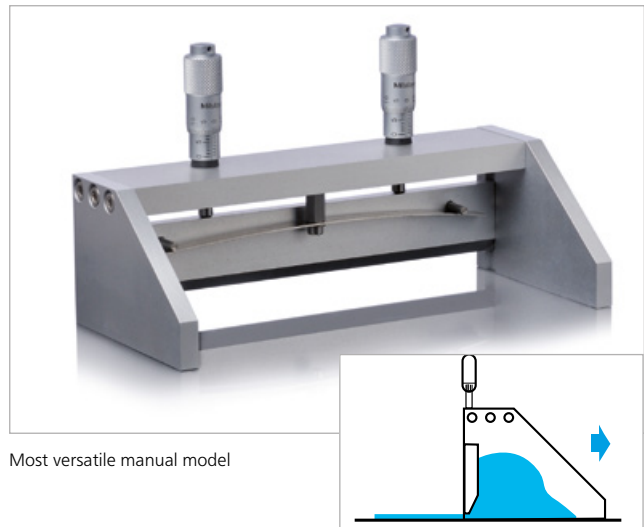


Film Casting Knife

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