

DATA SHEET

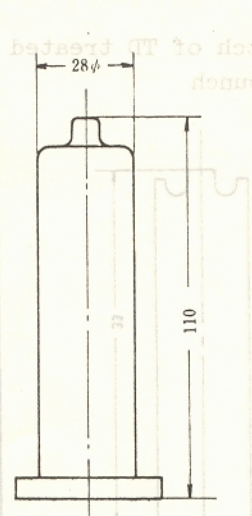
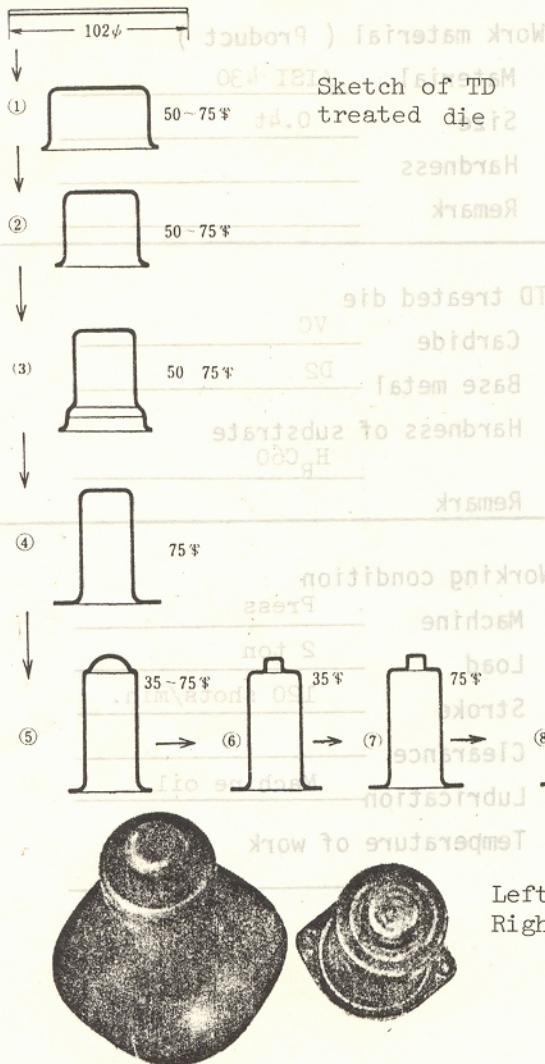
Name of die
Ironing punch (8 stage)

- An Example of profit obtained -

Year, month, day

Mode of working
Stamping

Name of firm
Kyowa Kogyo



Work material (Product)

Material Cold rolled mild steel
Size 2.0mmt
Hardness
Remark

TD treated die ← VC
Carbide D2
Base metal
Hardness of substrate H_RC 58
Remark

Working condition

Machine
Load 150 t
Stroke 25S/min.
Clearance oil
Lubrication
Temperature of work

Result

Base metal, Treatment and hardness of the die to be compared
D2, hardened

Life and other evidences

TD die Still usable even after 3 years.
The die to be compared Die polishing was needed at every 5-10 shots

Profit obtained through application of TD process

1. Increase in die life
2. Reduction of maintenance cost

*TD process is applied on 2, 3, and 4 stage dies with successful results.