

Formed Rods

Traditional wire bar coaters are wire-wound rods (twine rods with steel wires), the fine wire on the surface is easily loosened or broken, and it is not easy to clean and neither use to make the ultra-thin coating.

To solve this problem, Biuged develops a new product-Formed Rods. These rods are made by a precise mould, as well as implied with the cold extrusion technique to make the uneven wavy curve on its surface, which makes it has the same coating results with traditional wire bar coaters.

Features:

- ◆ Machined by CNC with precise mould, the deviation of groove depth and space is lower than $2\ \mu\text{m}$, which gets more uniform film.
- ◆ The service life will be longer without broken or loosen steel wires.
- ◆ Smooth curving surface makes it easier to clean.
- ◆ Realizing the ultra-thin coating, the thinnest wet film can reach $6\ \mu\text{m}$, which makes it known as super wet film coater.



Main Technical Parameters

Products Name	Ordering Information	Coating Width	Rod Length	The length of holding part	Optional Theoretical Wet Film Thickness (μm)
Regular Formed Rods	BGD 214	200mm	240mm	20mm/20mm	6-8-10-12-15-20 25-30-40-50-60-80
Extended Formed Rods	BGD 215	300mm	400mm	47mm/47mm	-100-120-150-200

Optional Accessories: BGD 1152---holders (suitable for BGD 214)

Note: All rods produced by Biuged are distinguished by its wire diameter or groove depth. For example, we mark 1.0mm wire diameter as 100 μm wire-wound rod, 100 μm is only theoretical wet film thickness, and the achieved fact wet film thickness is only 75% ~ 80% of theoretical value.