

After over 100 years of use, Mayer Rods are still popular today

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After first being used in Germany in the 1880's Wire Wound Coating Rods were popularized by Charles Mayer. Mayer's rods were first used for the manufacture of carbon paper and spread from there. This paper will answer the question: "Why use a 100 + year old coating Process"? The simple answer is that it delivers an accurate, smooth, repeatable coating and using it is relatively inexpensive.

This paper will discuss:

- How the rod works.
- Basic components and why they are chosen.
- Different rod configurations and when they are used.
- Various application configurations
- Wrap angle over the rod.
- Web tension
- Range of Coatings.
- Coating Head Configuration
- Rod holders and Drives
- Operating parameters
- Surface finishes available
- Rod life
- The four most important factors in Mayer Rod Coating