

SAMADHAN INNOVATIVE SOLUTION LLP.

**Explore Our
Products...!**



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About Us

Samadhan Innovative Solutions LLP was established in September 1997 with the aim of manufacturing inspection fixtures, checking fixtures, assembly inspection gauges, and holding fixtures for automotive part suppliers, OEMs, and tool makers.

With vast experience in the automobile sector and a vision to lead the automotive industry with world-class quality and cost-effectiveness, our team possesses extensive knowledge of all types of automotive parts and their functions.

Inspection Gauge

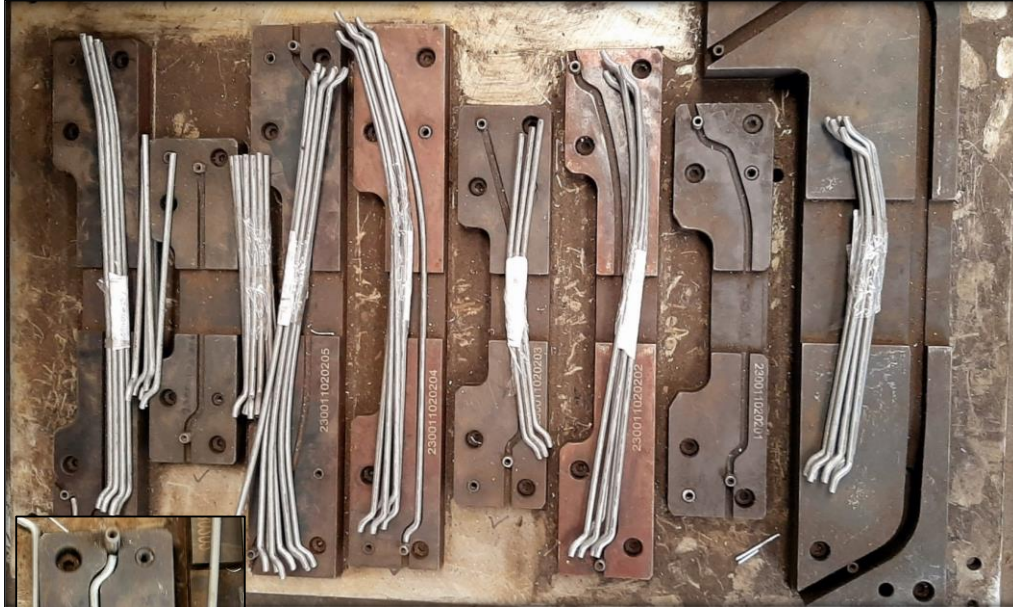


✿ It is designed for checking of bend pipes this fixture consists of elements for pipe position checking in the straight portion even with complex bend angles ,also it features bend profile templates at bend radius for complete profile checking of pipe

✿ It is designed for checking the hole position on a multiple bend pipe. It features manual clamping and a manual hole checking gauge of a complex profiled pipe



Bend Checking Fixture



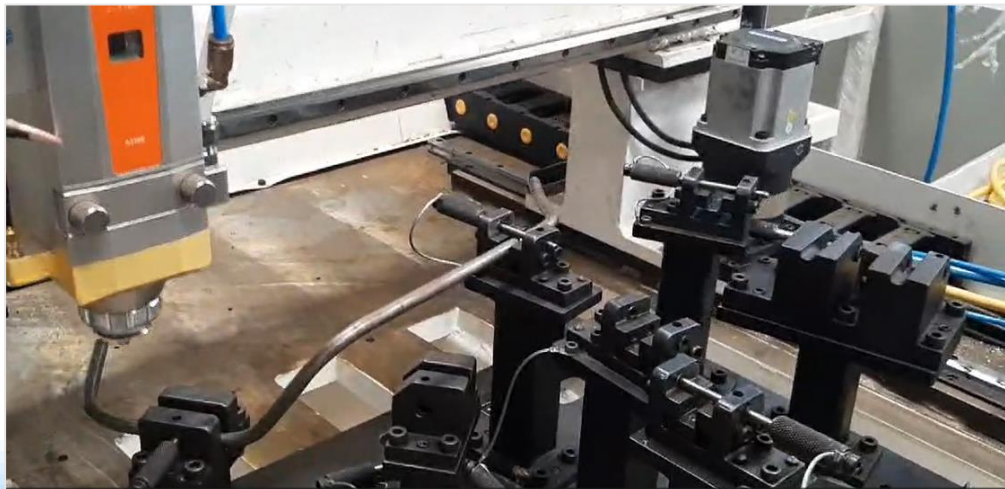
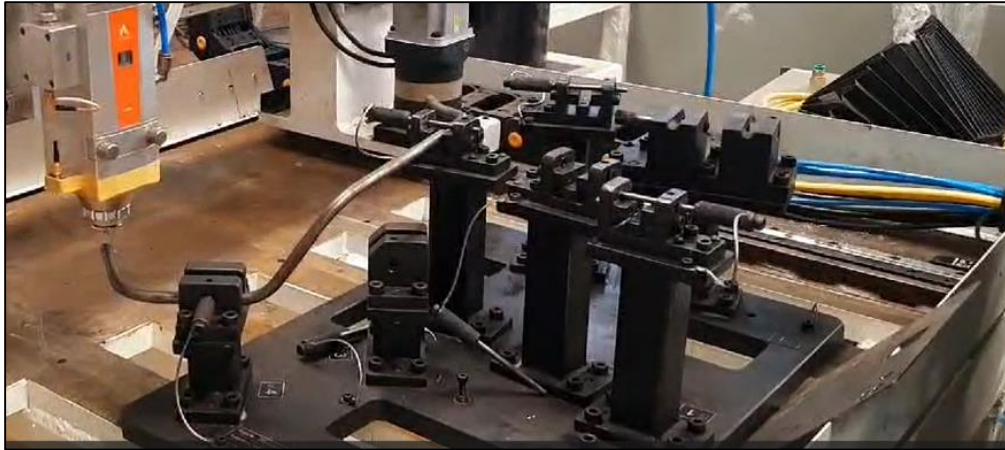
- ⚙️ The fixture on the right displays one such fixture for bend profile checking of solid rod with top end profile checking pin which ensures that the rod is checked in relation to both axis

- ⚙️ Bend checking fixtures are specially designed to inspect the bends on Solid rods and wire forms . This fixture can check multiple bend points.

- ⚙️ We have manufactured fixtures from 2.5 mm dia wire to 18 mm complex form solid rods



Fixtures for Laser Machine



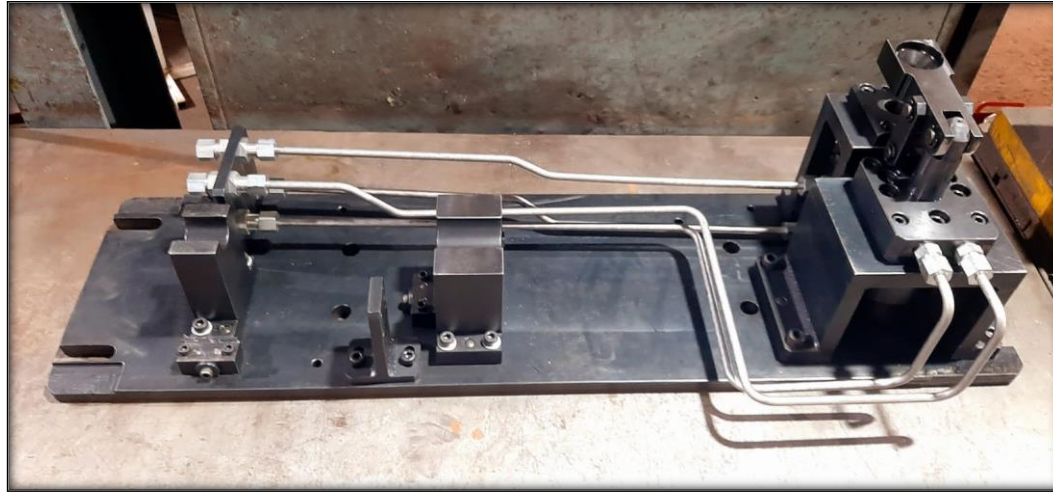
- ✿ The machine fixtures are designed for the **SISL Laser Drilling SPM**. This fixture is capable of clamping 4 bent pipes at the same time for the drilling operation. Each pipe has a different drilling position. With the help of this fixture, we can maintain the same height on the surface for all 4 pipes, which makes the laser drilling process fast and seamless.
- ✿ The pipes are specifically located at the point of drilling which ensures accuracy in drilling operation as the pipe is rigidly located at the point of hole making operation

Bend Pipe Fixture With Pneumatic Clamping



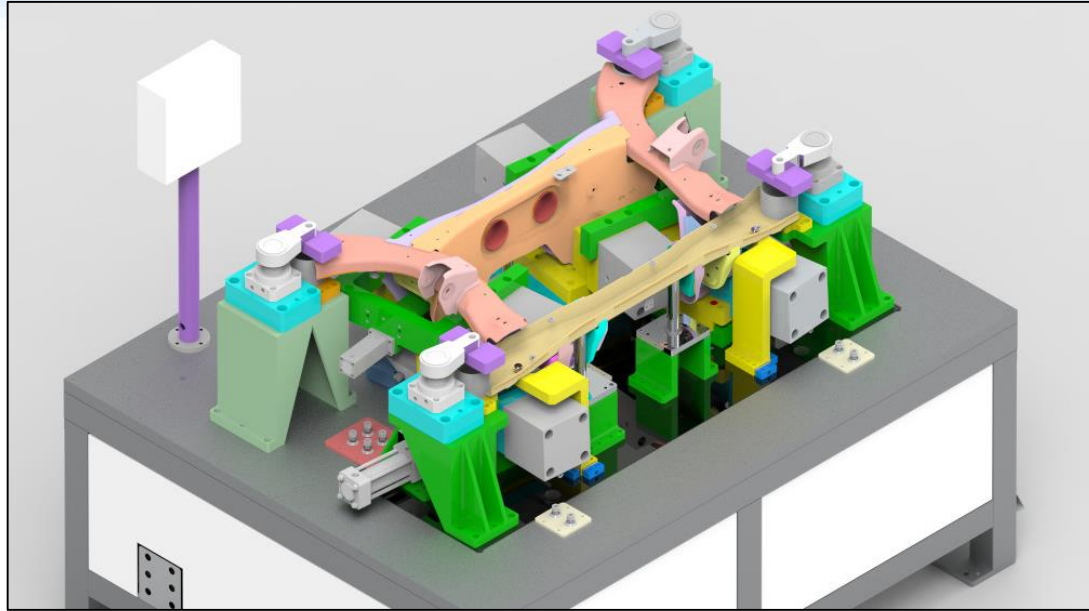
- ⚙️ This fixture is specially designed for the handlebar pipe of two-wheelers. It has a pneumatic clamping system and a mechanical stopper arrangement to observe the pipe length after swaging. The fixture has the capability to clamp two handlebars at the same time for the cutting operation on the specific SPM.

Machining Fixture With Hydraulic Clamping



- ⚙️ This fixture is designed for holding component which has to be machined on vertical machining center special feature of the fixture is the integrated hydraulic clamping system the QRC couplings can be fitted to existing power pack which saves the loading unloading time and increases rigidity in clamping of component during machining
- ⚙️ If required, we can provide hydraulic power pack and integrate with machine

Hydraulic Clamping Fixture



- ⚙️ This fixture is specially designed for the automobile industry. It is capable of holding a chassis assembly for piercing and notching operations. It is designed to be fitted on an **SISL make Piercing SPM**. The fixture is equipped with a hydraulic clamping system to make the operation effortless.

Fixture For Bend Pipe Cutting



⚙️ These fixtures are manufactured for holding of bent pipes for cutting operation these are designed to work with down saw cutting machines main feature of these fixtures is repeatability in holding and positioning of pipe for precision cutting in accuracy of plus or minus 300 microns .

⚙️ These fixtures are manufactured according to various lengths of pipes varying from a few 100 mm to 2500 mm of length

⚙️ To increase efficiency we have incorporated 2 pipes in a single fixture



Fixture For Drilling and welding applications



⚙️ These fixtures are manufactured for holding of sheet metal assembly's for final operations such as drilling or reaming operations these fixtures have plp location and clamping and also equipped with jig bushes for tool guiding to ensure proper accuracy and positioning

⚙️ These fixtures are manufactured for holding of sheet metal individual parts for assembly welding applications these fixtures can be used for different applications such as spot welding ,MIG welding ,these fixtures are designed according to the applications to ensure proper clearances for spot welding guns and proper protection for the pneumatic tubing to avoid puncher



Pipe Bending Tooling



- ⚙️ We have manufactured tooling for split type construction tooling, Booster bending applications, we have manufactured tooling from Ø5 mm to Ø127 mm and CLR from 10 mm to 350 mm.

- ⚙️ Bending Tooling to Suit Various Make Bending machines such as YLM / EPH SISL machines.



Our Esteemed Customers



Contact US

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