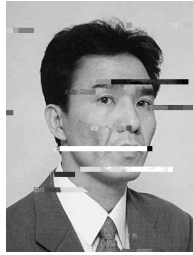


Development of High Dimensional Accuracy Smaller Diameter Wire Rods and Square Coils Manufactured by 4-Roll Mill



Synopsis:

The development of high dimensional accuracy smaller diameter wire rods and square coils manufactured by 4-roll mill is described. The 4-roll mill is a new type of mill which can produce wire rods and square coils with high dimensional accuracy. The 4-roll mill is composed of four rolls arranged in a square pattern. The wire rods and square coils are produced by passing the steel through the four rolls. The 4-roll mill has several advantages over the traditional 3-roll mill. First, it can produce wire rods and square coils with high dimensional accuracy. Second, it can produce wire rods and square coils with a wide range of diameters and shapes. Third, it can produce wire rods and square coils with a high yield rate. The 4-roll mill is a promising technology for the production of high dimensional accuracy smaller diameter wire rods and square coils.

1 Introduction

The development of high dimensional accuracy smaller diameter wire rods and square coils manufactured by 4-roll mill is described. The 4-roll mill is a new type of mill which can produce wire rods and square coils with high dimensional accuracy. The 4-roll mill is composed of four rolls arranged in a square pattern. The wire rods and square coils are produced by passing the steel through the four rolls. The 4-roll mill has several advantages over the traditional 3-roll mill. First, it can produce wire rods and square coils with high dimensional accuracy. Second, it can produce wire rods and square coils with a wide range of diameters and shapes. Third, it can produce wire rods and square coils with a high yield rate. The 4-roll mill is a promising technology for the production of high dimensional accuracy smaller diameter wire rods and square coils.

2 4-Roll Rolling Technology

2.1 Characteristics of 4-Roll Rolling

Figure 1 shows the schematic diagram of the 4-roll rolling process. The workpiece is fed between the top and bottom rolls, and the side rolls are used to guide and support the workpiece during the rolling process.

Figure 1. Schematic diagram of the 4-roll rolling process.

The 4-roll rolling process is characterized by its ability to produce high-quality products with a wide range of shapes and sizes. The use of side rolls allows for better control of the workpiece's shape and size during the rolling process.

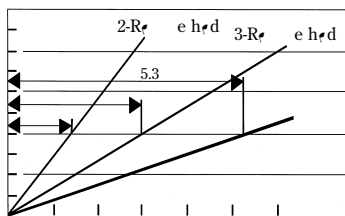
Figure 2. Schematic diagram of the 4-roll rolling process.

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2.2 Application of 4-Roll Mills

Fig. 3. Schematic diagram of the 4-roll rolling process.



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Figures 4. Schematic diagram of the 4-roll rolling process.

Table 1. Schematic diagram of the 4-roll rolling process.

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Development of Small Diameter Wire Rods

3 Development of Small Diameter Wire Rods with High Dimensional Accuracy

Development of small diameter wire rods with high dimensional accuracy is a key technology for the production of high quality wire rods. The development of small diameter wire rods with high dimensional accuracy is a key technology for the production of high quality wire rods. The development of small diameter wire rods with high dimensional accuracy is a key technology for the production of high quality wire rods.

3.1 Stable Material Feed to 4-Roll Wire Rod Mill

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