Precision Copper Strips and Their Characteristics by Calvin Smith

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With characteristics such as high conductivity, high durability and superior dimensional control, precision copper strips have always been one of the most essential parts of several industrial sectors. Apart from these, they also have features such as extensiveness, flexibility, as well as superior mechanical properties which allow it to serve as ideal elements for any residential, industrial and commercial applications. Precision copper strips meet the requirements of an array of industries which ranges from furniture to household appliances, computer peripherals to automobiles, and even to a high end construction unit.

Some of the major advantages and benefits of precision copper strips are as below:

1. These strips have high conductivity, superior dimensional control and are highly durable.

2. Superior dimensional control helps to achieve longer contacts.

3. It can be easily fabricated and soldered / welded.

4. Heavy carrying capacity which enables it to meet the most complex requirements.

5. Capabilities to perform under extreme weather condition.

6. Corrosion resistance.

7. Reduces the maintenance expenditure.

8. Availability in a wider variety of shapes, sizes and composites.

9. Ideal for almost every industrial, commercial and residential application.

10. And much moreâ€¦

Precision copper strips serves as an essential tool for mechanical, engineering, construction, fabrications and various other industrial applications. As a matter of fact, it has been required almost everywhere in the industry. As discussed, they are available in different shapes and their sizes ranges from 2.00 mm to 45.00 mm (depending upon the requirements). These sizes and shapes are designed to meet the requirements of different industrial applications such as filtration in oil, petrochemical, paper, pulp, water and food industries, automobiles, architecture, construction, automobiles and various other industries. Precision copper strips are also widely used in panel boards, automatic machines, power transformers, bus duct manufacturing, generators, electroplating plants, etc.

There are few professional wire manufacturing companies out there who can provide you with a wide range of quality products for precision copper strips. A professional company ensures to implement the cutting edge manufacturing standards which enable them to deliver the best in class products to their customers. Such companies use universal cold rolling mill to manufacture these strips. Besides, they also make sure to follow the below steps:

a) Manufacturing with contact type measuring system, along with continual dimensional check for highest level of accuracy.

b) Close dimensional controls with up to +/- 0.010 mm both on width and thickness.

c) Final dimensional checks of the finished shapes by utilizing the latest profile projector.

d) Manufacturing of the copper strips in annealed to hard condition.

e) Manufacturing of the strips based on the customers and industrial required standards.

As stated earlier (couple of times), a professional manufacturer develops these strips in various sizes, shapes and composition meeting the varied requirements of their customers and industries. These shapes include:

1. Square Shapes, which is available in Flat edges and Round edges with size ranging from 1.30 mm to 6.30 mm.

2. Rectangular and Flat shapes which is available in Flat edges and Round edges with width ranging from 2.00 mm to 15.00 mm, and thickness ranging from 0.60 mm to 6.00 mm.

3. Triangle, Tear Drop, Oval, Diamond, Hexagonal, and Half Round shapes with maximum width up to 15.00 mm.

4. Developing of complex profiles of copper strips based on the drawings provided by the customer.

To sum it up, incorporated with numerous advantages and functionalities, and availability in different sizes and shapes adding up with numerous distinct features, precision copper strips have always served as an essential part for almost every industry.

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