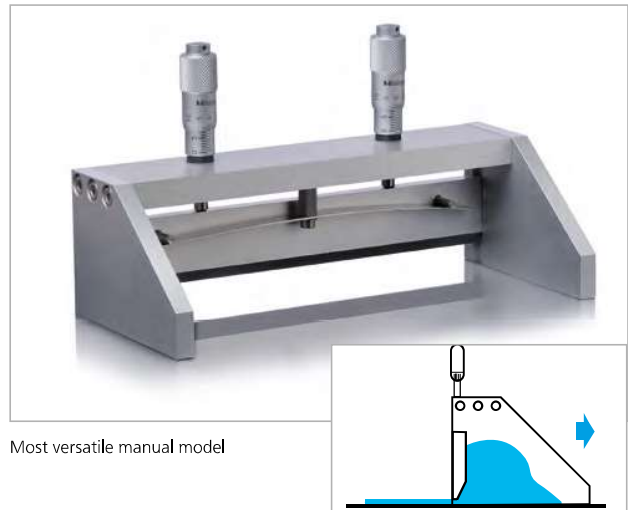


Film Casting Knife

The BYK-Gardner Film Casting Knife is an adjustable clearance film applicator. Its extended end plates confine the coating sample during drawdown. The micrometer adjusted gate allows clearance / gap settings from 0 to 150 mils in 1 mil increments. Metric versions produce clearances / gaps of 0 to 3800 microns in 10 micron increments.

The applicator consists of two end plates joined by a bridge and an adjustable blade below the bridge. Two micrometers extend through the bridge and contact the upper edge of the blade, allowing it to be adjusted upward or downward to control the gap and ultimately the film thickness. The blade and end plates are constructed of 6.4 mm (1/4 in) aluminum. The end plates effectively contain the sample pool during the drawdown process.



Most versatile manual model

Standards

| | |
|-------------|--|
| ASTM | D 823-53 (1970) |
| FTMS | No. 141a, Meth. 2161, 2162, 4255, 6266 |



Ordering Information

| Cat. No. | Description |
|----------|---------------------------|
| 4301 | Film Casting Knife 2" |
| 4302 | Film Casting Knife 4" |
| 4303 | Film Casting Knife 6" |
| 4304 | Film Casting Knife 8" |
| 4305 | Film Casting Knife 12" |
| 2325 | Film Casting Knife, 5 cm |
| 2326 | Film Casting Knife, 10 cm |
| 2327 | Film Casting Knife, 15 cm |
| 2328 | Film Casting Knife, 20 cm |
| 2329 | Film Casting Knife, 30 cm |

Technical Specifications

| Blade Width | Clearance/Gap | Dimensions | Weight |
|-------------|---------------|--|------------------|
| 2 in | 0-150 mils | 76.2 x 102 x 63.5 mm (3 x 4 x 2.5 in) | 0.5 kg (1.2 lbs) |
| 4 in | 0-150 mils | 76.2 x 102 x 114 mm (3 x 4 x 4.5 in) | 0.7 kg (1.6 lbs) |
| 6 in | 0-150 mils | 76.2 x 102 x 165 mm (3 x 4 x 6.5 in) | 0.8 kg (1.8 lbs) |
| 8 in | 0-150 mils | 76.2 x 102 x 216 mm (3 x 4 x 8.5 in) | 1.0 kg (2.1 lbs) |
| 12 in | 0-150 mils | 76.2 x 102 x 317.5 mm (3 x 4 x 12.5 in) | 1.2 kg (2.8 lbs) |
| 5.1 cm | 0-3800 µm | 76.2 x 102 x 63.5 mm (3 x 4 x 2.5 in) | 0.5 kg (1.2 lbs) |
| 10.2 cm | 0-3800 µm | 76.2 x 102 x 114 mm (3 x 4 x 4.5 in) | 0.7 kg (1.6 lbs) |
| 15.2 cm | 0-3800 µm | 76.2 x 102 x 165 mm (3 x 4 x 6.5 in) | 0.8 kg (1.8 lbs) |
| 20.3 cm | 0-3800 µm | 76.2 x 102 x 216 mm (3 x 4 x 8.5 in) | 1.0 kg (2.1 lbs) |
| 30.5 cm | 0-3800 µm | 76.2 x 102 x 317.5 mm (3 x 4 x 12.5 in) | 1.2 kg (2.8 lbs) |

Comes complete with:

- Film Casting Knife
- Reuseable Storage case