

# APPLICATION DATA

Name of part Coining punch	Source A. Takahashi (Toyota Motor Corp.)
Mode of servicing Cold forging	Seminar in the Japan Soc. for Technology of Plasticity 31, Oct. ~ 1. Nov., 1979
<div style="text-align: center;"> <p style="margin: 5px 0;">Blank                      Product</p> </div>	Work material Material <u>AISI 1010</u> Size            _____ Hardness      _____ Remark        _____
	TD treated part Carbide <u>VC</u> Base metal <u>D2</u> Harness of substrate _____ Remark        _____
	Working or servicing condition Machine        _____ Load            _____ Stroke           _____ Clearance       _____ Lubrication     _____ Temperature of work _____

Result	Base metal, treatment and hardness of the part to be compared M2, Tuftrided	Result
	Life and other evidences TD part                      50,000 ~ 100,000 shots/life galling The part to be compared    200 shots/life	
	Profit obtained through application of TD Process Improvement in surface finish of products	