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**MECHMATRIX** offers the **CERATIZIT** MAXIMILL Range of High Feed Milling Tools.

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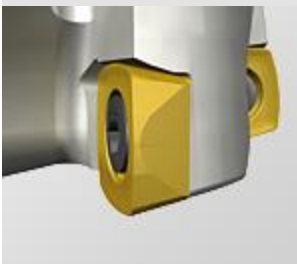
Designed for:

- Achieving faster Machining Time
- Lower Load on Spindle
- Economical Cutting
- Higher machine Free time



**Security first the CERATIZIT concept**

The security package comprises robust clamping screws, torque screwdrivers and extensive measurement of the centrifugal forces during the development process. The system is suitable for high feed cutting. The security of the operator as well as process security is guaranteed.



**Reduced machining noise and vibration - Light cutting geometries**

Extremely positive cutting angle:

Soft cutting and reduced cutting noise! The cutting forces are mainly in the axial direction:

Even with long overhang lengths there is almost no vibration, and little stress on the machine spindle.

Sr. No.	Customer Name	Product Description (Order Code)	Technical Specifications		Result / Observation	Benefits
1	Samtech	Dia 50mm Maxi Mill Cutter AHFC.50 .R.04-12	Material	Die Steel	2.5 Times higher material removal rate. Increase in Components produced per shift.	Increase in Machining Productivity
			RPM (n)	1000 mm	55% Reduction in machining time.	Reduction in Machining Cycle Time .
			Depth Of Cut (ap)	0.4 mm	Less noise as compared to Bull Nose. Smooth metal cutting.	Reduced Machining Noise and Vibration.
			Feed Per Minute (Vf)	8000 mm/min		
2	Om Sai Moulds	Dia 50mm Maxi Mill Cutter AHFC.50.R.04-12	Material	C45	Four times reduction in machining time compare to Bull Nose Cutter.	Increase in Machining Profitability.
			RPM (n)	1000 mm		
			Depth Of Cut (ap)	0.5 mm	Finish on Job is satisfactory. Job is acceptable to the customer	Reduced Rejections.
			Feed Per Minute (Vf)	7000 mm/min		
3	D J Irrigation	Dia 50mm Maxi Mill Cutter AHFC.50.R.04-12	Material	Die Steel	3 Times higher material removal rate.	Maximum Chip Removal rate - Higher Machining Profits.
			RPM (n)	1000 mm	65% Reduction in machining time.	Better Control over the process of Machining.
			Depth Of Cut (ap)	0.4 mm		
			Feed Per Minute (Vf)	8000 mm/min	High Cutting Performance + Security when Milling with Extreme Feed rates.	
4	Atharva Associates	Dia 50mm Maxi Mill Cutter AHFC.50.R.04-12	Material	C45	Five times reduction in machining time compare to bull nose.	Economical Milling.
			RPM (n)	1000 mm	Less noise as compared to Bull Nose	Smooth metal cutting. Low stress on Spindle.
			Depth Of Cut (ap)	1.0mm	Finish on Job is satisfactory	Reduced Load of Finish machining process . Lower Cycle time .
			Feed Per Minute (Vf)	6000 mm/min		
5	Master Moulds PVT. LTD.	Dia 32mm Maxi Mill Cutter CHFC.32.R.02-12	Material	P20	Three times reduction in machining time compare to bull nose.	Increase in Machining Productivity

			RPM (n)	1620 mm	Less noise as compared to Bull Nose. Smooth metal cutting.	Low Power Consumption due to Soft Cutting and Positive Cutting Geometry.
			Depth Of Cut (ap)	0.5 mm	Finish on Job is satisfactory	No rejections . Job is acceptable to the customer
			Feed Per Minute (Vf)	4000 mm/min		
6	MS Industrial Component	Dia 25mm Maxi Mill Cutter CHFC.25.R.03-09	Material	EN8	50% Reduction in machining time.	Increase in Machining Productivity
			RPM (n)	2000 mm	Less noise as compared to Hitachi. Soft Cutting.	Reduced Vibration for Maximum Spindle Protection.
			Depth Of Cut (ap)	0.9 mm		
			Feed Per Minute (Vf)	3300 mm/min	Life is 2 Times compared Hitachi Inserts	Reduction in Tooling cost
7	Marut Energy / Ahire Machine Tools Pvt Ltd	Dia 50mm Maxi Mill Cutter AHFC.50.R.04-12	Material	EN8	50% Reduction in machining time.	Increase in Machining Productivity
			RPM (n)	1200 mm	Finish on Job is satisfactory. Job Accepted by Customer.	No rejections Due to Machining Finish Quality.
			Depth Of Cut (ap)	1.0 mm		
			Feed Per Minute (Vf)	4000 mm/min	Tool life is three times compare to existing cutter	Reduction in Tooling cost
8	Shree Engineers	Dia 50mm Maxi Mill Cutter AHFC.50.R.04-12	Material	Titanium	Smooth cutting as compare to Hitachi High feed cutter.	Lower Spindle Load and Reduced Vibrations.
			RPM (n)	320 mm	Life of Insert is 3 times compare Hitachi cutter.	Maximum Economy . Thanks to 4 Cutting Edges.
			Depth Of Cut (ap)	2.0 mm	Less noise as compared to Hitachi Cutter.	Reduced Spindle Load and Vibrations and Noise.
			Feed Per Minute (Vf)	384 mm/min		
9	Cears	Dia 50mm Maxi Mill Cutter AHFC.50.R.04-12	Material	D3	50% higher life compare to Taegutec High Feed Cutter	Increase in Machining Productivity
			RPM (n)	1050 mm	Less noise as compared to Taegutec High Feed.	Vibration and Chatter Free Milling. Reduced Stress On Spindle.
			Depth Of Cut (ap)	0.5 mm		
			Feed Per Minute (Vf)	4200 mm/min	Tool life is 1.5 times compare to existing cutter	Reduction in Tooling cost




WATCH  
NOW

Cut your Milling Cycle Time:

High Speed MAXIMILL HFC in action:

<http://www.youtube.com/watch?v=r3TD4lkQRPC>



WATCH  
NOW

MILL Your Machining Costs:

CERATIZIT MAXIMILL C211 series :

<http://www.youtube.com/watch?v=gazFIE2jv4Y>



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Call Now - For more information on how MECHMATRIX Can help you Reduce your Cycle Time and Machining Costs – 09225133035/ +91.253- 6698801 / 02/ 03.

Our Support team shall be happy to assist you accordingly.

**Disclaimer:**

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> For more information on our products and services, please visit us at [www.mechmatrix.in](http://www.mechmatrix.in).

> As a part of this continuous improvement programme , the mentioned size, dimensions, specifications & design are subject to change without prior notice.

> Illustrations indicated above are for reference only.