

# GLACIER5



## COMMON MATERIALS



Wood



Composites



Aluminum



Plastics



Foam



Explore the pinnacle of manufacturing innovation with the Glacier5, our **advanced 5-axis CNC machine**. Designed with a fully enclosed architecture for those who demand **precision and versatility**, Glacier5 revolutionizes the way you work with a wide array of materials and material presentation options. From **intricate aerospace components to complex automotive parts**, this machine offers **unmatched accuracy, speed, and adaptability**. Tailored solutions and expert support ensure that **your manufacturing needs are met with the highest standards**. Elevate your production capabilities and achieve excellence with Glacier5.

## KEY BUYER BENEFITS

- 1. ENHANCED PRECISION:** superior accuracy for complex geometries
- 2. MATERIAL VERSATILITY:** capable of processing a diverse range of materials
- 3. ADVANCED TECHNOLOGY:** state-of-the-art 5-axis functionality
- 4. CUSTOMIZATION OPTIONS:** adaptability to meet specific production requirements
- 5. DEDICATED SUPPORT:** comprehensive after-sales support and warranty

# 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'/12'                 | 5'/10' | 1830 (72") | '(+/-) 115°/130° | DMS:(+/-) 363° (OPT. CONTINUOUS) HITECO: (+/-) 320° | SPINNING BALL NUT & RECIRCULATING BALL SCREW ON BRIDGES UP TO 14'(4267MM), GANTRY ALWAYS RACK & PINION | ALL ABSOLUTE<br><br>*EXCEPTION = ROTARIES ARE INCREMENTAL W/ CONTINUOUS C OPTION | SCALES AVAILABLE AS OPTION | BRIDGE LENGTH: 5', 6', 7', 8', 10', 12'<br><br>DEPTH: 4', 5', 6' | .002"-.005"  | RACK CAROUSEL MANUAL | 10 / 12 |

## 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 <sup>2</sup> |
| 2300                       | 70                    |

## CNC

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

### DMS

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