

baastech

Industrial Automation & Engineering Solutions

ISO 9001:2015 Certified Company



COMPANY BROCHURE

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ABOUT US:

BAAS TECH was started in 2003 to provide automation solutions to medium and light Engineering Industries. The company is a Design and manufacturer of Special Purpose Machine, Laboratory Equipment, Test Equipment, Assembly Machines, Jigs and Fixtures to Engineering Industries and Laboratories.

In 2013 we started Manufacturing and machining high quality CNC products for engineering industries. We are supplying the products and services on time with best quality.

OUR MISSION:

- To manufacture products which are of exceptional quality, highly innovative and minimize the process of loss.
- To serve multiple industries of different sectors.
- To earn the trust and goodwill of clients, and maintain said goodwill.
- To empower & encourage employees to take initiative and deliver their best.

SOME OF OUR PRODUCTS

SPECIAL PURPOSE MACHINES(SPM)

- ❖ Hot Plate Welding Machine
- ❖ Heat Staking Machine
- ❖ Auto Ball Loading Machine
- ❖ Screw Tightening Machine
- ❖ Trickling Machine
- ❖ Multi Drilling Machine
- ❖ Bearing Inserting Machine
- ❖ Stud Welding Automation
- ❖ Mig Welding Automation
- ❖ Pick and Place Machine
- ❖ Pipe Bending Machine
- ❖ Pipe Nipple Bending Machine
- ❖ Foil Sealing Machine
- ❖ Vacuum Packing Machines
- ❖ Box Stretch Wrapping Machine
- ❖ Hydro,Pneumatic and servo Based Machines etc.

LAB & TESTING EQUIPMENT

- Blood Penetration Test Equipment
- Water Absorption test Equipment
- Test Equipment for LPG Industries
- Test Equipment for Compressed Gas Cylinder Valves.
- Test Equipment for Helmet Testing
- Test Equipment for Pressure Cooker Testing
- Test Equipment for Insulated Containers for Food Storage.
- Hydrostatic Test Equipment
- Leak Testing Equipment
- Test equipment for Helmet Testing
- Test Equipment for Jib Testing
- Load Bearing Test Equipment.
- Test Equipment for Sports footwear Etc.

SPECIAL PURPOSE MACHINES

Hot Plate Welding Machine

Hot plate welding is the process of joining two parts of a plastic component using heated plate. Plastic welding using hot plate method involves three sequential stages. Namely applying heat, pressure and cooling. The parts to be welded are pressed on preheated plate for predefined time for sufficient plastic material to melt. Then the heated plate is withdrawn and the slightly melted surface of two parts is pressed together to form a joint.

Applications:

Hot plate welding has made it important in the building industry where it is used in the manufacture of UPVC door and window frames, which are made from extruded sections and welded at each corner.

Other major industry using hot plate welding is the automotive sector. Automotive lamp assemblies, Battery casings, Air ducts & Tank filters.

Domestic appliance components- Washing machine agitators & Soap dispensers. Water purifier cartridge, Pump bodies etc.





Heat Staking Machine

Some assembled plastic parts need to be taken apart and reassembled possibly multiple times. In those cases, the best fastening options are metal threaded inserts. The insert is heated with a thermal press to a point where the insert then melts a small portion of the hole periphery as it is being pushed into the part. The softened resin flows into the knurl pattern and then hardens to form a firm bond with the insert. Because the process is easy to control, it costs relatively low and lends itself well to automation (multiple inserts can be pressed in at once), heat staking is the more commonly applied process for thermoplastic materials

Applications:

Used in Automotive industry for door panels, map pockets, light-pipe staking, consoles, arm rests and switch clusters and also in Medical applications including blood-processing equipment, chemical pumps, fittings. Thermal presses are also used in Toy Manufacturing, Sporting Goods industries and Consumer Product applications including personal computers, portable telephones, laser printers, copy machines, video games, speakers and appliance components and in Industrial applications including conveyor systems, gears, pulleys, couplings, and motor housings etc.

SPECIAL CUSTOM MADE MACHINES

These Custom Designed Machines can also be customized as per client's specific need. BAAS TECH has provided high-quality services and custom machinery to a wide range of companies in a number of different industries, with build capabilities ranging from automotive industries, packing industries to custom automation, automated systems, material handling, assembly and more. Our organization sees the value in getting machinery that's specially designed and manufactured to help them improve productivity and increase revenue.



AUTO BALL
LOADING MACHINE

AUTOMATIC SCREW TIGHTENING MACHINE WITH SCREW FEEDER



This Automatic Screw Tightening Machines can also be customized as per client's specific need. BAAS TECH has provided high-quality services and custom machinery to a wide range of companies in a number of different industries, with build capabilities ranging from automotive industries, packing industries to custom automation, automated systems, material handling, assembly and more. Our organization sees the value in getting machinery that's specially designed and manufactured to help them improve productivity and increase revenue.

HYDRO-PNEUMATIC TENSILE TEST SPECIMEN CUTTING MACHINE

This machine is used for tensile test specimen cutting for UPVC Pipes, HDPE Pipes and Rubber / Latex Rubber





INSERT FIXING MACHINE / HEAT STAKING MACHINE



SCREW TIGHTENING MACHINE FOR MIXER GRINDER



MULTI DRILLING MACHINE



PIPE NIPPLE BENDING MACHINE

LABOURATORY AND TESTING EQUIPMENTS

TEST EQUIPMENT FOR COMPRESSED GAS CYLINDER VALVES

IS 3224:2021

Clauses:10.4.1 AND Cl.10.5

- This equipment is used for hydraulic burst pressure testing and leak tightness testing of valve for compressed gas cylinders excluding LPG cylinders.
- Data logging of date, time, temperature, pressure and pass/fail status is provided.



IS 3224:2021

Clause:10.6

This equipment is used for endurance test of 2000 cycles (opening and closing of valve @300 bar pneumatic pressure) for compressed gas cylinders excluding LPG cylinders.

- Data logging of date, time, temperature, torque, pressure and pass/fail status is provided.



IS 17569:2021

Cl.7.6.2 : Pendulum Impact Apparatus

Cl.7.7 : Strength of the Handle test Apparatus

Cl.7.8 : Test for Strength of Shoulder Strap

Cl.7.14 : Seepage Test

- This equipment is used to test quality of insulated containers for food storage.
- Strength of handle and shoulder strap as well as seepage is tested.



IS 13392:2021

Clause: 5.5 and Annexure D

- This equipment is used to test against Permanent deformation or failure of the pressure cooker handle.
- Data logging of date, time, number of cycles is provided.



IS 3400:Part XVI:1974

Clause: 2.1

- This is a ross flexing test equipment.
- Ross flexing is a method to determine the resistance of rubber to cut growth when subjected to repeated flexing or bending under specific conditions.



FLEXING INDEX TEST EQUIPMENT FOR CELLULOSE BOARD

IS 15844:2010

Annex P

- This is a flexing index test machine used for testing flexing index of cellulose board..



IS 5914:1970

LP 19

- This equipment is used for testing flexing endurance and surface finish of light leathers.
- The test piece is folded and clamped at each end where one clamp is fixed and the other moves up and down flexing the leather.
- Damages such as cracking of grain layer, powdering of fibres and development of holes through the leather are verified.



IS 16240:2023

Clause: 6.7 and Annex E.

- This equipment is used for Hydrostatic pressure test of the completely assembled RO system shall be conducted in 3 stages, with differentiation of zones for different pressurization condition.
- Data logging of date, time, pressure is provided.



IS 16240:2023

Clause: 6.8.

- This equipment is used for full device pneumatic leakage test of the completely assembled RO system.
- Data logging of date, time, pressure and pass/fail status is provided.



BLOOD PENETRATION RESISTANCE TEST APPARATUS

IS 16545:2016

- This is a blood penetration testing apparatus used to determine the resistance of a protective clothing material to penetration by synthetic blood.



IS 2556(Part 1):2021

Clause: 10.3

- This is a water absorption test equipment used for testing water absorption of Vitreous sanitary appliance.



TEST EQUIPMENTS FOR LPG VALVE HYDROSTATIC TEST AND CYCLE TEST



IS 8737:2017

Clause:8.2 - Hydrostatic Test

Clause:9.2 - Cycle Test

- This equipment is used for Representative samples of machined valve bodies, before assembly shall be checked by hydrostatic test at pressure of minimum 1.5 times of working pressure.
- The valve shall perform satisfactorily for not less than 5 000 cycles of opening and closing operations with valve inlet connected to an air supply of not less than 686 kPa (7 kg/cm²)
- Data logging of date, time, pressure and pass/fail status is provided.

IS 4151:2005

Clause: E – 2 (Method : B)

- This equipment is used to test projections and surface friction of helmet.
- The rotation-inducing forces caused by projections on the helmets are checked by shear impact.
- The friction is assessed by the displacement of carriage abrading the outer surface of the helmet.
- Data logging of date, time, load and travel speed is provided.



IS 4151:2005

Clause: 7.7 (ANNEX - H)

- This equipment is used to test retention of helmet.



IS 6506:1972

Clause: 4.4

- This is a water sprayer equipment used as a part of the test setup for thermal shock on glassware.



TEST EQUIPMENT FOR JIB



BAAS TECH

CNC MACHINED COMPONENTS

We are Manufacturer and Supplier of CNC Machined Components, which are extensively used in Automobile Industries, Hydraulic segment and other engineering industries. Parts are manufactured in a clean, burr-free condition and finished to exact specifications.



CLIENTELE



Expanding Horizons

