

REDWOOD5



COMMON MATERIALS



Wood



Composites



Aluminum



Plastics



Foam



Discover unparalleled precision with DMS's Redwood5, the 5-Axis CNC Machine designed for excellence. **Engineered for diverse material processing needs** across industries, Redwood combines **high-speed performance with unmatched accuracy**. Its robust open architecture design ensures **durability for continuous operation, while flexible customization options cater to your specific production needs**. Experience the confidence of investing in technology that grows with you, backed by comprehensive support and warranty services. Elevate your manufacturing capabilities with Redwood5.

KEY BUYER BENEFITS

- 1. VERSATILITY IN MATERIALS:** handles a wide range of materials, from lightweight to heavy-duty
- 2. HIGH PRECISION AND SPEED:** enhanced by dual helical rack and pinion drive
- 3. PRODUCTION ENVIRONMENT:** designed for heavy duty cycles within a production environment. 24hr round the clock operation
- 4. CUSTOMIZATION OPTIONS:** tailored solutions to meet specific production needs
- 5. EPROFESSIONAL SUPPORT AND WARRANTY:** comprehensive assistance and protection for peace of mind

TECHNICAL DATA

MIN - MAX AXES STROKES					TRANSMISSION TYPE	MOTOR ENCODERS	FEEDBACK ENCODERS	MACHINE ENVELOPE	MAX ACCURACY	TOOLCHANGER	
X	Y	Z	B	C						STANDARD OPTION(S)	
										TYPE	MAX TOT
5/20'	5/100'	914 (36") 48+72????	(+/-) 115° / 130°	DMS: (+/-) 363° (OPT. CONTINUOUS) HITECO: (+/-) 320°	RACK & PINION	ALL ABSOLUTE *EXCEPTION = ROTARIES ARE INCREMENTAL W/ CONTINUOUS C OPTION	SCALES AVAILABLE AS OPTION	BRIDGE STROKE: 5', 8', 10', 12' DEPTH: MULTIPLES OF 5' UP TO 100', 12', 22'	.002"-.005"	RACK CAROUSEL MANUAL	12/24

OPERATING UNITS AND SPINDLES

MAX POWER	MAX RPM	SPINDLES RANGE (MIN-MAX KW)	UNITS RANGE
20KW	24000	8-20 KW	TILT K PLUS, TILT H PLUS, TILT V, TILT W, DMS STANDARD YOKE, DMS CAST YOKES

DYNAMIC PERFORMANCES

AVG. SPEED (AVERAGE 3 AXIS)	AVG. ACCELERATION
INCH/MIN	INCH/MIN ²
1333	60

CNC

HMI + NCs
FAGOR + FAGOR

DMS

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