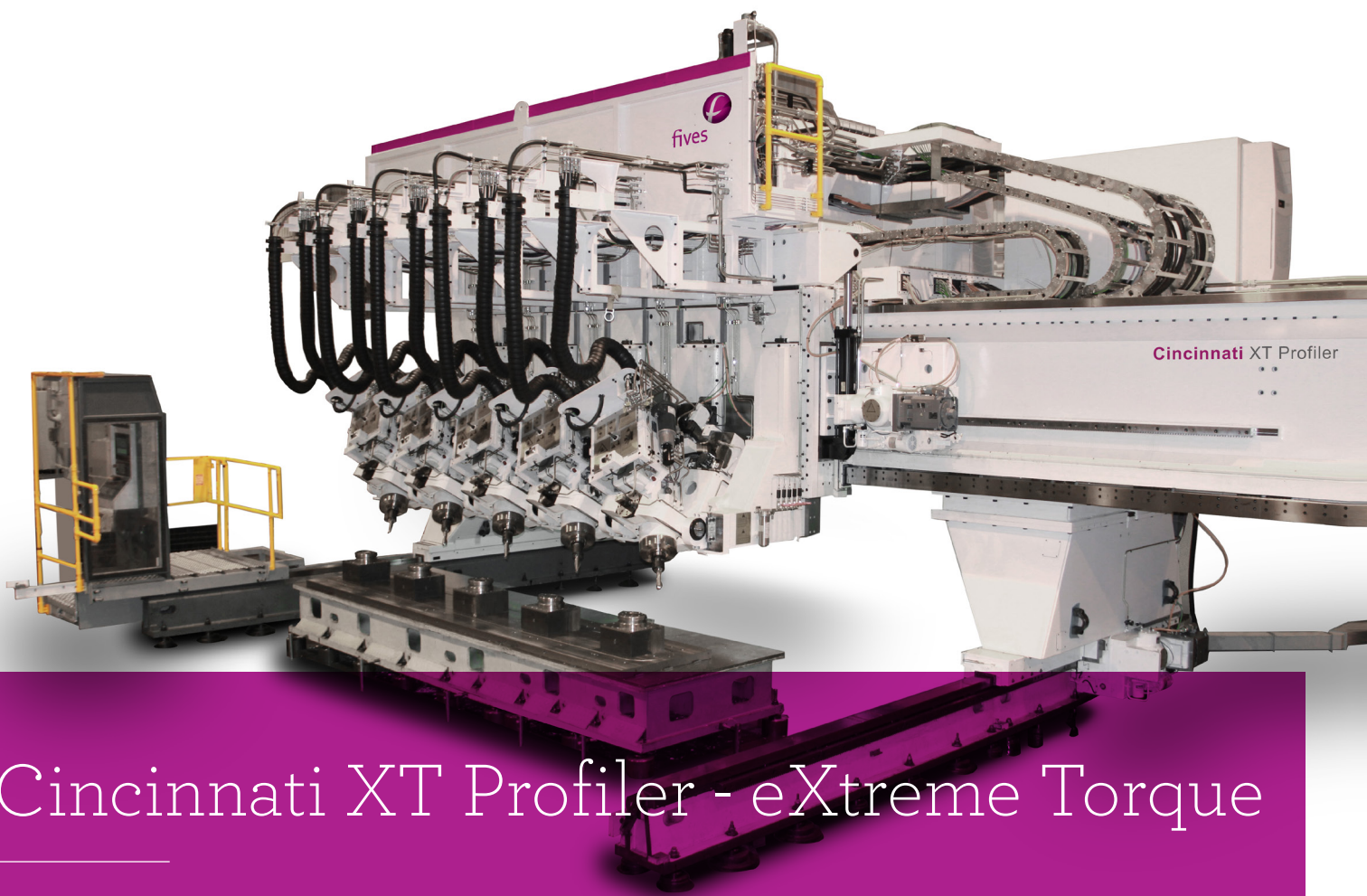


MATERIAL REMOVAL

# Cincinnati XT Profiler

Multi-Spindle Gantries for the Aerospace Industry



## Cincinnati XT Profiler - eXtreme Torque

- Designed and optimized for unmatched hard metal machining
- Choice of spindles: WR/Ti
- The only multi-spindle platform available for titanium roughing
- Full 5-axis contour roughing, semi-finishing, and finishing
- 3-axis and 5-axis options
- A/B rotary axis head with  $\pm 30$  degrees of travel

# “Cincinnati XT Profiler sets Metal Removal Rate (MMR) record, machining titanium at over 230 cubic IPM!”

	Steel   Titanium		
	WR Profiler	XT Profiler (3-axis)	XT Profiler (5-axis)
<b>Machine Range</b>			
X-axis (minimum)	4267 mm	3746 mm	
X-axis (incremental)	3658 mm		
Y-axis - 3 spindle, 40" CD	3150mm, 4165mm	3683 mm	
Y-axis - 3 spindle, 60" CD	3683 mm	N/A	
Y-axis - 3 spindle, 80" CD	4165 mm	3683 mm	
Y-axis - 3 spindle, 100" CD	N/A	N/A	
Y-axis - 4 spindle, 40" CD	3683 mm	N/A	
Y-axis - 4 spindle, 60" CD	3150 mm	N/A	
Y-axis - 4 spindle, 75" CD	N/A	N/A	
Y-axis - 5 spindle, 40" CD	3683 mm		
Z-axis	711 mm		
A-axis	±30 degrees	N/A	±30 degrees
B-axis	±30 degrees	N/A	±30 degrees
<b>Speed</b>			
X-axis	15240 mm/min		
Y-axis	10160 mm/min		
Z-axis	2540 mm/min		
A-axis	300 dpm	N/A	720 dpm
B-axis	300 dpm	N/A	720 dpm
<b>Spindle Type #1</b>			
Speed (maximum)	7000 rpm		
Power (SI)	52 kW		
Torque (SI)	1345 Nm		
Taper	ANSI 50, HSK-100A, KM4X100		
<b>Spindle Type #2</b>			
Speed (maximum)	3500 rpm		
Power (SI)	52 kW		
Torque (SI)	2523 Nm		
Taper	ANSI 60, HSK-125A, KM4X100, KM4X125 90KN/HSK-125A, 150KN		



The Cincinnati XT Profiler is offered in 3 and 5-axis configurations with up to 5 spindles. It excels at processing multiple materials and can be configured with 3500 rpm or 7000 rpm spindle. The 7000 rpm provides the power and speed to cut aluminum, steel and titanium. For hard metal shops, the 3500 rpm high-torque spindle is ideal.

## PRODUCT ADVANTAGES

- Full 5-axis contouring and roughing
- A/B rotary axis head with ±30 degrees of travel
- 3 or 5 spindles: 52Kw (70 hp)
  - WR:**  
7000rpm, 1345 Nm (986 ft-lbs.)  
ANSI 50, HSK-100A, KM4X100
  - Ti:**  
3500 rpm, 2523 Nm (1860 ft-lbs.)  
ANSI 60, HSK-125A, 90KN, 150KN, KM4X100
- Spindle center distances up to 2.03 m (80 in)
- Vertical configuration for highest return on capital investment
- Standard Siemens 840D solution line control
- High volume and pressure cutter coolant, up to 1,000PSI
- Available with Fanuc 31i option
- Robotic tool changer
- Robotic chip removal
- Tool exchangers

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