

DATA SHEET

Name of die
Drawing die

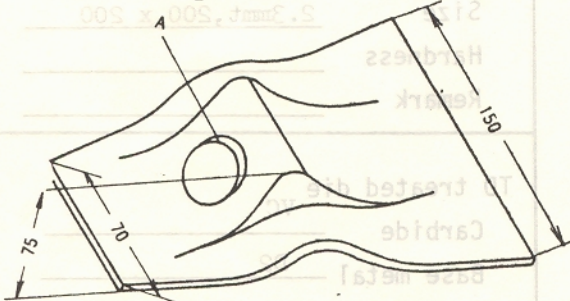
- An Example of profit obtained -

Year, month, day
Dec. 25, 1978

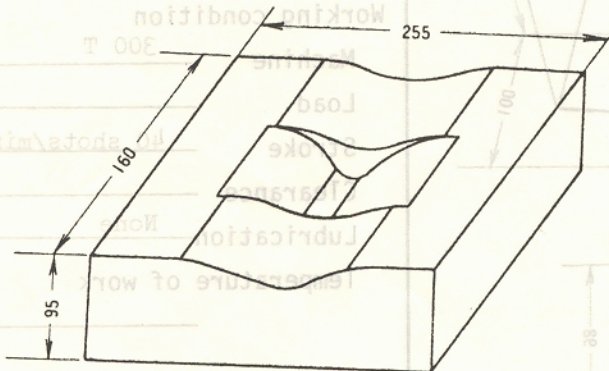
Mode of working
Stamping

Name of firm
Kyoei Kogyo Co.

Sketch of product



Sketch of TD treated
die



Work material (Product)

Material Cold rolled mild steel

Size 1.6mm t 190x150x70

Hardness

Remark

TD treated die

Carbide VC

Base metal D2

Hardness of substrate

H_R C 58

Remark

Working condition

Machine

Load

Stroke 40 shots/min.

Clearance

Lubrication

Temperature of work

Result

Base metal, Treatment and hardness of the die to be compared
01, Hardened

Life and other evidences

TD die Still usable at 100,000 shots, without lubricant.

The die to be compared Repair work was needed at every 1,000 shots because of scoring on A position, even under application of lubricant.

Profit obtained through application of TD process

1. Disuse of Lubricant
2. Decrease in die consumption
3. Decrease in repair work
4. Improvement of product quality
5. Decrease in shut-down time due to 1 and 3.