



METALS ENGINEERING RESOURCES CORPORATION

Company Profile · Engineered castings since 1948 · Sto. Tomas, Batangas, Philippines

1948

founded, family-owned

ISO 9001

:2015, certified to 2029

55

employees

~60 t

melt a month, one shift

90 years

management tenure here

OVERVIEW

METERCOR is a family-owned, American-operated foundry in the Light Industry & Science Park III ecozone, Sto. Tomas, Batangas. We have made engineered castings for Philippine and Japanese manufacturers since 1948: 49 years as a brake supplier to Mitsubishi Motors Philippines, and more than 20 years of heat-resistant stainless castings for the heat-treatment lines of automotive transmission plants. Pattern making, molding, melting, finishing, machining and inspection are done under one roof, by one management team.

CAPABILITIES

Processes

- **Investment casting (lost wax):** complete in-house line, from wax injection and ceramic shell to dewax and firing. In production since 2014 for small, thin-section stainless parts.
- **Shell molding:** six shell molding machines and an automatic shell core machine.
- **Green sand:** Sinto FDNX-1 automatic flaskless molding at 60–90 molds per hour, plus jolt-squeeze molding.
- **No-bake:** Palmer continuous mixer with Richards sand reclamation, for larger and low-volume parts.
- **Pattern shop and CAD** in-house; CMM and 3D printing through MIRDC-DOST.
- **Machine shop:** five CNC lathes, Chevalier vertical machining center, CNC double-disc and internal grinders.

Alloys

- **Heat-resistant stainless:** JIS SCH13 (25Cr-12Ni) and other SCH and HK grades.
- **Gray iron:** JIS FC200 to FC300, including Ni-Cr alloyed grades.
- **Ductile iron:** JIS FCD450 to FCD600 (ASTM 80-60-03).
- **Glass-mold alloys:** SY-96, Minox, Ni-Cr gray iron.
- **Wear alloys:** high-chrome white iron, manganese steel.
- **Bronze:** historical markers and architectural castings.

Size range

Castings up to 100 kg; investment casting for small precision parts.

CAPACITY

Melting	Mahima induction furnaces: 350 kW (300 kg and 500 kg pots) and 500 kW (1 metric ton).
Per shift	Up to 5 heats: about 2.5 metric tons of liquid iron, or about 1.6 metric tons of stainless.
Per month, one shift	About 60 metric tons of liquid metal. We currently run one shift.
Room to grow	About 120 metric tons a month on two shifts and 180 on three, with the existing furnaces.

Basis: 5 heats per 8-hour shift on a 500 kg pot (stainless about 330 kg per heat), 24 melting days a month. Liquid metal poured, before casting yield.

QUALITY AND CERTIFICATION

ISO 9001:2015

Certificate 09-4419-2-QMS, International Associates Limited (UK). Certified May 26, 2026; recertification due May 23, 2029. Scope: manufacturing of automotive and non-automotive casting parts, ferrous and non-ferrous.

Registrations

SEC Reg. No. 10141 (1955) · TIN 000-416-111
DENR ECC-R4A-1105-0253

Laboratory and inspection

- Chemistry of every heat by SpectroMAXX optical emission spectrometer.
- Olympus metallurgical microscope for macro and micro examination.
- Hardness testing, SLF carbon-equivalent meter, immersion thermocouples, full sand laboratory.
- Traceability by heat number. Mechanical tests through accredited third-party laboratories.

**TRACK RECORD**

Current customers	Since	Castings supplied
Asian Transmission Corp. (Mitsubishi group)	2001	Heat-treatment trays and fixtures (SCH13 stainless); flywheels
Toyota Aisin Philippines	2005	Heat-treatment trays; transmission plates, bearing retainers
Isuzu Autoparts Manufacturing Corp.	2017	Heat-treatment trays; alloyed pouring ladles
MOOG Controls Corporation (aerospace)	2016	Heat-treatment jigs and trays
San Miguel Yamamura Fuso Molds Corp.	1986	Glass-container mold castings: blank and blow molds, plates
SteelAsia (High Street Manufacturing)	2024	Ductile iron rolling-mill entry guides
Solid Cement Corporation (CEMEX)	2023	Grate plates and replaceable lips
Mesco, Inc. (Mazak supply chain)	1993	Machine-tool castings: leveling blocks, flanges, rollers
Citizen Machinery Philippines	2004	Machine-tool castings
National Historical Commission (NHCP)	1980	Bronze and cast iron historical markers

Past customers	Years	Castings supplied
Mitsubishi Motors Philippines	1974–2023	Drum and disc brakes: Lancer, L300, Adventure
Honda Cars Philippines	1991–2004	Drum and disc brakes: Civic, Accord, CR-V
Toyota Motor Philippines	1989–1997	Drum and disc brakes: Corolla
Nissan Motor Philippines	1984–1987	Drum and disc brakes: Sentra
Aichi Forging Company	2005–2017	Heat-treatment trays, stainless rollers, blast parts
Furukawa Valve Company	1997–2018	Valve parts
Precision Performance Castings (New Zealand)	2018–2019	Export wear parts

MANAGEMENT

Robert Quint D. Fansler President and CEO; owner MBA · 15 years at METERCOR	Valentino R. Araos General Manager Mechanical engineer · 40 years at METERCOR	Dennis B. Jaranilla Quality Assurance Manager Mechanical engineer · 15 years at METERCOR	Remar M. Gernale Production Planning and Control Manager Civil engineer · 20 years at METERCOR
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Supported by US foundry consultants John Dakan, metallurgist, and Tom Cobett.

MILESTONES

1948	Founded in Manila as Claude Wilson Trading Company	2012	Plant moves to LISP III, Sto. Tomas, Batangas
1974	Renamed Metals Engineering Resources Corporation	2014	Investment casting line in production
2010	Mahima induction melting; CNC machine shop	2018	Sinto automatic molding; new sand laboratory

Contact

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Photos and plant video

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youtu.be/xB7SPCXuSzo