

Characteristics of the Chrome Deposit on the Surface to be Plated

Type of Surface	Surface Shape	Result of Surface Shape	Preparation & Finishing (Possible Solutions)
Flat Surfaces		Surfaces of deposit and base metal parallel	Surface should be as good or better than you would like to end up with
Round Surfaces			
Sharp Corners	External Angle	Excessive plating and possible 'Treeing'. High Current Density Area	Maximum Radius whenever possible Obtain sharp angles by grinding AP Deposition of excess plating
	Internal Angle	Lack of Deposit Low Current Density Area	
Recessed Areas	Deep less than width	No great difficulty if corners are Rounded Plating very difficult & may be impossible	After Grinding : As Plated Lack of Deposit
	Depth greater than width		
Threads		Deposit alters thread Diameter & Angle	Difficulties increase with sharp angles. Remedies include: 1. Plate & Grind 2. Plate & Polish 3. 'Flash' Plating 4. Prepare for Deposit shape before plating
Surface Defects		As Plated	After Grinding Smoothed out Scratch
Boundary of the Deposit	To be Plated 'Stop off' Material	Brittle Overgrowth of Deposit	Allow Deposit to Overlap onto adjacent (Non-critical) Area Unmachined Parts: Remove overgrowth with a hand grinder or by 'Stoning' Machined Parts: Overgrowth removed during Grinding