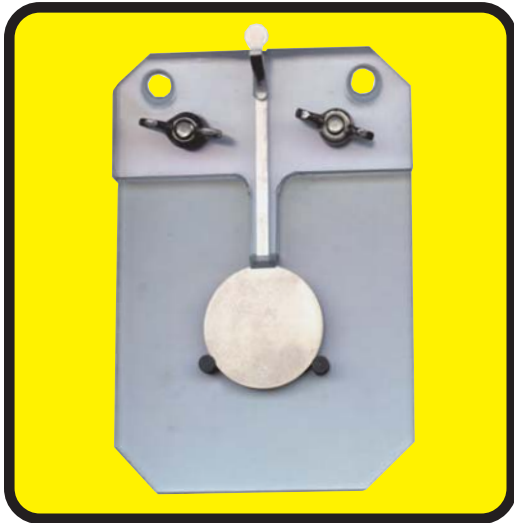




SERFILCO®

MODEL 'ATP' THROWING POWER TESTER

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The Model 'ATP' Throwing Power Tester is a simple device to determine the throwing power of most electroplating baths. It can be used in either the plating tank or in the laboratory.

Model 'ATP' is a plastic fixture to which a circular, stainless steel, removable test coupon is attached parallel to and a fixed distance from the fixture back plate. The coupon has plateable front and back sides. The back side is shielded from the anode and, therefore, represents a low current density area. The ratio of plating thickness from front to back represents the relative throwing power of the bath. A small, accurate power supply, like a Hull Cell rectifier, must be used with the Model 'ATP' Tester.

Model 'ATP' Tester setting for the proper current density

ASF (Amps / Sq. Ft.)	=	Amps	ASF (Amps / Sq. Ft.)	=	Amps
10		.25	45		1.13
15		.38	50		1.25
20		.50	55		1.38
25		.63	60		1.40
30		.75	65		1.63
35		.88	70		1.75
40		1.00	75		1.88

The recommended plating thickness should be based on a potential minimum thickness of .0002"

IN TANK OPERATION

The Model 'ATP' Tester should be fixtured and placed in the plating tank as any piece part to be plated. The coupon must be totally immersed in the bath. Contact to the coupon (cathode) and anode should be made via electrical alligator clips. Plating time is based on efficiency of the particular bath.

After plating, remove coupon from fixture and dry. Check thickness of deposit at center of coupon, front and back. Several thickness testing instruments, both destructive and non-destructive, can be used to determine the thickness on the front and back sides of the coupon. Examples include Beta-backscatter, X-ray fluorescence and coulometric. The ratio of front to back thickness is the indicator of throwing power. For example,

if the front of the coupon is .0002" and the back of the coupon is .0001", the throwing power ratio of 2:1 is present. Changes in chemistry or operating conditions may improve the ratio. The stainless steel coupon may be stripped in the appropriate agent chemistry and reused several times before discarding.

IN THE LABORATORY

The Model 'ATP' Tester can also be used in the laboratory for experimentation. A large beaker or small tank can be used for plating the test coupon.

Model 'ATP' TESTER

Price Code No.: 56-0750

Introductory Price: \$79.00

Additional coupons @ \$3.00 ea., Part No. 56-0751

F.O.B. Northbrook, Illinois

Prices and specifications subject to change without notice.

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