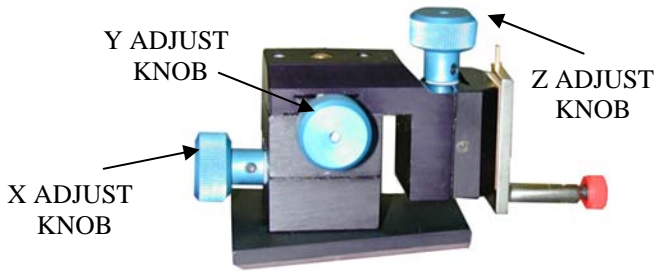




# MODEL 448 MANIPULATOR



Model 448 manipulators have 3 axis controls and are available with either left or right hand configurations. A magnetic base provides strong positioning integrity, yet allows rapid and easy repositioning.

The 448 universal manipulator may be used with any Rucker and Kolls prober.

APPLICATION	Used in manual probing.				
PHYSICAL DIMENSION	Width	2"			
	Length	4"			
	Height	2"			
AVAILABLE ACCESSORIES	PROBE ARM TYPES	ORDER # FOR SHORT STYLE		ORDER # FOR LONG STYLE	
	20 DEGREES	11979-001		15392-001	
	30 DEGREES	11979-002		15392-002	
	45 DEGREES	11979-003		15392-003	
	COAXIAL 1.0 MILS	14856-001		15412-001	
	COAXIAL 1.5 MILS	14856-002		15412-002	
	COAXIAL 2.0 MILS	14856-003		15412-003	
	COAXIAL 2.5 MILS	14856-004		15412-004	
	COAXIAL 3.0 MILS	14856-005		15412-005	
	HYBRID HC3P1F	14335-001		15396-001	
	HYBRID HC5P2F	14335-002		15396-002	
	HYBRID HC10P2F	14335-003		15396-003	
	COAXIAL CABLE ASSEMBLIES				
	18"	14881-001			
	24"	14881-002			
	36"	14881-003			
	12"	14881-004			
	STRAIGHT PROBES				
	TIP DIAMETER (mils)	TUNGSTEN	PALLADIUM	BE CU	COAXIAL
	Sharp tip	11051-001	11051-011	11051-021	14860-001 1 mil
	0.25	11051-002	11051-012	11051-022	14860-002 1.5 mil
	0.50	11051-003	11051-013	11051-023	14860-003 2 mil
	0.75	11051-004	11051-014	11051-024	14860-004 2.5 mil
	1.00	11051-005	11051-015	11051-025	14860-005 3 mil
	1.25	11051-006	11051-016	11051-026	14860-009 5 mil
	1.50	11051-007	11051-017	11051-027	
	2.00	11051-008	11051-018	11051-028	

FOR ORDERING INFORMATION CONTACT SALES (408) 934-9875