Head Office’s adress:
Via Campagnole, 5 – 31038 – PAESE - TREVISO – ITALY
Phone: ++39.0422.832449 – Fax: ++39.0422.832450 – E-mail: managing@corimpex.biz
COMPANY HISTORY
Since 1977 Corimpex, pride themselves on their design Expertise in the manufacture of Submerged Arc Welding Fixtures, Standard and customised, increasing Productivity, Profitability and Safety industry.

MISSION
1. Customer’s satisfaction
2. Provision of adequate financial and technological resources for a continue improvement.
3. Design and development of new welding hard automation and integrated device for relevant processes.
4. Safety norms compliance.
5. Maintain the relationship with the certification authorities for international products.
Corimpex with its new Work shop Environment (2800 m²) and offices (600 m²) as well a staff composed by 45 persons is able to meet and handle the most Challenging Engineering requirements of today’s Manufacturers.
OUR MAIN PRODUCTS FOR DIFFERENT STEEL CONSTRUCTION AREA

1. Beam welding line
2. Horizontal Straightening machine
3. Heavy duty One side Plate Seam Welder
4. Poles welding line
5. Universal Column and Boom (different sizes and applications)
6. Rorators.
7. Shaped Beam welding line
8. Girth welding
CUSTOMERS WORLDWIDE

More than 250 Installations in
21 different countries worldwide
Beam Welding Machine

Models
LIGHT AND MEDIUM duty machine

THE NEW DESIGN: TC MODEL

-BWM-TC-1500/700-LD

-BWM- TC -2000/ 1000-MD

-BWM- TC -2000/ 1250-MD

-BWM- TC -2500/ 1000-MD
THE TRADITIONAL MEDIUM duty machine

-BWM-2000/1000-MD
-BWM-2000/1250-MD
-BWM-2500/1000-MD
HEAVY duty machine

-BWM 2000/1250-HD
-BWM 2500/1250-HD
-BWM 3000/1250-HD
EXTRA HEAVY duty machine

- BWM 2700/1500-XHD
- BWM 3300/1500-XHD
- BWM 3500/1500-XHD
- BWM 4000/1500-XHD
<table>
<thead>
<tr>
<th>Control Type</th>
<th>Machine Type</th>
<th>Manual</th>
<th>Semi-Automatic</th>
<th>Full Automatic</th>
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<tr>
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<td>BWM-LD</td>
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<td>semi-automatic</td>
<td>full automatic</td>
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<td>B</td>
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<td>semi-automatic</td>
<td>full automatic</td>
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<td>B1</td>
<td>BWM-TC-xxx-MD</td>
<td>semi-automatic</td>
<td>full automatic</td>
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<tr>
<td>C</td>
<td>BWM-xxx-HD</td>
<td>semi-automatic</td>
<td>full automatic</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>BWM-xxx-XHD</td>
<td>semi-automatic</td>
<td>full automatic</td>
<td></td>
</tr>
</tbody>
</table>
BWM identification code

- BWM  Beam Welding Machine
- BWM/2000  Beam Maximum Height
- BWM/xxxx-1000  Flange Maximum Width
- BWM/2000-1000/xx  type of duty
COMPOSITION of the Line

INFEED CONVEYOR

a- Infeed conveyor for STRAIGHT and TAPERED Beams

b- Infeed conveyor for CAMBERED Beams

c- Infeed conveyor for BOX Beams

d- Infeed conveyor for Dedicated Beams
Infeed conveyor for straight and tapered beams

This type of infeed conveyor is STD.

All the Powered and idler rolls are of the Fix Level type.

One side of the Web supporting arms is Tilting up - down of 90° to easy Loading of the web and flange. The Other Side is stationary.
Infeed conveyor for CAMBERED beams

This type of infeed conveyor is OPTIONAL.

All the Powered and idler rolls are of the Raising - Lowering Level type

One side of the Web supporting arms is Tilting up - down of 90° to easy Loading of the web and flange. The Other Side is stationary.
OPTIONS on the Infeed

1- WEB SUPPORTING ARMS TILTING ON BOTH SIDES

2- CENTERING AND ALIGNING STATION

3- FLANGE & WEB LOADED BY BRIDGE-CRANE

4- FLANGE & WEB LOADED BY SEMI-AUTOMATIC SYSTEM
OPTIONS on the Infeed

Arms tilting on both sides

Flange/Web aligning station

Electro-magnets

The magnets must be used in connection with the Vise

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OPTIONS on the Infeed

Web - loading with semi automatic system

Flange - loading with cross transfer
COMPOSITION of the Line
OUTFEED CONVEYOR

Including:
- Elevating rolls
- Hydraulic Tilters (option)
- Cross conveyor (option)
Elevating rolls

Powered roll & hydraulic height adjustment
Hydraulic Tilters: tilting phases
Outfeed Cross conveyor: transferring of the T beam in a stocking area or to the infeed conveyor of a second beam welding line.
Beam Welding line: type of SAW equipment

- Single wire (DC process)
  - One torch each side

- Twin wire (DC process)
  - One torch each side

- Tandem arc process (AC/DC process)
  - Two torch each side (fully recommended when full penetration is requested)
Beam Welding line: type of power generator

- Single wire or Twin arc process

- Conventional tandem arc process

- Tandem arc process with new power wave
Hi tech BWM Automation touchpad

Main working label:
• Machine Auto/manual mode
• Beams dimensions window
• Welding heads up/down and wire inch up/down
• Centering and post-deforming travel Manual mode
• Monitoring of Centering and post-deforming position
• Production data Recall (times and welding length)
• Machine lay-out window
• Advanced welding protocol window
• Welding parameters setting
• 2nd welding head automatic start mode
• Flux recovery manual mode
• Beam graphic display
Heavy duty One side Plate Seam Welder

Available machine size:

- PSW 1500
- PSW 2000
- PSW 2500
- PSW 3500
Heavy duty One side Plate Seam Welder

Composition of the line

Hydraulic Centering infeed & outfeed conveyor

Seam welder Machine
Heavy duty One side Plate Seam Welder

Grinding machine

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Heavy duty One side Plate Seam Welder

BEVELLING MACHINE

X,V,K bevel type
three oxy-cutting head

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Tech. Specifications

- Poles diameter: 60-790mm
- Sheets thickness: 3 – 5 mm
- Type of poles: round and 8-12-16
  18-20 sides tapered
- Welding process: SAW &/or MIG
Universal Column and Boom
(different sizes and applications)

Vertical boom stroke: 3000 mm  4000 mm  5000 mm  6000 mm  7000 mm
Horizontal boom stroke: 2000 mm  4000 mm  5000 mm  6000 mm  7000 mm
Rotation of mast: 360° (manual)
Boom travel speed: 200-2000 mm/min
Boom elevation speed: 1000 mm/min
Base traverse speed: 200-2000 mm/min
Overall C&B: 4670 mm  6000 mm  7220 mm  8570 mm  9570 mm
Height: 4700 mm  6080 mm  7300 mm  8600 mm  9600 mm

Various machine strokes designed for a variety of loading capacities. (Single-arc, Twin-arc, and Tandem-Arc applications)
Rotators
(different load capacity)

1. Manual Alignment rotators
2. Auto aligning rotators
3. Fixed/Motorized or idler Base
COLUMN AND BOOM WITH DOUBLE HEAD (different sizes available)

Shaped beams welding line

Trailer chassis Welding fixture with dedicated stationary gantry with longitudinal carriage on which the two welding heads are fitted; shaped beam’s plates are clamped by hydraulic & pneumatic assembly jig fixture.

Straight & tapered Beam welding line

The assembling JIG is used to assembly H-beams without need of tack-welding. The web is in horizzontal position while the flange positioning is managed by raising and lowering hydraulic device.
Girth welding machine (tank welding machine)

- Welding in three o’clock position
- Single Cab
- Double Cab
- Sheet height range: 2-3.5 m
- Diameter range: 3-80 m (or more)
**SEPARATED FLANGE EDGE MILLING UNIT**

- Separated device for flange edge milling.

**INTEGRATED FLANGE EDGE MILLING UNIT**

- The milling unit is integrated in the infeed conveyor of a Beam Welding line.
- Four milling heads operating simultaneously!
- Milling process during welding process!

**IMPROVED BEAM PAINT ADHESION!**

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## Sales Results 2010

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<th>Country</th>
<th>Value [€]</th>
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<tr>
<td>Spain</td>
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<td><strong>Total Sales 2010</strong></td>
<td><strong>11,875,400,00</strong></td>
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**Sales 2010**

- **India**: 35.45%
- **UK**: 6.32%
- **Spain**: 6.70%
- **Israel**: 12.63%
- **France**: 1.78%
- **Russia**: 3.73%
- **New Zealand**: 0.01%
- **Turkey**: 5.06%
- **Portugal**: 4.52%
- **Poland**: 0.04%
- **Azerbaijan**: 1.94%
- **Germany**: 0.87%
- **Australia**: 3.12%
- **Belgium**: 0.12%
- **Iraq**: 3.09%
- **Ireland**: 0.12%
- **Netherlands**: 2.73%
- **Estonia**: 2.57%
- **Other Countries**: 12.63%

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<table>
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<tr>
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<td>TOTAL BUDGET</td>
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</table>
THANKS FOR YOUR KIND ATTENTION!

CORIMPEX A.W.T.

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