

BIRD-TYPE FILM APPLICATORS 4-SIDED

VF2161, VF2162, VF2163, VF2164, VF1837, VF1530, VF1535, VF1536, VF1580, VF1581

PRODUCT DESCRIPTION

Bird-type film applicator with 4 application sides for applying paint-films of 4 different pre-defined thicknesses. The Bird-type applicator's are available in film width 50 mm, 75 mm, 80mm and 100 mm and are suitable for applying a host of different products onto flat and relatively solid substrates. Since it's made out of high-grade stainless steel, the Bird-type Film Applicator will not be affected by acid or base elements.



BUSINESS

Coating Laboratories, Paint production

STANDARDS

ASTM D 3022 ASTM D 823

SCOPE OF SUPPLY

- Bird-type Applicator
- Calibration certificate

ORDERING INFORMATION

VF2161	Bird-type applicator 50mm, 50/100/150/200µm
VF2162	Bird-type applicator 75mm, 50/100/150/200µm
VF2163	Bird-type applicator 100mm, 50/100/150/200µm
VF2164	Bird-type film applicator 60mm, gaps as desired, Max. gap size: 2000µm
VF1837	Bird-type film applicator, width 50mm, 4 gaps as desired, Max. gap size: 2000µm
VF1530	Bird-type film applicator, width 75mm, 4 gaps as desired, Max. gap size: 2000µm
VF1535	Bird-type film applicator, width 100mm, 4 gaps as desired, Max. gap size 2000µm
VF1536	Bird-type film applicator, width 80mm, 4 gaps as desired, Max. gap size 2000µm
VF1580	Bird-type film applicator width 150mm, gaps as desired, Max. gap size: 2000µm
VF1581	Bird-type film applicator width 150mm, 50/100/150/200µm

ACCESSORIES

VF1601	Application Table 380 x 230
VF1602	Application Table 230 x 160
VF2343	Test charts A6, White/Black B+, with optical brightener, 250pcs
VF2344	Test charts A5, White/Black B+, with optical brightener, 250pcs
VF2345	Test charts A4, White/Black B+, with optical brightener, 250pcs
VF2346	Test charts A5, Black/White chequered B+, with optical brightener, 250pcs

- VF2347** Test charts A4, Black/White chequered B+, with optical brightener, 250pcs
- VF2354** Test charts A3, Black/White chequered B+, with optical brightener, 250pcs
- VF2317** Test charts A6, White/Black B-, without optical brightener, 250pcs
- VF2319** Test charts A5, White/Black B-, without optical brightener, 250pcs
- VF2321** Test charts A4, White/Black B-, without optical brightener, 250pcs
- VF2323** Test charts A5, Black/White chequered B-, without optical brightener, 250pcs
- VF2325** Test charts A4, Black/White chequered B-, without optical brightener, 250pcs

SPECIFICATIONS

Material:	DAIDO 440C medical grade Martensitic stainless tool steel. Sub Zero Vacuum hardened (+1756°C to -70°C), hardness HRC 55 (through hardened*) & tempered.
Surface treatment:	polished
Overall accuracy:	± 2 µm.
Accuracy :	better than 3 micron
Outer dimensions:	90 x 22 x 22 mm / 100 x 22 x 22 mm / 115 x 22 x 22 mm / 120 x 22 x 22 / 140 x 22 x 22 mm

*Through hardening versus Case-hardening or surface hardening.

Through-hardening means the metal uniformly is hardened throughout the piece. Case- or surface (face / frame) hardening only hardens the top layer of the metal. Once the top layer is degraded excessive wear and tear will occur on the product limiting its life time and affecting accuracy.

USE

- Select the appropriate gap and place the applicator on a plane smooth surface such as a glass plate.
- Apply a sample of paint in the centre of the Bird-type applicator near the correct opening.
- Draw down the applicator over the surface.



Due to physical reasons the max. film attainable wet film thickness is not equal to the gap depth. Deposited film thickness may vary from 40% to 80% of the clearance/gap depth. Dry film thickness will be lower than wet thickness due solvent/water evaporation.

SPECIAL CARE

- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Only use non-corrosive solvents to clean the instrument. Use a soft, non-abrasive cloth to dry it.
- Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- When stored for a long period of time, wrap the instrument in oil paper
- We recommend annual calibration.



DISCLAIMER

The right of technical modifications is reserved.

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.