

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/SEC ² |
| 2000 | 60 |

CNC

| |
|---------------|
| HMI + NCs |
| FAGOR + FAGOR |

DMS

Phone: 855.266.5064
 Email: info@dmscncrouters.com
 Web: dmscncrouters.com

