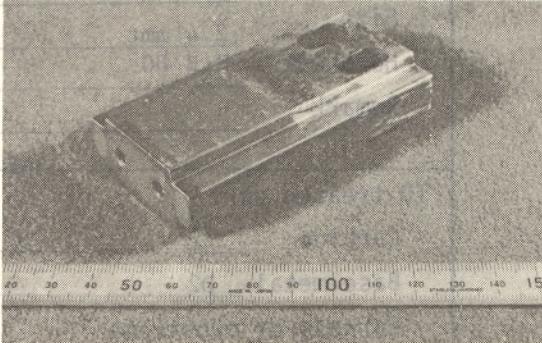


APPLICATION DATA

Name of part Blanking punch	Source O. Kasuya, et al. Mashinisuto Vo.20, No.12 (1976) p.31	Name of part Blanking die
Mode of servicing Steel metal stamping		Mode of servicing Steel metal stamping

Punch



Work material

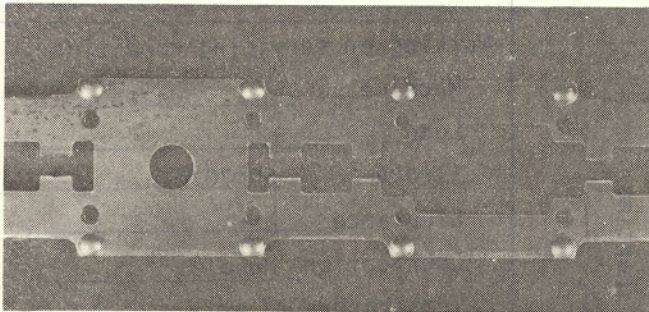
Material	AISI 4135
Size	2.4 mm
Hardness	H _B 70~80
Remark	

TD treated part

Carbide	VC
Base metal	D2
Hardness of substrate	H _R 58
Remark	

Working or servicing condition

Machine	
Load	
Stroke	
Clearance	
Lubrication	
Temperature of work	



Product

Result	Base metal, treatment and hardness of the part to be compared D2 Hardened H _R 61	Result
	Life and other evidences <div> <div>TD part</div> <div>95,000 shots/reg. Wear</div> </div> <div> <div>The part to be compared</div> <div>12,000 shots/reg. Galling</div> </div> <p>Profit obtained through application of TD Process</p>	