



JASH PLANT CAPABILITIES

INDIA | USA | AUSTRIA | HONG KONG



UNIT-1

CAST PRODUCTS PLANT

UNIT-1 : STORE SHOP



Store Shop Outside View



Small Component Storage



Rods & Pipes Storage



Store inspection Area

UNIT-1 : FOUNDRY SHOP



Foundry Shop Outside View



Pattern Shop



Melting Shop

UNIT-1 : GATE SHOP



Gate Shop Outside View

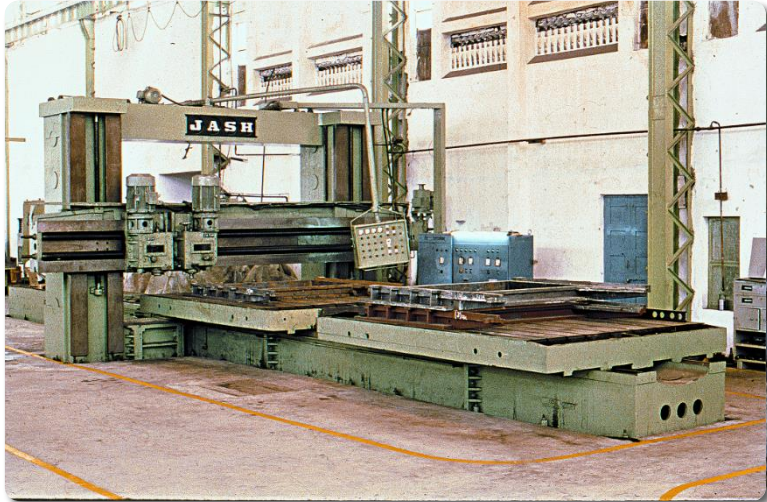


Large CNC Machine Bay



Small CNC Machine Bay

UNIT-1 : GATE SHOP



CNC Milling Machine:

Facility to machine jobs with a maximum size of up to 7000 x 3500 x 1000mm on conventional machines



Thread Rolling Machine:

Facility to roll threads upto 100 mm diameter and upto 6000 mm length.



Painting Booth:

To comply with environmental requirements, Jash uses airless spray painting techniques in a designated paint booth equipped with clean air suction and fume extraction.

UNIT-1 : GATE SHOP



Movement Testing



Hydro-testing

UNIT-1 : VALVE SHOP



Valve Shop Outside View



Valve Machining Bay



Valve Assembly Bay

UNIT-1 : VALVE SHOP



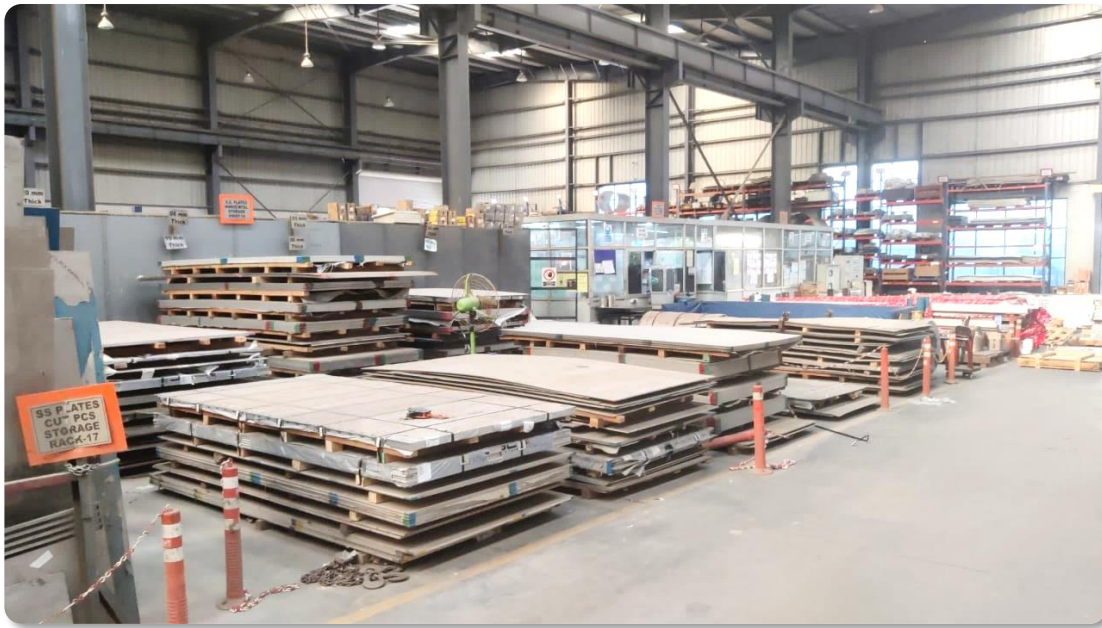
Valve Testing Area



Valve Paint Shop



UNIT-2 : STORE SHOP



Stainless Steel Plates Stock inventory



Stainless Steel Round Bars & Cut Plates Stock

UNIT-2 : CUTTING, BENDING SHOP



Laser Cutting Machine-I

Trumpf TruLaser 1030 Fiber CNC laser cutting machine to rapidly cut thin, medium, & thick plates of 3000 x 500 x 16 mm size and cutting speed up to 32 m/min (105 ft/min) for plates of 16 mm thickness using latest generation fiber laser cutting technology.



Laser Cutting Machine-II

Trumpf TruLaser 1030 Fiber CNC laser cutting machine to rapidly cut thin, medium, & thick plates of 4000 x 2000 x 20 mm size and cutting speed up to 140 m/min.



Plasma Cutting Machine

Facility to cut Carbon Steel plates of 6000 x 3000 x 150 mm thick by CNC Plasma Cutting

UNIT-2 : CUTTING, BENDING SHOP



Water Jet Cutting Machine

To limit the possibility of changing the corrosion resistance properties of Stainless Steel, Jash utilizes heatless cutting characteristic of a CNC water jet. The CNC waterjet cutting machine has the ability to cut Stainless Steel Plates of 12'x6' size with a thickness of 4".



Shearing & Bending Machine

Jash uses numerous CNC shearing & Bending machines for a multitude of Stainless Steel fabrication process.



Rolling Machine

Jash has facility to roll plates of 3000 mm width & 30 mm thickness.

UNIT-2 : CUTTING, BENDING SHOP



Flight Bending Machine

Spiral flights of 40 mm thickness and upto 5500mm diameter by CNC Flight Bending Machine.



Flight Welding Machine

Facility to continuously weld flights upto 5500mm dia. and 24000mm length on CNC Flight Welding Machine.



Saw Welding Machine

Capacity: Can weld diameter upto 5000 mm

UNIT-2 : FABRICATION SHOP



Stainless Steel Fabrication Bay



Mild Steel Fabrication Bay

UNIT-2 : ASSEMBLY SHOP



Stainless Steel Assembly Bay

Pic: 3750x37650 mm J-type motorized screen for Jurong Eastern Catchment Package Contract C, JWRP Singapore.



Mild Steel Assembly Bay

Pic: 315" x 158" Carbon Steel Slide Gate of 70 MLD SPS at Kalyanpuri Project of Delhi Jal Board India.

UNIT-2 : MILD STEEL BLASTING & PAINTING SHOP



Shot Blasting Booth (20'x20'x72')

Jash Employs mechanical cleaning method (shot blasting) to achieve better paint adherence. To ensure clean air discharge, a filtration system is utilized in conjunction with the blasting.



Painting Booth (20'x20'x72')

To comply with environmental requirements, Jash uses airless spray painting techniques in a designated paint booth equipped with clean air suction and fume extraction.

UNIT-2 : STAINLESS STEEL GLASS BEAD BLASTING & PICKLING PASSIVATION SHOP



SS Glass Bead Blasting

Fabricated Stainless steel gates are glass bead blasted in an environmentally safe method to mechanically remove contaminants, such as free iron particles or dust from the surface of the product .



Bath Pickling and Passivation

To remove any remaining contaminants from the surface, glass bead blasting is supplemented by bath pickling and passivation. The pickling facility s equipped with fume extraction and acid scrubbing systems for environmentally safe discharge. 18

UNIT-2 : TESTING SHOP



Stainless Steel Product Testing Area

Pic: Tilting Weir Gate having size 8000x2600 mm for project CWRP Phase 2 Contract C21B of PUB Singapore.



Mild Steel Products Testing Area

Pic: Archimedean Screw Pump having Screw Diameter - 2900mm X Bladed Length - 13200mm for project PROJEK TEBATAN BANJIR BAYAN BARU – MALAYSIA.



UNIT-3

SEZ EXPORT PLANT, PITHAMPUR

UNIT-3 : STORE SHOP



Storage & inventory

UNIT-3 : MACHINE SHOP



Small Machine Shop

UNIT-3 : GATE SHOP



Large Gate Machine Shop Outside View :
New expansion work is also going on at Unit-3 SEZ Pithumpur for enhancing precise manufacturing and rapid production so as to offer faster delivery to its clients.



Giddings & Lewis - HMC Machine



Schies - Horizontal Boring Machine

UNIT-3 : MACHINE SHOP



Ingersoll - Plano Milling Machine



Bickford Chipmaster -Radial Drill Machine



Cincinnati Milacron – HMC Machine

UNIT-3 : ASSEMBLY SHOP



Stainless Steel Gate Assembly Shop



Composite Stoplogs Assembly Shop

UNIT-3 : TESTING SHOP



Hydro-Testing



Movement-Testing



UNIT-4

RODNEY HUNT PLANT, SEZ PITHAMPUR

UNIT-4 : STORE SHOP



Rods & Pipes Stock



Cut Plate Stock



Plate Inventory Stock



Plate Inventory Stock

UNIT-4 : CUTTING & BENDING SHOP



Shearing & Bending



Water Jet Cutting Machine

UNIT-4 : FABRICATION SHOP



Straightening Area



Welding Area

UNIT-4 : ASSEMBLY SHOP



Stainless Steel Gate Assembly Shop

UNIT-4 : GLASS BEAD BLASTING & PICKLING PASSIVATION SHOP



Glass Bead Blasting Area



Pickling & Passivation Area

UNIT-4 : TESTING SHOP



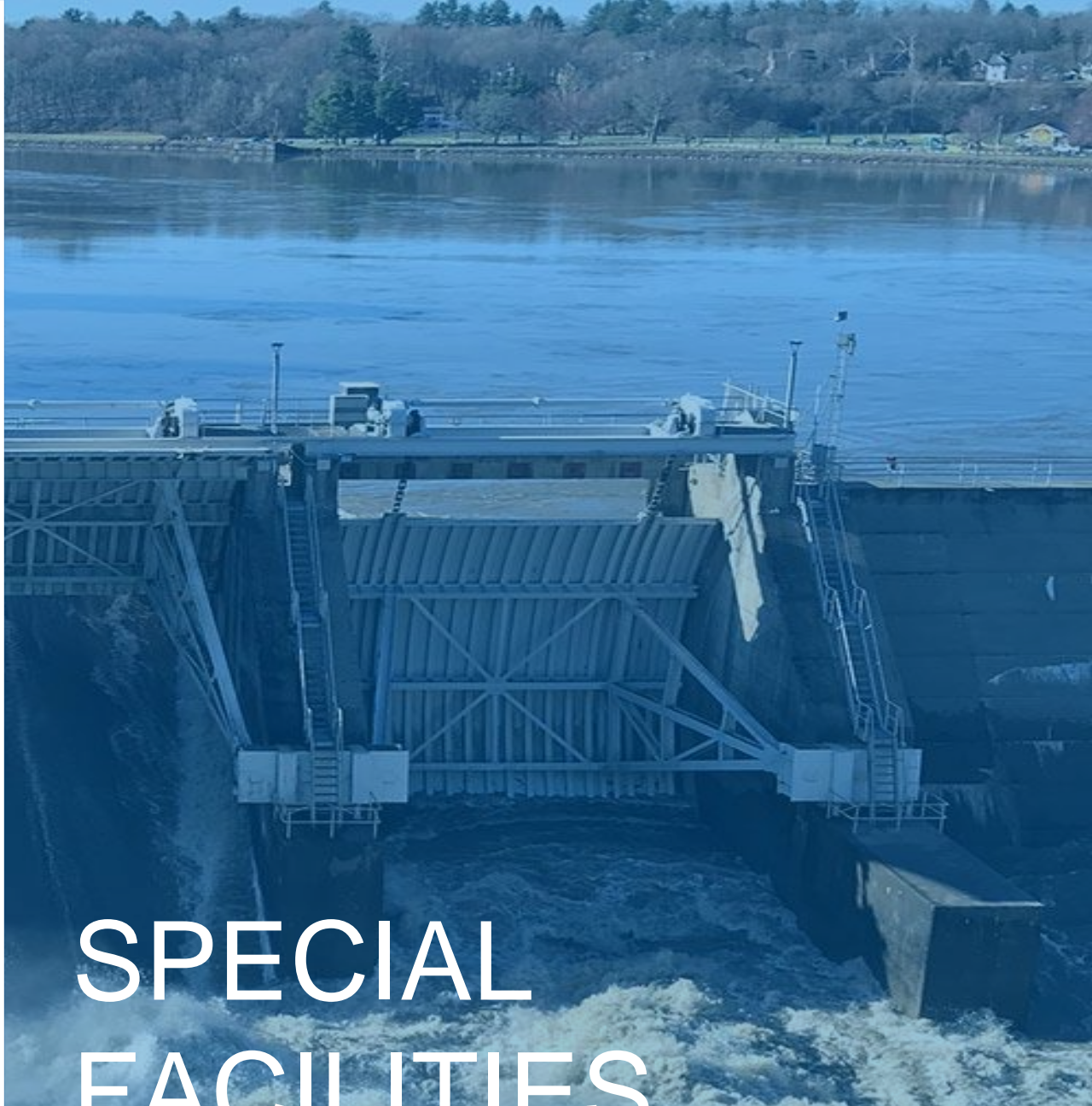
Hydro-Testing Area at Unit -4



Pic: Stainless Steel Gate 1815 x 4936 mm for project Dalmarnock WWTW Scottish Water, UK.



Jash Rodney Hunt Radial Gate for USA Project.



SPECIAL FACILITIES

SYSTEM FOLLOWED TO ENSURE SUPERIOR PRODUCTS



PMI Testing

Jash maintains high material quality standards by ensuring the compliance of all incoming material in to the manufacturing facility. To do so, Jash uses a positive material identification (PMI) tool, which outputs a materials metallurgy within 10 seconds.



Testing Lab

Jash's manufacturing facility is fully equipped with inhouse testing machinery to determine various characteristic of a material such as tensile strength and hardness .

SYSTEM FOLLOWED TO ENSURE SUPERIOR PRODUCTS

Welding Using Qualified Welders & Processes

We use qualified processes for welding & approved qualified welders in conformance with AWS D1.6/ASME Section IX as per AWWA and BS EN 15614 as per BS7775. The welder qualification process is witnessed & approved by Bureau Veritas for welding Stainless Steel grades like 304, 304L, 316, 316L, Duplex & Super Duplex.



DP & Radiography Test

As an integral part of Jash's quality assurance system, all welds undergo dye penetrative testing (DPT) performed by AWS certified inspectors to ensure quality. DPT is performed on all fabricated products weld irrespective of client request. A radiography testing of welding is available upon request.



SYSTEM FOLLOWED TO ENSURE SUPERIOR PRODUCTS



NSF 61 For Drinking Water Application

All materials used in manufacturing of slide gates are NSF 61 certified and the manufacturing processes and systems followed ensure that the final product is in full compliance to NSF 61 requirements for drinking water application.



ISO Certification

We are an ISO-9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company.

Creating a sustainable environment Worldwide !

Thank You



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