

PRODUCTION Capacity



Fast facts

- Casting and molding capacity up to 200,000 lbs.
- Production and custom patterns available.
- Molds up to 50 ft. in length and 16 ft. in height.
- CNC-machined finishes with custom coating applications.
- Major machining available includes CNC Turning, CNC Horizontal Mills and Convention Turning.
- Ferrous and non-ferrous castings available.
- Custom fabrications in steel, stainless steel and aluminum.

AVAILABLE MANUFACTURING OPTIONS



PATTERN CONSTRUCTION

- Production and custom patterns and plugs produced from prints or IGES files.
- Patterns for high production runs and one-off custom.
- Patterns on match plates for iron, stainless steel and bronze castings.
- Pattern construction up to 50 ft. in length and 16 ft. in height.
- CNC-machined part tooling and fixtures available.

MOLDING CAPABILITIES

- MarsKeel LifeTime Ceramicast Tooling System™ available for production keel accounts.
- One-off custom molding from our MarsKeel Accusand™.
- In-house molding capacity for keels up to 200,000 lbs.

MAJOR MACHINING AVAILABLE

CNC Turning

- 8 unites, 3-axis capability c/w live tooling.
- Maximum swing: 38".
- Between centres: 165".
- Bar feeder: up to 1.75" dia.

CNC Horizontal Mills

- 5 units, 5-axis.
- Max. spindle dia.: 6".
- Max. travel: 110" x 360".
- Max. table size: 96" 320".
- Equipped with gundrilling attachment.

Convention Turning

- 4 units.
- Max. swing: 50".
- Between centres: 360".

LEAD ALLOY CASTING

- Keel casting up to 200,000 lbs.
- Production and custom one-off castings.
- Design consultation for high-performance custom keels.
- CNC-machined finishes.
- Custom coating applications.
- Total project management available.

FERROUS AND NON-FERROUS CASTINGS

- Lloyds Register Certified Foundry.

Ferrous

- Up to 4,500 lbs net cast weight.
- Heat-resistant stainless steel.
- Corrosion-resistant stainless steel.
- Carbon, low-alloy and tool steel.

Non-Ferrous

- Up to 9,000 lbs net cast weight.
- Beryllium copper.
- High-conductivity copper.
- Bronze.
- Aluminum.

FABRICATION AVAILABLE

- CWB Approved to CSA Standard W47.1 in Division 3.
- Custom fabrications in steel, stainless steel and aluminum.
- Welding processes, MIG, TIG and Stick.

PLATE FORMING AND STRAIGHTENING AVAILABLE

- Plate shear: 20' long x 1.25".
- Bending forming: 1,000 ton x 24", 800 ton x 31'.
- Plate rolling: 16' x 22.5" max.

Completed projects can be viewed at www.marskeel.com. For more information, please call +1.905.637.3862 or email sales@marskeel.com.



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