



APPLICATORS

The Applicators are manufactured from high quality stainless steel, precision machined, individually calibrated and finishes to meet the quality requirements of the coatings industry.

They provide perfect film drawdowns and guarantee the most reliable sample preparation, essential for all testing purposes. Suitable for application on Hiding Power Charts or any sufficiently rigid support presenting flat and smooth surface, they can be used on glass or flat metal panels.

A range of different applicator formats are available with additional one adjustable gap versions, they can either be used with Impression Beds and drawn by hand or with the Automatic Film Applicators.

Bird Type Applicator

A compact, easy to clean and handy mono-gap unit for intensive daily operations. The prismatic shape accommodates a wide variety of materials without applying excessive shear. Available in 2 film width as standard: (GB) 78 or (ISO) 100mm



Please specify gap size when ordering.
 Other width and gap sizes available upon request

Type	GB-SZQ	ISO-SQZ
Film Width	78 mm	100 mm
Gap Size	Up to 200 µm	



Adjustable Gap Applicator

This versatile applicator offers in one unit with different gap sizes and film width. Simply position the applicator with the selected film thickness, put the sample in the center, and apply as usual.

Type	KTQ-50	KTQ-100	KTQ-150	KTQ-200
Blade Width (mm)	50	100	150	200
Precision (μm)	10	10	10	10
Overall				
Dimensions L X W X H	78×112×100	114×76×100	164×76×100	214×76×100
Instrument Weight (gm.)	358	400	450	500

Levelling Tester

This applicator performs levelling evaluations by applying 5 pair of coating stripes with increased thickness of 100-200-300-500-1000μm. After drying, the coating is deemed to show good levelling if the gap between the film is very small.

Type	LPQ-1	LPQ-2
Specification	100 -1000μm	250 - 4000μm
Style	Gate type	Channel type
Overall dimension	120×20×20mm	120×20×20mm
Weight	0.3kg	0.3kg





Sag Index Applicators

This applicator is specially designed for sag resistance evaluation. Within a film width of 90 cm, 10 gaps are machined with progressive thickness in increments of 25µm, providing parallel coatings tracks on the sample. The test panel is held vertically with the thickest at the bottom, after application. The sag index can be determined by the first track which does not sag onto the next track below. The step interval of each track indicates a sag of 25%.

Type	LG-1	LG-2	LG-3	LG-4	LG-5	Special	Special	Special
Ranges µm	50-275	250-475	450-675	650-875	850-1075	200-600	4-24 mil	14-60mil
Gradient µm	25					100	2 mil	2/5 mil

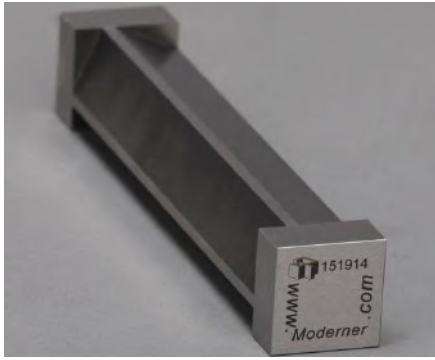
Four Sided Applicators

A flexible and easy to use applicator, combining 4 gaps sizes in one unit. The cylindrical shape provides excellent results particularly on firm substrates and smooth surfaces. By simply rotating through 90°, the next gap size is placed onto the test surface.



Type	Film Width (mm)	Gap (µm)
4-Side	78	20/40/60/80
		25/50/75/100
		30/60/90/120
		50/100/150/200
		100/150/200/300
		100/200/300/400

Please specify gap size when ordering.



Four Sided Bird Applicators

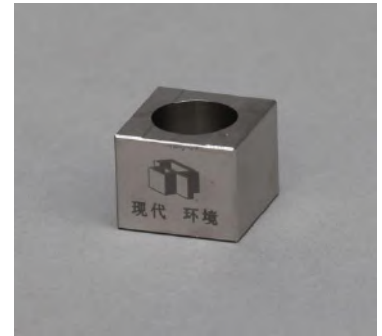
The Four Sided Bird Applicator has 4 application sides for applying 4 different pre-defined thicknesses. The Four Sided Bird Type Applicator is available in two film width 70 and 80 mm, with different gap sizes to choose from.

Type	Film Width (mm)	Gap (μm)
4 Sided Bird	80	25/50/100/150
		50/100/150/200
	70	152.4/203.2/254/101.6
		(3Gap) 508/406.4/609.6

Please specify gap size when ordering.

Cube Applicators

This small applicator is available with 4 film width. It has option of up to 4 gap sizes, machined into each application face. Ideal for application of parallel film stripes



Type	Size	Film Width (mm)	Clearance/Gap (μm)	Number of Gap
Small Cube	30×20	20	100	1
	24×18	18	38/76	2
			75/150	
	25×16	16	150/200/250/300	4
50×40	40	500/600/750/900	4	

Please specify gap size when ordering.



Frame Applicator

The Four Sided Frame Applicator has 4 application sides for applying 4 different pre-defined thicknesses. The Four Sided Bird Frame Applicator is available in different film width with different gap sizes to choose from.

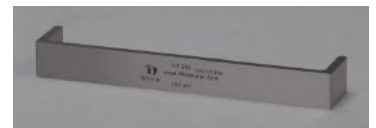
Type	Film Width (mm)	Gap (μm)	Number of Gap
Big Frame	60 (60x80)	25/50/75/100 30/60/90/120 50/100/150/200 100/200/300/400	4
	80 (80x100)		
	90 (90x120)		
Long Frame	160 (160x210)	1000/2000/3000	3
Small Frame	45 (57x45)	25/50/75/100 30/60/90/120 50/100/150/200 100/200/300/400	4
	58 (74x58)		
	100 (120x100)		
Frame Alligator Cracking Thickness	109.5 (109.5x120)	50/300	1

Please specify gap size when ordering.

C-Shaped Applicators

This C-Shaped Applicator is available in larger film width and bigger gap clearance. Comes in an option of individual or twin defined thickness

Type	Film Width (mm)	Gap (μm)	Number of Gap
C-100/150	102	100/150	2
C-500/1000	120	500/1000	
C-1500/2000		1500/2000	
C-250	202	250	1



Please specify gap size when ordering.



Please specify gap size when ordering.

U-Shaped Applicators

This U-Shaped Applicator is available in larger film width and bigger gap clearance.

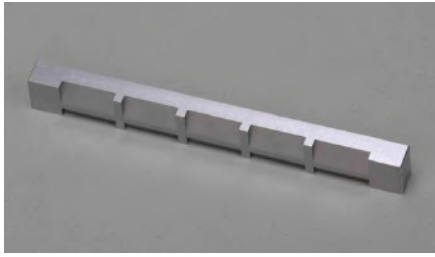
Type	Film Width (mm)	Gap (μm)
U-1000	100 (127×100)	1000
U-1200	105 (127×105)	1200
U-1500	110 (127×110)	1500
U-1400	100 (135×100)	1400
U-1600	105 (135×105)	1600

8-Sided Applicator

This versatile applicator offers in one unit 8 gap sizes: 25-50-75-100-125-150-175-200μm and 76mm film width. Simply position the applicator with the selected film thickness, put the sample in the centre, and apply as usual.



Ordering Information	Film Width (mm)	Gap (μm)	Number of Gap
8-Sided	101.6	25/50/75/100/125/150/175/200	8



Please specify gap size when ordering.

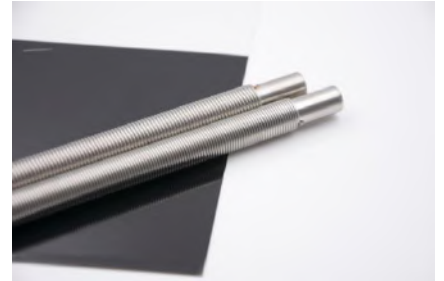
5-Gap Bird Applicator

The Four Sided Frame Applicator has 4 application sides for applying 4 different pre-defined thicknesses. The Four Sided Bird Frame Applicator is available in different film width with different gap sizes to choose from.

Type	Film Width (mm)	Gap (μm)
5-Gap Bird	31.75 (215×31.75)	100
		150
	20 (132×20)	50/100/150/200/250

Wired Bar Applicators

Type	Film Width	Wet Film (μm)	Notes
XB-7	170	70μm	For Ink
XB-10	170	100μm	
XB-12	170	120μm	
XB-12	240	120μm	
XB-15	240	150μm	
XB-20	240	200μm	
XB-25	240	250μm	
XB-30	240	300μm	
XB-40	240	400μm	
XB-50	240	500μm	
XB-60	240	600μm	For Coatings
XB-80	240	800μm	
XB-100	240	1000μm	
XB-120	240	1200μm	
XB-150	240	1500μm	
XB-200	240	2000μm	
XB-250	240	2500μm	
XB-3-SET	240		3 Rods+Holder
XB-4-SET	240		4 Rods+Holder



These wired bars are ideal for application of paints, inks, adhesives, floor polishes and similar coatings onto flexible materials such as paper, test charts, textiles, leather, floor tiles etc. They are particularly useful for the application of a wide coating film (up to 240 mm) or ≥ 2 samples to be drawn simultaneously.

The wire Bars can either be used manually with the Impression Bed or attached to the Automatic Film Applicators