ORTHOPAEDIC AND SURGICAL TOOL GRINDING SOLUTIONS



ANCA GRINDING SOLUTIONS FOR THE ORTHOPAEDIC AND SURGICAL INDUSTRY

ANCA CNC grinders cover diverse surgical tool and orthopaedic implant production applications including:

- Rotary tools including dental and surgical drills, reamers, cannulated tools, taps and screws
- Other surgical tools including bone saws and rasps
- Orthopaedic implants including knees, femoral balls and acetabular cups

Automation with Fanuc robots supports continuous unattended production.

FX PLATFORM

A compact grinding machine ideally suited to production of smaller rotary cutting tools

- 2 or 6 grinding wheel pack stations
- Spindle power suited to tools up to Ø12mm (1/2")







MX PLATFORM

Mid-size grinding machine suited to production of larger, longer rotary cutting tools and also can be configured to orthopaedic applications:

- 2 or 6 grinding wheel pack stations
- Spindle power suited to tools up to 25mm (1")
- Optional travelling tool steady or tailstock for long tools
- Integrated wheel dresser option

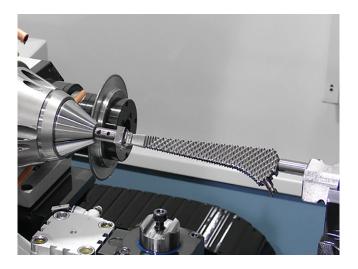




TX PLATFORM

Grinding machine with largest working envelope and grinding power. Automation options allow for extended, unattended production of tools and orthopaedic implants including.

- 2 up to 24 grinding wheel pack (or milling cutter) stations
- Spindle power suited to tools up to 32mm (1¹/₄")
- Optional travelling tool steady or tailstock or long tools
- Integrated wheel dresser option





APPLICATION SOFTWARE SOLUTIONS

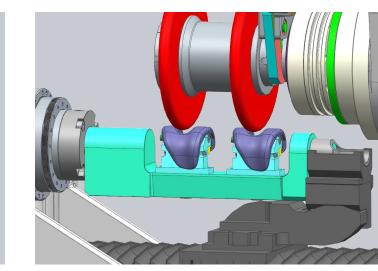
• **iGrind:** parametric programming for all varieties of rotary cutting tools

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feature Options			-	-	_	Parameter	Value
	1. Digitize EOT		140	;		Flutes	2
			_			Lead	39.9061 mn
	2. Cylindrical Grinding	w1 p3	30			Taper	0.0 °
- <u>- </u>						Diameter	3.1 mm
	3. LaserUltra OD SPC			;		Flute length	13.0 mm
						OD length	16.0 mm inactive
	4. Point Gashing	w1 p4	30			Wheel comp. Collet Protect	active
						Collect Flotect	active
	5. Facettenspitze	w1 p5	150				
						Pack in Spind	le
	6. Formed Flute from Solid	w1 p5	190			Mounted	
			_				
	7. Step Editor	wheels	feeds				
						- Highlighted Pa	ick

• ANCam: integrates ANCA's grinding machine to Siemens NX CAD-CAM software Custom software solutions: developed to suit other special customer requirements

iGrind - P:\toolroom\user\tools\Sawblade-Samp	ple.tom					-	
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3D 2D	Operations Common Parameters						
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feature					_	Parameter	Value
	1. Digitize EOT		125			Flutes	2
						Lead Taper	80.0 mm 0.0 *
	2. Sim Blank Top-Bottom	w2 p1	200			Diameter	32.5 mm
	3. Sim Blank Left-Right					Flute length	60.0 mm
	J. Sim Blank Lett-Right	w2 p1	200			OD length	60.0 mm
	4. Sägeblatt-Digitalisieren			;		Wheel comp.	inactive
	A. Sayeblatt-Digitalisieren					Collet Protect	active
	5. Sägeblatt-Verzahnung	w1 p2					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	V or ongoing to read					Pack in Spindle	e
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 CIMulator3D: simulate machine moves and grinding process



WANT TO SEE MORE?

Check these links for customer success stories and application examples.



Medical manufacturing company, Straits Orthopaedic, deliver on diverse medical applications with their flexible ANCA CNC grinding machines



Femoral balls produced on the MX7 for use in orthopaedic hip replacement surgery





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