

RX7^{SP}

For small tool grinding

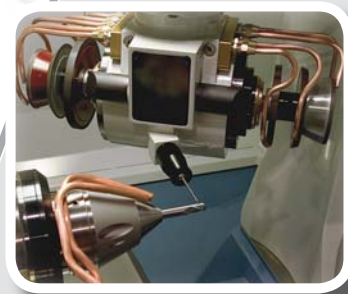
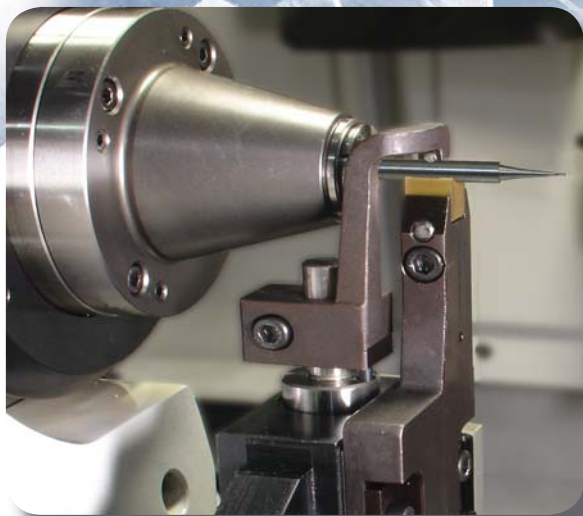


At a glance

The RX7sp is a precision grinding machine packaged for small tools. It has the power, strength, and accuracy for the production of tools down to 0.5mm diameter. The outstanding performance of the RX7sp is the result of the innovative design and technical expertise that typifies ANCA CNC grinders.

The design concept features a double-ended bi-directional spindle. Two wheel packs positioned at either end of the spindle provide greater wheel selection and access to the work piece.

- Compact with precision, power and versatility.
- Equally efficient for single-tool and large-volume production.
- PLX pallet loader for Automated operation.
- Linear Scales for more accurate positioning.
- Software flexibility that enables the RX7sp to be used for a wide range of applications.
- Unbeatable price/performance relationship.
- 3.7 kW (5 hp) 10,000rpm spindle.
- HSK spindle for precision arbor contact.
- Accuracy to Grind down to 0.5mm diameter.
- iBalance software for accurate wheel balancing
- Precision Top Clamp and V-block as standard
- CTV Software cycles to compensate for thermal variation.



Precision

Versatility

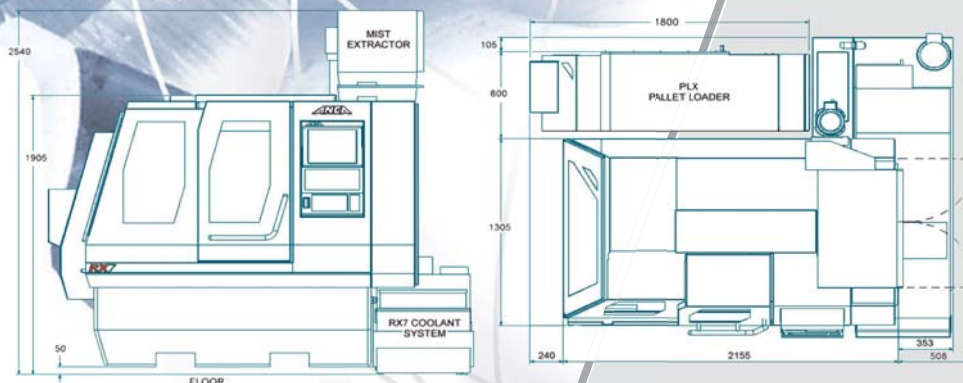
Productivity

Confidence

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RX7^{SP} Technical Data

CNC-Data					
ANCA 5DX, Pentium 4, min. 512MByte, 15" Touch Screen, Ethernet card, 56kbps modem, CD Read and Write/DVD Read only					
Mechanical axes					
	X-axis	Y-axis	Z-axis	C-axis	A-axis
Position feedback resolution	0.0001 mm	0.0001 mm	0.0001 mm	0.0001 deg	0.0001 deg
	0.0000039"	0.0000039"	0.0000039"		
Programming resolution	0.001 mm	0.001 mm	0.001 mm	0.001 deg	0.001 deg
	0.000039"	0.000039"	0.000039"		
Software axes (patented): B, V, U, W,					
Work piece					
Maximum tool diameter / Maximum weight: 220 mm (9.4") / 20 kg (44 lbs)					
Drive system					
ANCA Digital (SERCOS standard) / Linear axes direct-drive ballscrew / Rotary axes direct drive					
Machine data					
Grinding spindle: ANCA Bi-directional / 3.7kW (5 hp) / 10 000 RPM / Integral direct drive / HSK 32E Taper					
Grinding wheel max. diameter 202mm (8") / Wheel bore: 31.75 mm (1.250") / two wheel packs with max four wheels each					
Integrated Linear Scales on X & Y axis only					
Other data					
Electrical power	13.2 KVA (18.2 KVA with entry level coolant system)				
Probe system	Renishaw				
Coolant system	External				
Machine base	ANACRETE (Polymer concrete)				
Colour	RAL 7035 / RAL 5014				
Weight	Approximately 4500 kg				
Floor plan (including coolants)	Width	Depth		Height	
	2508 mm	2010 mm		1905 mm	
	99"	79"		75"	
ANCA reserves the right to alter or amend specifications without prior notice					



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