RESISTANCE WELDING PRODUCTS

SPOT WELDING ELECTRODES & COLD FORMED CAP TIPS
- Male / Female Cap Tips
- Double Bend Z Electrodes
- Swivel Head Electrodes
- Tungsten / Molybdenum Insert Electrodes
- Straight / Bend Shanks

SEAM WELDING WHEELS & FLASH BUTT ELECTRODES
- Seam Welding Discs / Wheels
- Silver Segment Housings
- Seam Welding Shafts
- NS5 Bush and Flexible Links
- Butt Welding Inserts, Holders and Parts

ROBOTIC BEND HOLDERS & IT GUN ARMS
We design & manufacture complete range as per customer requirements
FLEXIBLE SHUNTS AND CABLES

PROJECTION WELDING ELECTRODES
Pneumatic & Spring Loaded Fixtures
Adapters for nuts, bolts & other weld parts Projection Welding Electrodes

KCF Guide Pins & Sleeves

NUT/BOLT POSITION CHECKER
a. Easy Installation
b. OK, NG Error Alarm

PROBLEM DETECTED BY NUT/BOLT POSITION CHECKER
- Double Nut
- Incorrect Nut
- Reverse Nut
- No Legs
- No Nut
- No Plate

FLEXIBLE LINKS AND CONNECTORS
We have in house facilities of Electro Fusion Process to manufacture:
Laminated Sheet Flexible Links
Bunched Copper Wire Flexibles
2D/ 3D Bend Bus Bars
Water Cooled Kickless & Jumper Cables
ETP Copper Adapters, Terminals and Current Plugs
### TYPICAL PHYSICAL AND MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Alloy Name</th>
<th>Chemical Composition Percentage (%)</th>
<th>Density (g/cm³)</th>
<th>Rockwell Hardness</th>
<th>Conductivity I.A.C.S. (%)</th>
<th>Tensile Strength Mpa</th>
<th>UNS/RWMA</th>
<th>Application And Typical Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>WADSON C100</td>
<td>Copper</td>
<td>99.90</td>
<td>8.9</td>
<td>82.9-0 F</td>
<td>99</td>
<td>C11000</td>
<td>Bus Bars, connecting plates, Flexible links in the form of foils, braided wires etc.</td>
</tr>
<tr>
<td>WADSON A1X</td>
<td>Chromium (Cr) Copper (Cu)</td>
<td>0.8 Bal</td>
<td>8.9</td>
<td>70-75 B</td>
<td>76-80</td>
<td>C18200</td>
<td>Spot and seam welding cold and hot rolled steels, current carrying shafts and arms, backup bars.</td>
</tr>
<tr>
<td>WADSON A2X</td>
<td>Chromium (Cr) Zirconium(Zr) Copper (Cu)</td>
<td>0.6 - 1.2 .03 - 0.1 Balance</td>
<td>8.9</td>
<td>72-80 B</td>
<td>78-80</td>
<td>C18150</td>
<td>Spot and seam welding cold and hot rolled steels and coated materials. Resistance welding tips and discs for high production rates. Moulds for continuous casting of steel or aluminum.</td>
</tr>
<tr>
<td>WADSON ZX</td>
<td>Zirconium(Zr) Copper (Cu)</td>
<td>0.1 - 0.3 Balance</td>
<td>8.9</td>
<td>72-80 B</td>
<td>78-80</td>
<td>C15000</td>
<td>Spot and seam welding coated steels.</td>
</tr>
<tr>
<td>WADSON NSX</td>
<td>Nickel (Ni) Chromium (Cr) Silicon (Si) Iron (Fe) Copper (Cu)</td>
<td>1.6 - 3.0 0.1 - 0.8 0.4 - 0.8 0.0 - 0.15 Balance</td>
<td>8.81</td>
<td>86-94 HRB</td>
<td>48</td>
<td>75</td>
<td>C18000/ Class 3 Welding Tips, Collets, Seam Shafts/ Bush, Plunger Tips, Plastic Mold ejector pins and moulds</td>
</tr>
<tr>
<td>WADSON BNX</td>
<td>Beryllium (Be) Nickel (Ni) Copper (Cu)</td>
<td>0.3 - 0.5 1.3-1.6 Balance</td>
<td>8.9</td>
<td>90-98 B</td>
<td>45-48</td>
<td>680</td>
<td>C17510 Class 3 Spot and seam welding stainless steel, Monel and nickel alloy, flash welding dies, plunger tips and electrode holders.</td>
</tr>
<tr>
<td>WADSON BX2</td>
<td>Beryllium Cobalt Copper</td>
<td>1.8-2.1 0.3-0.6 Balance</td>
<td>8.7</td>
<td>35-40 C</td>
<td>22</td>
<td>1140</td>
<td>C17200 Class 4 Flash Butt welding dies, Parts for electrical components. Cooling pins and neck rings or bottom plates for blow moulds of plastics.</td>
</tr>
<tr>
<td>WADSON T1WC</td>
<td>Tungsten (W) Copper (Cu)</td>
<td>75</td>
<td>14.80</td>
<td>96 B</td>
<td>45</td>
<td>74400</td>
<td>C11 Class 11 Flash Butt welding dies, cooling pins &amp; neck rings or bottom plates for blow moulds of plastics.</td>
</tr>
<tr>
<td>WADSON T2WC</td>
<td>Tungsten (W) Copper (Cu)</td>
<td>80</td>
<td>15.60</td>
<td>103 B</td>
<td>41</td>
<td>74400</td>
<td>C11 Class 11 Die inserts on most flash butt welding dies, Production of light electrical upsetting, electro forming dies, and seam welder bushing inserts.</td>
</tr>
<tr>
<td>WADSON W100</td>
<td>Tungsten (W)</td>
<td>100</td>
<td>19.28</td>
<td>39 C</td>
<td>31</td>
<td>74300</td>
<td>Class 13 Electrode and die inserts where welding pressure are relatively high.</td>
</tr>
<tr>
<td>WADSON M100</td>
<td>Molybdenum</td>
<td>100</td>
<td>10.20</td>
<td>89 B</td>
<td>30</td>
<td>82300</td>
<td>Class 14 To weld nonferrous materials &amp; also used for electro brazing electrode material and for some electrical upsetting operations.</td>
</tr>
</tbody>
</table>

### Weld Analyser

![Weld Analyser Image]

### Force Checker

![Force Checker Image]

### Constant Current Weld Controller

![Constant Current Weld Controller Image]

### Tip Dresser

![Tip Dresser Image]

### Nut Feeder

![Nut Feeder Image]

### IT Gun & SSW Transformer

![IT Gun & SSW Transformer Image]