WELDCON
INDIA[P.]LTD.

## THE COMPANY

We are located at Nashik, 180 Kms from Mumbai, spread over approximately 10000 sq. ft. area in the Prime Industrial Zone of Ambad, with all latest facilities required to produce and maintain tooling for Sheet Metal Welding. The trained staff and established vendor network, takes care of every minute problem in Manufacturing. Our service staff, with service centers, in Nashik, Pune, Delhi, Bangalore, Chennai and Rudrapur, is competent to handle any kind of resistance welding challenge. We have established a design center with all modern engineering software and trained engineers working round the clock for creating turn key solutions for Body In White Technology. The state of art tool room manufacture the components of these solutions with a stringent qualitative approach.

As a result of these efforts coupled with Engineering Expertise, Continuous up gradation of facilities, Commitment in meeting project deadlines and effective post sales support has enabled us to achieve over 7000 Installations spread over the country. This is one of the largest number of installations by any supplier in India. Not only has the number, but repeated orders from customers and customer retention to the extend of 100% speak volumes about the faith and trust created by Weldcon with Customers.

Experience in handling variety of jobs with innovation and willingness to accept challenges makes this Company the most vibrant team working in the field of Resistance welding in India. Aggressive product design and continuous up gradation of Technology is order of the day.

## THE MISSION

A Solution based approach of the team for providing **Integrated Turnkey Services** for Body in white weld Shops to the Automobile and Engineering Industry at Large by **study & evaluation of project's requirements, innovative designs, meticulous planning, precise manufacturing, creating awareness** of the latest technological developments, committed deliveries and **after sale service.**

## MILESTONES

1997 : Formation of Firm Weldcon India.

1999 : Association with TECNA S.p.A., Italy.

2000 : Supply of welding equipment lines for model A, B & C to Maruti Udyog Limited.

2001 : Conversion of Company to Private Ltd.

2002 : Welding Automation for Petrol Tank Line of Bajaj Auto Ltd.

2003 : Acquired a new premises of 45000 Sq. feet at Ambad Industrial Area.

2004 : Technology transfer for manufacturing of arms from Tecna.

2005 : Setup of State of the Art Tool Room.

2006 : Developed Networking Tool for Welding Machines.

2008 : Development of complete range of Light Track System.

2009 : Supply of Welding equipment lines to Mahindra Chakan

2009 : Formation of Wiresys Auto Components Pvt. Ltd. for Auto Component Business

2010 : Diversification in Agriculture Business by formation of SG Orchards

2011 : Introduced Nut & Bolt Feeders.

2012 : Introduction of new series of guns.

2013 : Formation of joint Venture with Tecna, S.p.A., Italy.

## CLIENTELE

Maruti Suzuki India Ltd.
Ashok Layland Ltd.
Bajaj Auto Ltd.
Bharat Heavy Electrical Ltd.
BMW India Pvt. Ltd.
Caterpillar India
Fiat India Pvt. Ltd.
Ford India Pvt. Ltd.
General Motors India Pvt. Ltd.
Hindustan Aeronautics Ltd.
Hyundai Motor India Ltd.
John Deer
Krohne Marshall Pvt. Ltd.
Mahindra and Mahindra Ltd. Farm Equipment Sector
Mahindra and Mahindra Ltd., Auto Sector
Mahindra Navistar Automotives Ltd.
Piaggio Vehicles Pvt. Ltd.
Renault Nissan Automotive Pvt. Ltd.
Tata Motors Ltd.
The International Aerospace Manufacturing Pvt. Ltd.
VE Commercial Vehicles Ltd.
Volkswagen India Pvt. Ltd.
Jai Bharat Maruti Ltd.
Caparo Maruti Ltd.
Vee Gee Industrial Enterprises Pvt. Ltd.
S.K.H. Metals Pvt. Ltd.
Mahindra Ugine Steel Co. Ltd.

# SPECIAL PURPOSE MACHINE

Vast experience of working with auto and auto ancillary units, enable our team to perfectly visualize the bottlenecks. Bottlenecks may be in productivity, quality, part consistency and skill dependency. Every machine is designed with specific approach to resolve either one or many of these issues. The solution also takes into consideration the floor space available, since the Special Purpose Machines are normally deployed in existing production facilities.

Simplistic approach helps reduce cost, however, machines with up to 8 servo motion axes and as many as 4 welding guns operating simultaneously have also been deployed for more complex and demanding applications.

Reduced power consumption is priority and fixture mounted guns with transformers or robot integrated transguns are preferred over long secondary bus bars wherever possible.

Our experience of working with various sheet metal component manufacturing companies, ranging from small workshops to large automotive, industrial, aerospace and machine tool manufacturing companies, has enabled us to address typical manufacturing challenges faced by these industries.

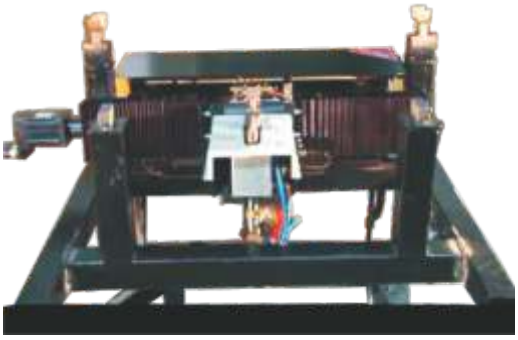
The challenge varies from situation to situation. At one place it may be inconsistency inherent to the input parts, but a task to maintain consistency in output part, by way of incorporating detection and correction mechanism built into the machine. Some other customer might be facing an issue of human skill dependency, and the machine needs to address the issue of de-skilling. Some more other customers may be facing challenge to achieve targeted output production within the available time and machine is then designed to provide expected productivity. Shop floor space coverage, low power and utility consumption, use of industry standard parts, ease of availability of bought-out spares are some of the other considerations that makes the project value rewarding for the customer in long run.

Machines are conceived to be adaptable to future changes in product design at the concept stage itself, wherever possible. Cost benefit analysis is done based on flexibility and investment required. This ensures that customer's investment, its costs and returns are predictable.

User friendly man-machine interface, robust construction, ease of maintenance are fundamental design rules.

MULTI SPOT WELDER FOR 12 SPOTS

**Application**
Joining Inner and Outer of Motorcycle Petrol Tank.
**Purpose of automation**
Very high productivity, Critical Geometry
**No of weld Heads**
10 C type and 2 X type.
**Cycle Time**
20 secs.



TWO AXIS ROBOTIC APPLICATION FOR 16 SPOTS

**Application**
Joining of reinforcement to Three Wheeler Chassis.
**Purpose of Automation**
Invisible spot location on chassis line.
**No of weld Heads**
01 C type Weld Gun
**Cycle Time**
38 secs

### 3 AXIS ROBOTIC APPLICATION FOR 21 SPOTS

**Application**
Joining of two outer halves of motorcycle petrol tank..
**Purpose of automation**
Very high productivity, Critical Geometry , Overlap limited to only 1.5 mm.
**No of weld Heads**
One single point Gun
**Cycle Time**
42 secs

### ROTARY TABLE FOR 18 SPOTS

**Application**
Joining of windshield reinforcement to skudo of three wheeler
**Purpose of automation**
Very high productivity, Critical Geometry
**No of weld Heads**
18 nos single point guns. Series Welding.
**Cycle Time**
20 secs

### MULTI SPOT WELDER FOR 4 SPOTS

**Application**
Joining of Fuel Neck to outer of Motorcycle Petrol Tank.
**Purpose of automation**
Very high productivity, Critical Geometry
**No of weld Heads**
02 nos
**Cycle Time**
8 secs

### MULTI SPOT WELDER FOR 18 SPOTS

**Application**
Joining of reinforcement to skudo of three wheeler..
**Purpose of automation**
Very high productivity, Critical Geometry
**No of weld Heads**
18 nos single point guns. Series Welding.
**Cycle Time**
20 secs

### 7 AXIS ROBOTIC APPLICATION FOR 38 SPOTS

**Application** - Joining of LH and RH side reinforcement to skudo and joining of Floor to Skudo.
**Purpose of automation** - Very high productivity, Critical Geometry, Invisible spots for skudo floor joining.
**No. of weld heads** - 03 X type guns working simultaneously.
**Cycle Time** - 30 secs

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rudrapur@weldconindia.com

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South Region - south@weldconindia.com
chennai@weldconindia.com

East Region - east@weldconindia.com

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