



MATRIX METALS

LEADING GLOBAL SUPPLIER OF STEEL CAST COMPONENTS



Matrix Metals is a leading global supplier of steel cast components with facilities in the India, Mexico and USA. The multi-facility steel casting business offers solutions for oil/gas, construction, mining, transportation, and pumps sectors.

Matrix Metals is a part of The Sanmar Group, a global billion-dollar corporate group headquartered in Chennai, India, with manufacturing and distribution facilities in the USA, Mexico, Egypt, and several locations across India. The Group is engaged in three key business sectors: Chemicals, Engineering, and Shipping. The Group is renowned for its successful joint venture relationships with leading international partners in niche technology areas that have flourished over four decades.

Capabilities

- Raw castings
- Fully Machined castings
- Sub-Assembly parts
- Full Assembly parts

- Contract manufacturing for valves assembly
- Stock & Ship solutions
- Dual Supply base

castings Sand
Investment
Shell

First of its kind to get IRIS Certification

Leading steel casting exporter to US from India & Mexico

25+ years experience in handling Valve Castings

Supplying machined casting solutions to leading industry players in various segments

Capability to produce most of the Stainless Steel material grades

Capability to produce parts in SS, Duplex SS & Alloy Steel Grade

Obtained Ecovadis certification & DB

DELIVERING ACROSS TIME-ZONES



India



Mexico



USA

Plants - Viralimalai,
Tamil Nadu

Head Office - Chennai,
Tamil Nadu

Sanmar Matrix Metals, India



Sand Foundry

28000 MT / annum Installed Capacity

No Bake Process

4 kg to 7000 kg - Single Piece Weight

Induction Furnaces

State-of-the-art Engineering Resources

In-house Laboratory - NDT Facilities, NABL Accredited

Argon Oxygen Decarburization (AOD)



Investment Casting

Installed Capacity - 1100 MT/ annum

Lost Wax Process

Single Piece Weight - 40 g to 55 kg

Induction Furnaces

Advanced Engineering Capabilities

Robot/Manual Shelling Capability

In-house Laboratory - NDT Facilities, (NABL)

Machine Shop & Assembly Facilities

82,000 sq. ft. Build-up area

22 CNC Machines - HMC, VTL, HTC, VMC, HBM etc.

180,000 Machine Hours/ annum

Assembly Capabilities (up to 30" Valves)

12000 Valves/annum Capacity

Hydro Testing

CMM Inspection

Stellite Welding & Seal Welding

In-house Paint Shop Facility

Assembling & Testing Capabilities

Fully Assembled Final Products

Installed capacity - 12000 MT/ annum
Sand Castings & Shell Castings
Single Piece Weight - 4 to 7000 kg

Arc / Induction Furnaces
Magma 5.4 & Pro-Engineering

In-house Laboratory - NDT
Advanced Engineering Resources

Offer Fully Machined Castings



Leading Player in North America
Stock & Ship Solutions

Reliable Near-shore Source for North American Supply Base

USP of Shorter Lead Times

One of the Global Leaders in Rail & Transit Castings



Acerlan Matrix Metals, Mexico

Manufacturing
Plant - San Juan
Del Rio, Mexico

Matrix Metals LLC, USA

Houston,
Texas, USA



Certifications



Common

ISO 17025 Accreditation-NABL

DIN EN ISO 3834-2-TUV

Special Materials

NORSOK-Grade 4A,5A,6A & CW6MC

Valves & Pumps

Material manufacturer according to AD2000 Merkblet-W0-TUV Nord

Pressure Equipment Directive-2014/68/EU

Pressure Equipment (Safety) Regulations 2016,
UK Statutory Instrument 2016 No.1105

Pressure Equipment Directive-2014/68/EU-TUV Nord

Petroleum & Natural Gas

API-20A-2nd Edition Addendum 1

Rail Road Transit

IS12117 Class A Foundry Certification RDSO

Foundry Approval Certificate-DMRCL

CL1 according to DINEN 15085-2-TUV

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