

K HAND COATER

A drawdown is the controlled application of a coating on a substrate



The K Hand Coater provides a simple but effective means of applying liquid printing ink, adhesives, lacquers, paints and other surface coatings onto many substrates, including paper, board, plastic films, foils, metal plates, glass plates and wood. Two or more coatings can be applied side-by-side in a single operation, making the system ideal for comparing products.

Features

- Simple to use and economical
- Deposits a wet film thickness of 4-500 microns
- Good repeatability with special impression bed
- Stainless steel rods and wire used for K Bars
- K Bars are numbered and color-coded
- Two or more products coated simultaneously for comparison
- Two manual models available

K Bar Coating

Wire-wound K Bars are produced by winding precision-ground stainless steel wire onto a stainless steel rod, resulting in a pattern of identically shaped grooves which precisely control the wet film thickness. Close wound bars will produce coating thicknesses from 4 to 120 μ m. Still higher coating weights up to 500 μ m can be obtained using spirally wound bars.

Small Starter Set

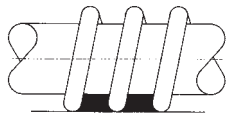
- 1 small impression bed with coating area of 4.3x7.1"/11x18cm
- 8 short K Bars (specified by customer)
- 1 short cleaning and storage rack
- 500 sheets proofing paper (4.7x8.3"/12x21cm)

Large Starter Set

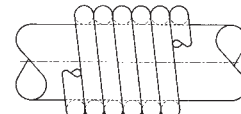
- 1 large impression bed with coating area of 8.7x13.4"/22x34cm
- 8 long K Bars (specified by customer)
- 1 long cleaning and storage rack
- 500 sheets proofing paper (7.1x12.2"/18x31cm)

When color counts, count on Grafitec.

Standard K Bars



Spirally Wound



Close Wound

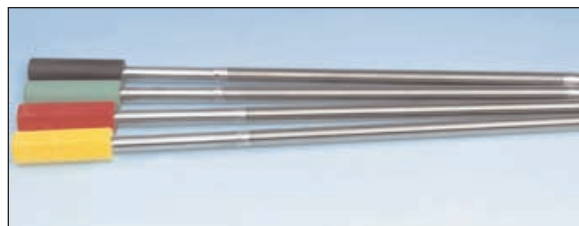
Bar Reference	Wire Diameter		Wet Film Deposit	
	Inches	mm	Inches	μm
150	.01	.25	.006	150
200	.014	.36	.008	200
300	.02	.51	.012	300
400	.03	.76	.016	400
500	.04	1	.02	500

Bar Reference	Color Code	Wire Diameter		Wet Film Deposit	
		Inches	mm	Inches	μm
0	White	.002	.05	.00015	4
1	Yellow	.003	.08	.00025	6
2	Red	.006	.15	.0005	12
3	Green	.012	.31	.001	24
4	Black	.02	.51	.0015	40
5	Bone	.025	.64	.002	50
6	Orange	.03	.76	.0025	60
7	Brown	.04	1	.003	80
8	Blue	.05	1.27	.004	100
9	Tan	.06	1.5	.005	120

Wire diameters with the choice of the following deposits (microns) when close wound are readily available from stock: 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 76, 80, 84, 88, 90, 92, 96, 100, 104, 108, 110, 112, 116, 120, 128, 130, 140, 150.

Special K Bars to apply intermediate wet film deposits are manufactured to customer requirements.

Both wire-wound metering bars and plain smoothing bars are also manufactured to fit all laboratory and production width coaters.



Automatic K Control Coater



Models K101 and K202

With just a little practice, the K Hand Coater produces a uniform and repeatable coating. However, where a number of operators may be involved or when the highest degree of repeatability is demanded (for example, when using the prints for computer color matching), the automatic K Control Coater models are recommended. The automatic unit eliminates any variation in speed and exerts a constant pressure between the bar and substrate. Please request further details on models K101 and K202.

Model K303

This model is a larger version of models K101 and K202, for use on substrates up to A3 size.

Features

See the specific product brochures for detailed information on these models. Some of their features include:

- Controlled speed and pressure to ensure repeatable results
- Coating by wire-wound bars or gap applicators
- Easy to use, easy to clean
- Multiple coatings in one operation for comparison purposes

Three Models

- K101 for drawdowns up to 6.7x9.8"/17x25cm
- K202 for drawdowns up to 12.8x9.8"/32.5x25cm (A4 size)
- K303 for drawdowns up to 13.7x17.3"/35x44cm (A3 size)

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