

## **MODULE 1 – PINSTAMP BASICS**

## **MODULE 2- PINSTAMP PROGRAMING**



# APPLICATIONS

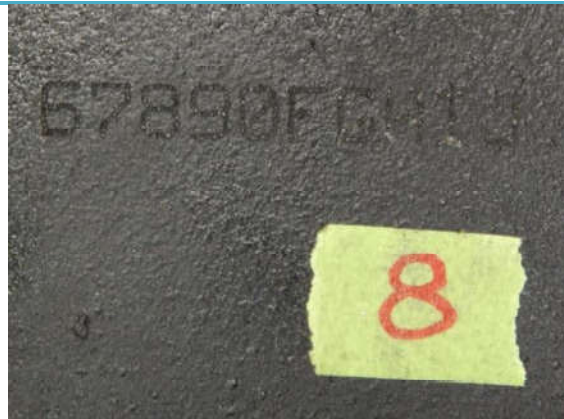
Marker- TMP1700

Material- Cast Aluminum

Cycle Time- 23 Seconds

Application notes

Customer needed a 2D code marked in several locations on part. 1700 with 30 degree pin had a read with Cognex camera of a "B"



Marker- TMP1700

Material- Cast Iron

Cycle Time- 13.3 seconds

Application notes

Marks were made with high density for contrast. 25XLC 45 degree pin was used.

Marker-TMP1700

Material- Steel

Cycle Time- 12 seconds

Application notes

Arc Text. Part was marked with the 150SA 30 degree pin. Customer requested a mark that did not alter the flat surface of the part.



Marker-TMP1700

Material- Ductile Iron

Cycle Time- 3.5 seconds

Application notes

Used 25XLC 45 degree pin

Marker- TMP2100  
Material- Stainless Steel  
Cycle Time- 9.2 seconds  
Application notes

Customer needed a small marker with very high accuracy of marking. Because of the curvature of the part, the code was marked as a rectangle. The mark was very easy to read and scored an "A"



Marker- TMP3200  
Material- Steel  
Cycle Time- 5.5 Sec  
Application notes

Customer was looking for depth of 0.005". Part was marked with the 25XLC 45 degree pin and achieved the depth requirement.



Marker- TMP4500E  
Material- Galv. Steel  
Cycle Time- 19.5 Seconds  
Application notes  
3 lines of text on thin material



Volume: V 250 Liter  
Design Pressure: PS 6.6 Bar  
Design Temperature: TS 85

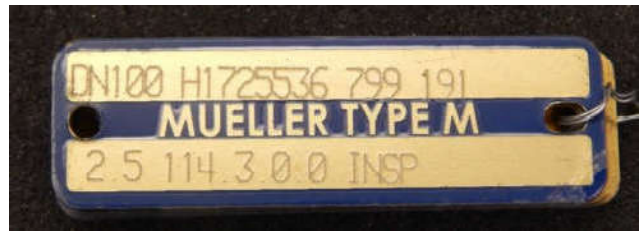
Marker- SC5000  
Material- Stainless Steel  
Cycle Time- 7.6 Seconds  
Application notes  
Diamond tip pin was used to mark blank areas of part.

Marker- SC2000  
Material- Hot stamped steel  
Cycle Time-5.4 seconds  
Application notes  
Mark was done with a diamond tip pin to replace a roll stamp



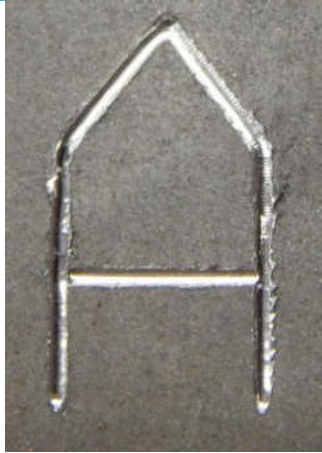
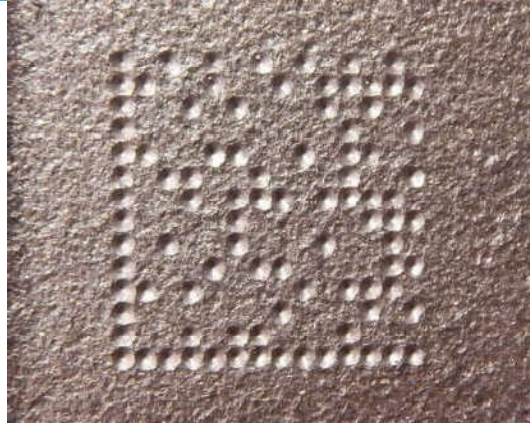
Marker- TMP4750  
Material- Steel  
Cycle Time-45 seconds  
Application notes  
Marked in arc text with high density font

Marker- DPP2000  
Material- Aluminum  
Cycle Time- 38 seconds  
Application notes  
Tag was moved to the part and marked with high density.



Marker-TMP1700  
Material- Mild Steel  
Cycle Time- 14 seconds  
Application notes  
2D mark requested specific size code. Read was an "A"

Marker- TMP7000  
Material- Cast Iron  
Cycle Time-29 seconds  
Application notes  
150 pin was used for depth and contrast of mark.



Marker- SC5000  
Material- Steel  
Cycle Time- 2 seconds  
Application notes  
Mark was done with 2 passes for more depth

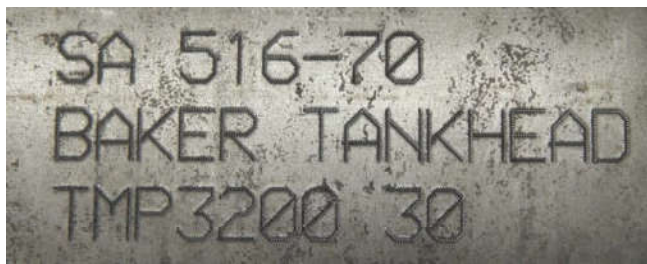


Marker- TMP4750  
Material- Steel  
Cycle Time-  
Application notes  
Comparison of a 45 degree and 30 degree high density mark



Marker-TMP6100  
Material- Steel  
Cycle Time- 39 seconds  
Application notes  
Example of high quality mark with 15SA 45 degree pin

Marker- TMP7000  
Material- 45 RC Hardened Steel  
Cycle Time-  
Application notes  
This part was marked with a single stroke for an index mark on the part. 101 45 degree pin was used.



Marker-TMP3200  
Material-A36 Steel  
Cycle Time-104 Seconds  
Application notes  
Marked using a 150SA 30 Degree pin and continuous mark

Marker-TMP3200  
Material- Corrugated Steel pipe  
Cycle Time- 5.5 Seconds  
Application notes  
Mark was done on raised area of pipe on the curve of the surface.



Marker-BM320  
Material- Aluminum  
Cycle Time- 18 Seconds  
Application notes  
Plates were marked with a 45 Degree pin