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Here, you will be provided with further information on the FRAISA Group.



fraisa

Finishing cutter **Multicut XF**

**NEW**



# Multicut XF

## EXtreme Finish

The new **Multicut XF** is perfect for tight tolerance applications where you need excellent surface finish and increased productivity. The advantages of the **Multicut XF** over conventional finishing cutters is reflected in the performance to price ratio as well as the improved surface quality. In some cases you can skip grinding operations using the **Multicut XF**, helping you to save time and money.

The **Multicut XF** is different from other finishers because of its extremely high helix, unequal spacing and odd number of flutes. This leads to vibration-free machining with straight walls and excellent finishes.

### Surface qualities

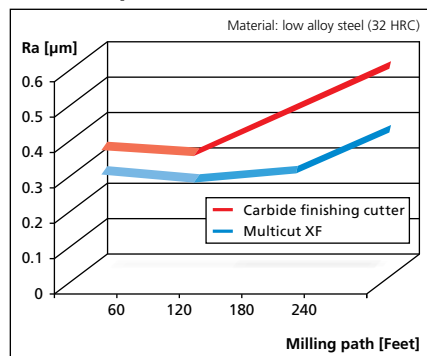


Fig. 2: Illustration of the component roughness Ra for the above milling path in the case of conventional finishing cutters and Multicut XF

### Reduction of the machining costs per workpiece

The ideal feed values are more than 50% higher compared to conventional tools for finishing operations. Additionally, this tool enables finishing processes to be performed in only one step. These features lead to a reduction of the machining costs by more than 30%.

### Reduction of the tool costs

**Multicut XF** increases tool life over other finishers by at least 50%, which results in a reduction of the tool costs by more than 30%.

### The best surface quality of the components

The very robust and rigid geometry gives you great accuracy and finishes which are lower than Ra=0.4 even after a milling time of 90 minutes.

### Resharpenering

The **Multicut XF** can be resharpenered several times, if handled by experts, so send them back to Fraisa USA to save even more money on tool costs.

### Feed rates

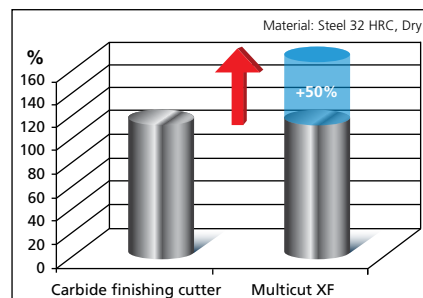


Fig. 1: Feed rates of conventional finishing cutters and Multicut XF

### The advantages:

- Extreme dimensional and positional accuracy
- Extremely good surface finishes
- Extreme process security
- No vibrations
- Shorter machining times
- Lower production costs



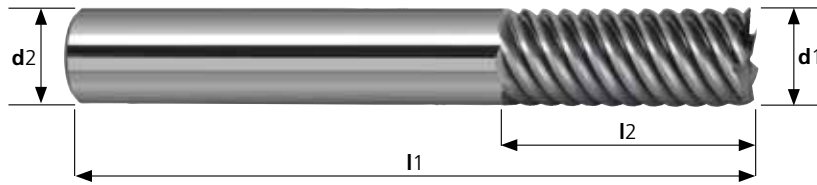
If you have any question, please send an email to [info@fraisausa.com](mailto:info@fraisausa.com)

For further information, please refer to [www.fraisa.com](http://www.fraisa.com)

# High-Performance Finishing Cutter

Multicut XF

<b>HM</b>	$\lambda$ 65°
<b>XA</b>	$\gamma$ 8°
45°	



Steel <24 HRC	Steel 24-34 HRC	Steel 34-42 HRC	Steel 42-48 HRC	Steel 48-56 HRC	Steel 56-60 HRC	Steel >60 HRC	Stainless	Titanium	Cast Iron Nickel Alloys Aluminium
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dimensions tolerances	d1 e8	d2 h6	l1	l2	fl	List Price	ReTool®
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Order #      Coating: POLYCHROM AlCrN

Standard							
P15850188	1/8	1/4	2 1/4	1/4	5	•	
P15850252	3/16	1/4	2 1/4	3/8	5	•	
P15850312	1/4	1/4	2 1/2	3/4	5	•	•
P15850432	3/8	3/8	2 1/2	7/8	7	•	•
P15850530	1/2	1/2	3	1	7	•	•
P15850605	5/8	5/8	3 1/2	1 1/4	7	•	•
P15850652	3/4	3/4	4	1 1/2	7	•	•
P15850775	1	1	5	2	7	•	•

Mid-Long							
P15851434	3/8	3/8	3	1 1/8	7	•	•
P15851532	1/2	1/2	3 1/2	1 1/2	7	•	•
P15851607	5/8	5/8	4 1/2	2	7	•	•
P15851652	3/4	3/4	5	2 1/2	7	•	•
P15851775	1	1	6	3	7	•	•
P15851815	1 1/4	1 1/4	8	5	9	•	•

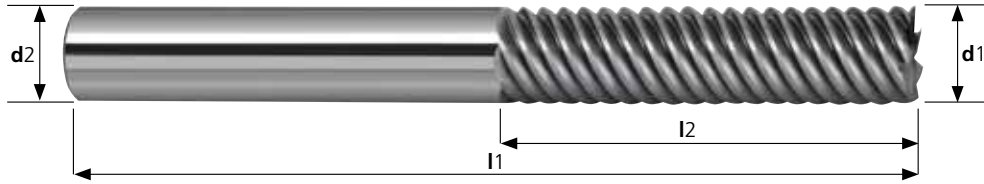
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# High-Performance Finishing Cutter

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<b>XA</b>	$\gamma$ 8°
45°	



Performance roughing



Performance finishing



Best

Good

Steel <24 HRC	Steel 24-34 HRC	Steel 34-42 HRC	Steel 42-48 HRC	Steel 48-56 HRC	Steel 56-60 HRC	Steel >60 HRC	Stainless	Titanium	Cast Iron Nickel Alloys Aluminium
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dimensions tolerances	d1 e8	d2 h6	l1	l2	fl	List Price	ReTool®
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Order #	Coating: POLYCHROM AlCrN						
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Long							
P15851432	3/8	3/8	3 1/2	1 1/2	7	•	•
P15851530	1/2	1/2	4	2	7	•	•
P15851605	5/8	5/8	5	2 1/2	7	•	•
P15851654	3/4	3/4	5 1/2	3	7	•	•
P15851777	1	1	7	4	7	•	•

Extra-Long							
P15852530	1/2	1/2	4 1/2	2 1/2	7	•	•
P15852605	5/8	5/8	5 3/4	3 1/4	7	•	•
P15852652	3/4	3/4	6 1/2	3 3/4	7	•	•
P15852775	1	1	8	5	7	•	•
P15852815	1 1/4	1 1/4	9	6	9	•	•

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