



# ASSOCIATED INDUSTRIAL CONCERN



# Introduction

Founded In 1981 In Bangalore, India, Associated Industrial Concern Brings Over 40+ Years Of Trusted Expertise To The Industrial Supply Sector. As A Leading Supplier Of Valves, Pipes, And Industrial Components, We Pride Ourselves On Delivering High-Quality Products That Power Industries Across Diverse Sectors, Such As Mining / Petroleum / Hospitality / Defence / Aviation / Railways / Construction / Steel Plants / Oil And Gas / Energy Sector. With A Legacy Of Reliability, Innovation, And Customer-Centric Service, We Remain The Partner Of Choice For Businesses Seeking Excellence.



The manufacturing range includes engineered industrial valves such as Ball valves, Butterfly valves, High performance butterfly valves, Angle seat control valves, Solenoid diaphragm valves, Globe Control valves, Pneumatic cylinders and rotary actuators & other pneumatic accessories. With continuous intention to create value proposition to meet the dynamic needs of the clients, the pursuit of excellence, innovating and designing new products is always an ongoing process at Asten. This commitment to the client is what makes Asten as most preferred vendor in the industry. The clientele includes various engineering sectors of industries such as Water Treatment, Oil & gas, Steel, Aluminum, Chemical, Pharmaceutical, Petrochemical, Fertilizer, Power, Food & Beverages, Paper, Sugar, Railways etc.



The key pillars responsible for our growth and sustainability are consistent product innovation, engineering excellence, precision manufacturing and 100% quality testing. Today, we celebrate our success in our customer's satisfaction and this motivates us to endeavor continuous improvement.



# Clientele

## Power / Oil & Gas



## Food & Beverages / Sugar / Textile / Paper



## Chemical / Pharma / Healthcare



## Steel & Mining / Manufacturing



## Water Treatment / EPC / Cement / Others



## Exports



# Product Range

## Butterfly Valves

Size Range : 1.½" to 20"  
Rating : PN10, PN16  
Ends : Wafer, Lug Type,  
Double Flanged



## Ball Valves

Size Range: ½" to 12"  
Rating : 150# to 2500#  
Ends : Screwed / Flanged  
Socket Weld /  
Buttweld



## Control Valves

Size Range: 1" to 8"  
Rating : 150# to 600#  
Ends : Flanged / Buttweld



## High Performance Butterfly Valves

Size Range : 1.½" to 20"  
Rating : 150# to 600#  
Ends : Wafer, Lug Type,  
Double Flanged



## Angle Seat Control Valves

Size Range: ½" to 3"  
Rating : PN16  
Ends : Screwed / Flanged  
Triclover



## Knife Gate Valves

Size Range : 2" to 20"  
Range : PN10 or 150#  
Ends : Wafer - Lug Type /  
Flanged



## 3/2 Way Control Valves

Size Range: ½" to 2"  
Rating : PN40  
Ends : Screwed / Flanged  
Triclover



# Product Range



## Solenoid Valves

Size Range : 1/2" to 2"  
 Rating : Upto 12 Bars  
 Duty : On/off and Pulsing Type  
 Ends : Screwed & Flanged



## Pneumatic Cylinders

Bore Size : 32mm to 100mm  
 Stroke : Upto 2000mm  
 End Cover : Aluminum



## Roto Seal Couplings

Size Range : 1/4" to 2" BSP  
 Rating : Upto 10 Bars  
 Ends : Screwed



## Non Return Valves

Size Range : 1/2" to 24"  
 Rating : PN40 / upto 15000 PSI  
 Ends : Wafer / Screwed



## Strainers

Type : Y Type, T Type, Simplex / Duplex, Conical  
 Size Range: Upto 16"  
 Ends : Screwed / Flanged / Butt Weld



## Motorized Valves



## Gate / Globe / Check Valves

Size Range: 1/2" to 36"  
 Rating : 150#, 300#, 600#, 800#, 900#, 1500#, 2500# : Socket weld, Screwed,  
 Ends Flanged, Butt weld

# Manufacturing Process

## RAW MATERIAL

1 Raw materials such as metallic casting, round bars, forged components, hardware, gaskets, paint, packing material, etc. are procured from our approved vendors.

## QUALITY ASSURANCE

2 All the raw materials are inspected by our quality team prior to introducing into the manufacturing process. Various dimensional checks, metallurgy tests, chemical tests, along with visual inspection are performed to ensure that only the approved material is sent for further process in the production.

## MACHINING

3 As per schedule, the raw products are delivered to the machine shop, which consists of CNCs, lathes and drilling machines. Post machining, the parts are checked as per the approved drawings and processed further in the assembly.

## ASSEMBLY & TESTING

4 The machined parts are sent to the final assembly according to the product line. Valves are then assembled by trained professionals and sent further for testing. Valves are tested as per API 598, BS 6755 before processing further to Painting & Packaging.

## PAINTING

5 On carbon steel surfaces, one coat of corrosion resistant primer (red oxide) is sprayed, post which painting is performed as per manufacturers standard or client's specification. Stainless steel material surfaces are electroplated and processed for final inspection.

## FINAL INSPECTION

6 Final inspection is performed by our QA team, so that it is ensured that the ordered material is made ready as per client's requirements and relevant approved documents.

## PACKING & DISPATCH

7 Ready materials are generally packed in individual corrugated boxes and a sticker with basic product specification along with product photo is labelled on each of these boxes. It is ensured that environmental friendly packaging material is used during the packing. For large size valves, hard foam packaging is done and for very large size valves, material is packed into wooden case, with a cushion of paper waste for trouble-free transportation to its destination. The package is then booked for shipment as per the client's requirements along with the invoice and packing slips.

## WORKFORCE

CNC  
OPERATOR



5

LATHE  
OPERATOR



12

DRILLER



6

ASSEMBLY



12

## UNSKILLED WORKMEN

FACTORY  
HELPERS



10

PACKING  
HELPERS



5

# Manufacturing Facility

COVERED AREA  
1700 sq. yd.

UNCOVERED AREA  
450 sq. yd.

CONNECTED LOAD  
135 kW

## CNC

ACE MICROMATIC - MODELSUPER JOBBER LM 500 TURNING CENTER - 1 NOS  
ACE MICROMATIC - MODELSUPER JOBBER LT20 C TURNING CENTER - 1 NOS  
PRIDE MACHINE TOOLS - MODEL DHANUS-12 TURNING CENTRE - 1 NOS  
PRIDE MACHINE TOOLS - MODEL PARAM-350 TURNING CENTRE - 1 NOS



## LATHE TURNING MACHINES

18" HEIGHT CENTER LATHE (HEAVY DUTY) - 1 NOS  
15" HEIGHT CENTER LATHE (HEAVY DUTY) - 1 NOS  
10" HEIGHT CENTER LATHE (HEAVY DUTY) - 1 NOS  
8" HEIGHT CENTER LATHE (HEAVY DUTY) - 3 NOS  
4" HEIGHT CENTER LATHE (HEAVY DUTY) - 6 NOS



## DRILLING MACHINES

RADIAL DRILL MACHINE - 1" - 1 NOS  
DRILL MACHINE - 3/4" - 4 NOS  
DRILL MACHINE - 1" - 2 NOS  
DRILL MACHINE - 1 1/2" - 1 NOS



## OTHER MACHINES

ELECTRIC WELDING MACHINE - 1 NOS  
ARGON WELDING MACHINE - 1 NOS  
AIR COMPRESSORS - 3 NOS  
RUBBER MOULDING MACHINE - 1 NOS  
LASER MARKING MACHINE - 1 NOS



## TESTING ARRANGEMENTS

HYDRO TESTING BENCH - 4 NOS  
PNEUMATIC TESTING BENCH - 3 NOS  
HYDRO PNEUMATIC TESTING UNIT - 2 NOS  
ELECTRICAL TESTING UNIT - 1 NOS



### PNEUMATIC ACTUATOR TESTING

LEAKAGE TEST  
OPERATING TEST  
MIN. OPERATING PRESSURE TEST

### TYPE TEST

TORQUE OUTPUT TEST  
CYCLE TEST  
RESPONSE TIME TEST

### SPECIAL TEST

RADIATION & LOCAL QUALIFICATIONS  
HELIUM LEAK DETECTION TEST  
VIBRATION TEST  
SEISMIC QUALIFICATION



# YOUR BRIDGE TO INDUSTRIAL EXCELLENCE



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Let's Build Success Together!