

REDWOOD3



COMMON MATERIALS



Wood



Composites



Aluminum



Plastics



Foam



Redwood 3, a pioneering evolution of the renowned Redwood series, now with a **3-axis design tailored for those who demand precision and flexibility** in their manufacturing processes. This machine inherits the robust and reliable foundation of the DMS Redwood, yet it's optimized for a broad spectrum of materials with a **focus on efficiency and precision**. The Redwood3 offers the **perfect balance of high-speed performance and accuracy**, enhanced by top-tier professional support and customization options to meet your specific production requirements. Elevate your manufacturing capabilities with the Redwood3 our most robust 3 axis platform.

KEY BUYER BENEFITS

- 1. PRECISION MANUFACTURING:** optimized for accuracy in 3-axis cutting
- 2. MATERIAL VERSATILITY:** effective on a wide range of materials
- 3. CONTINUOUS OPERATION:** built for reliability and endurance
- 4. CUSTOMIZATION FLEXIBILITY:** options to tailor to specific needs
- 5. EXPERT SUPPORT & WARRANTY:** comprehensive service and protection

TECHNICAL DATA

| MIN - MAX AXES STROKES | | | | TRANSMISSION TYPE | FEEDBACK ENCODERS | MOTOR ENCODERS | MACHINE ENVELOPE | MAX ACCURACY | TOOLCHANGER | |
|------------------------|---------|------------------------------|--------------------|-------------------|----------------------------------|-----------------|---|--------------|----------------------------|---------|
| X | Y | Z | C | | | | | | STANDARD OPTION(S) | |
| | | | | | | | | | TYPE | MAX TOT |
| 5'/20' | 5'/100' | 914 (36") / 1220 (48") | C-AXIS OPTIONAL | RACK & PINION | SCALES AVAILABLE AS OPTION | ALL ABSOLUTE | BRIDGE LENGTH: 5', 6', 7', 8', 10', 12', 15' DEPTH: MULTIPLES OF 5' UP TO 100', 12', 22' | .002"-.005" | RACK CAROUSEL MANUAL | 10 |

OPERATING UNITS AND SPINDLES

| MAX POWER (S1 / S6) | MAX RPM | SPINDLES RANGE (MIN-MAX KW)(S1) | UNITS RANGE |
|---------------------|---------|---------------------------------|--|
| 18KW / 21KW | 24000 | 4.5-18KW | HITECO MT200, MT201 PT300, PT400, PT500 |

DYNAMIC PERFORMANCES

| AVG SPEED (AVERAGE 3 AXIS) | AVG. ACCELERATION |
|----------------------------|-----------------------|
| INCH/MIN | INCH/MIN ² |
| TBD | TBD |

CNC

| |
|------------|
| HMI + NCs |
| FAGOR 8065 |

DMS

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