH3000R107T KIT1	\$400.00
					PR1535	MFH3000R107T KIT2	
					CA6535	MFH3000R107T KIT3	
	MFH 2000R-14-4T	2.000"	4	SOMT140520ER-GM	PR1525	MFH2000R144T KIT1	\$360.00
					PR1535	MFH2000R144T KIT2	
					CA6535	MFH2000R144T KIT3	
MFH 2500R-14-5T	2.500"	5	SOMT140520ER-GM	PR1525	MFH2500R145T KIT1	\$370.00	
				PR1535	MFH2500R145T KIT2		
				CA6535	MFH2500R145T KIT3		
MFH 3000R-14-5T	3.000"	5	SOMT140520ER-GM	PR1525	MFH3000R145T KIT1	\$380.00	
				PR1535	MFH3000R145T KIT2		
				CA6535	MFH3000R145T KIT3		
MFH 3000R-14-6T	3.000"	6	SOMT140520ER-GM	PR1525	MFH3000R146T KIT1	\$430.00	
				PR1535	MFH3000R146T KIT2		
				CA6535	MFH3000R146T KIT3		
MFH 4000R-14-6T	4.000"	6	SOMT140520ER-GM	PR1525	MFH4000R146T KIT1	\$440.00	
				PR1535	MFH4000R146T KIT2		
				CA6535	MFH4000R146T KIT3		
MFH 4000R-14-7T	4.000"	7	SOMT140520ER-GM	PR1525	MFH4000R147T KIT1	\$470.00	
				PR1535	MFH4000R147T KIT2		
				CA6535	MFH4000R147T KIT3		
MFH 5000R-14-7T	5.000"	7	SOMT140520ER-GM	PR1525	MFH5000R147T KIT1	\$620.00	
				PR1535	MFH5000R147T KIT2		
				CA6535	MFH5000R147T KIT3		
MFH 6000R-14-8T	6.000"	8	SOMT140520ER-GM	PR1525	MFH6000R148T KIT1	\$820.00	
				PR1535	MFH6000R148T KIT2		
				CA6535	MFH6000R148T KIT3		

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MFH-Raptor Inserts

Usage Classification		P	Carbon Steel / Alloy Steel					★		
			Mold Steel					★		
★ Roughing / 1st Choice ☆ Roughing / 2nd Choice (When hardness is under 45HRC)		M	Austenitic Stainless Steel				★	☆		
			Martensitic Stainless Steel				☆			★
		S	Heat Resistant Alloy (Ni-base)				☆			★
			Titanium Alloy (Ti-6Al-4V)				★			
Insert		Part Number	Dimensions (in)				Angle	MEGACOAT NANO		CVD Coating
			IC	S	D1	RE		AN	PR1535	
		SOMT 100420ER-GM	0.406	0.180	0.181	0.079	16°	●	●	●
		SOMT 140520ER-GM	0.557	0.219	0.228	0.079	16°	●	●	●

General Purpose

● : Standard Item

NEW MACHINE?



GET DEEP DISCOUNTS

*on indexable and solid round products used
to tool-up a new machining center*

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and start building your package today!*

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