DIC SOLDERING SYSTEM
SS-8300 - SS-8400
Adopting "Super Tip"

Super Tip is of a special alloy with heat treatment and has the features shown in the following table. (PAT. PEND.)

<table>
<thead>
<tr>
<th></th>
<th>Super Tip (Special Alloy with Iron Plating)</th>
<th>Conventional Tip (Copper with Iron Plating)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effect of Heat</td>
<td>○</td>
<td>×</td>
</tr>
<tr>
<td>Heat Transmission</td>
<td>○ (Thanks to effect of Miniature Size Heater &amp; Sensor)</td>
<td>○</td>
</tr>
<tr>
<td>Life</td>
<td>2 to 4 times longer (Conventional tip 3 times longer)</td>
<td>×</td>
</tr>
<tr>
<td>Cost</td>
<td>Half the Conventional Tip</td>
<td>×</td>
</tr>
</tbody>
</table>

O Good  X No good

"Super Tip" and New developed Heater

- The temperature characteristic is quite good because the heater and the sensor are inserted into the tip - the highest level in the world.
- The tip is separated from the heater. So the tip can be replaced independently therefore lowering running cost - less than half.
- The life span of "Super Tip" is 2-4 times longer than Conventional tip made of copper with iron plating.
**Comparison of Temperature Characteristic**

- **Target of Work**: 64 Pin DIP IC 32 Soldering Points

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**Life Test**

- **Temperature at 390°C**: 0.8 °C Lead Free Automatic Soldering Test

**Super Tip**: 85-05-001
- Special alloy iron plating
- Tip after 30,000 shots

**Conventional Tip**
- Copper iron plating
- Tip after 20,000 shots

**Latest Information**

From the report of the test done in one of the major factories for approx. 3 months, it proves that the Super Tip has the life span of 155,400 shots that is 3 - 4 times longer than the Conventional Tip with the life span of 45,700 - 50,000 shots.

**Main Body (Controller)**

1. Miniature type enables to use easily.
2. Versatile functions are available.
   - 1. Set Up of Tip Temperature (°C)
   - 2. Set Up of Limit of max. Temperature (°C)
   - 3. Set Up of Shut Off Time (min.)
   - 4. Set Up of Stand By Time (min.)
   - 5. Set Up of Stand By Temperature (°C)
   - 6. Set Up of Off Set Value
   - 7. Set Up of Limit to Tip Temperature Change
3. CE certified

● Please contact DIC or the local agent for your inquiries.

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