

Capabilities Snapshot

MetalTek manufactures critical metal components for the most demanding applications that power, protect, and connect our world. We believe in Making a Lasting Difference® by combining our strengths to push the limits of what is possible and make people's lives better. Across our four divisions, we leverage a diverse range of manufacturing processes to produce components found in high-heat, high-wear, and high-corrosion environments, from the depths of the ocean to the surface of Mars.

	Carondelet (Pevely, MO)	Sandusky International (Sandusky, OH)	Wisconsin Centrifugal (Waukesha, WI)	Wisconsin Investcast (Watertown, WI)
Plant Size	180,000 ft ² (16 723 m ²)	250,000 ft ² (23 226 m ²)	450,000 ft ² (41 806 m ²)	70,000 ft ² (6503 m ²)
Alloys	Stainless steel, nickel, cobalt, and steel alloys	Ferrous and non-ferrous alloys	400+ ferrous and non-ferrous alloys	Stainless steel, nickel, cobalt, and steel alloys
Processes	Static sand casting	Horizontal centrifugal casting 15 lbs. static ingot	Horizontal and vertical centrifugal casting	Air and vacuum-melt investment casting Laser powder bed fusion metal additive manufacturing
Maximum Size	Contact Carondelet (primarily based on pour weight)	60 in. (1525 mm) O.D. 432 in. (10 973 mm) length	Horizontal 50 in. (1270 mm) O.D. 240 in. (6096 mm) length Vertical 180 in. (4572 mm) O.D.	Investment Casting 60 in. dia. x 50 in. length (1525 mm x 1270 mm) 3D Metal Printing 12.4 in. dia. x 15.75 in. length (315 mm x 400 mm)
Maximum Pour Weight (Cast Weight) (as-cast centrifugal can ship at this weight)	36,000 lbs. (16 330 kg)	125,000 lbs. (56 700 kg)	Non-Ferrous 34,000 lbs. (15 422 kg) Ferrous 24,000 lbs. (10 886 kg) Vacuum 800 lbs. (364 kg)	Air Melt 2,000 lbs. (907 kg) Vacuum Melt 300 lbs. (136 kg)
Maximum Net Ship Weight	18,000 lbs. (8165 kg)	117,000 lbs. (53 070 kg)	Non-Ferrous Finish Machined 24,000 lbs. (10 866 kg) Ferrous Finish Machined 17,000 lbs. (7711 kg) Vacuum Finish Machined 600 lbs. (272 kg)	Air Melt ~1,000 lbs. (454 kg) Vacuum Melt ~150 lbs. (68 kg)
AOD Capacity	10,000 lbs. (4536 kg)	40,000 lbs. (18 143 kg) + Arc (EAF)	12,000 lbs. (5443 kg) + Arc	N/A
In-House Capabilities	Isocure and no-bake molding (IMF + floor), HPLT molding, heat treat, NDT, inspection and lab services	Heat treat, NDT, inspection and lab services	Heat treat, NDT, inspection and lab services	Robotic shell lines, digital (DDR, CR) and film X-ray, 3D printed patterns, robotic finishing cell, NDT, inspection and lab services
Other Capabilities	In-house pattern shop, patternless molding, machining	Complete rough and finish machining, grinding, balancing, surface and end drilling facilities	Complete rough and finish machining facilities, rapid prototyping	Finish machined parts, ceramic and soluble cores, rapid prototyping
Certifications	ISO9001, NORSOK, PED, NAVSEA Tech Pub 300, Material Qualified Material Organization, numerous customer approvals	ISO9001, numerous customer approvals	ISO9001, AS9100, Nadcap, various MIL specs, Nuclear ASME Sec III, PED, numerous customer approvals	ISO9001, AS9100, Nadcap, various MIL-Specs, numerous customer approvals
Solidification Modeling	MagmaSoft, ModelingProE	N/A	Flow3D, SolidCast	ProCast, SolidCast
Electronic Information Transfer	STEP, IGES, ProE	SolidWorks	STEP, IGES, ParaSolid	SolidWorks, ParaSolid, STEP, IGES