

Part Number Types of Plating	Spiral Contractometer KSC114	Adjustable Support Stand SAS141	Teflon Coated Spiral CTS214	Non Coated Spiral NCS314	Anode Basket Large ABL14	Power Supply HY3005	Mag. Stirrer/Hot Plate MSH4000
Brass	X	X	X	?		X	?
Cadium	X	X	X	?		X	?
Chromium	X	X	X	?		X	X
Colbalt	X	X	X	?	X		
Copper (cyanide)	X	X	X	?		X	X
Copper (Acidic)	X	X	X	?		X	?
Gold (Cyanide)	X	X	X	?		X	X
Godl (Acidic)	X	X	X	?		X	X
Indium	X	X	X	?		X	?
Nickel (Bright)	X	X	X	?	X	X	X
Nickel (Sulfamate)	X	X	X	?	X	X	X
Nickel (Electroless)	X	X	X	?			X
Nickel Cobalt	X	X	X	?		X	X
Palladium	X	X	X	?		X	X
Platinum	X	X	X	?		X	X
Rhodium	X	X	X	?		X	X
Silver (Cyanide)	X	X	X	?		X	?
Tin (Alkaline)	X	X	X	?		X	X
Tin (Acidic)	X	X	X	?		X	X
Zinc (Cyanide)	X	X	X	?		X	X
Zinc (Acidic)	X	X	X	?		X	?

Note 1- The 2014-SC Spiral Contractometer is constructed to self-center on the stand and the stand is constructed to self-center over a 4,000 mm Pyrex beaker. The stand is required for helix calibration.

Note 2- The PN: 4000-S Magnetic Stir Hot Plate is recommended to maintain a uniform temperature throught the recommended 4,000 mm Pyrex holding beaker. The centering stand as stand support blocks are Properly sized to fit the height of the hot plate

Note 3- An X indicates necessary equipment and a question mark indicates optional depending on plating bath operating conditions. Helices without Teflon mask can be used for control purposes with 4-10 % error depending on the deposit throwing power. Nickel results are about 5% error using the new design Specialty Testing Spiral Contractometer.

Note 4- For all deposits except chromium, the model HY3005 Power Supply with zero to 5 amp out put is recommended. For chromium, a 0-10 amp Power Supply is recommended.

Note 5- To determine the deposit plating time and amperage reference the Specialty Testing Spiral Contractometer brochure. A typical test for Nickel is 2.9 amps at 30 ASF for 20 minutes and 40 Seconds for a target thickness of 500 microinches.

