

## PLASTIC MARKING WITH SC2000 SCRIBE

September 12, 2017 by Ben Davis, Telesis Technologies, Inc.

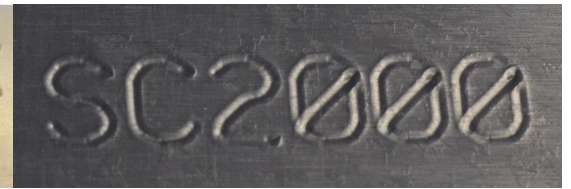
### The Customer Challenge

Many manufacturers consider labels, inkjet marking systems and laser marking systems to achieve contrast. Rarely considered is a permanent mark applied by a scribe marking system. The advantage of both laser and scribe marking is the ability to achieve a permanent mark that is both legible and visually appealing to customers. Labels and ink, while achieving good contrast are not durable or permanent.

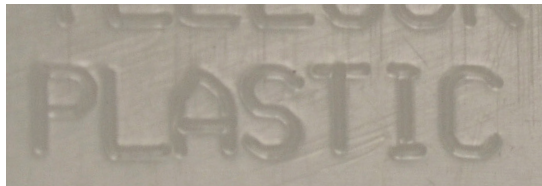
The images below represent a subset of successful plastic marking applications.



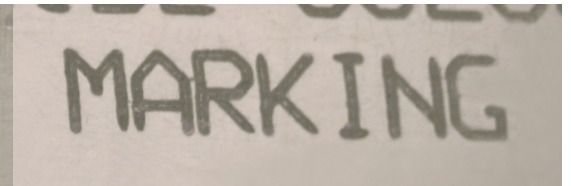
SC2000 scribe mark in ABS Plastic



SC2000 scribe mark on Nylatron Plastic



SC2000 scribe mark on Delrin Plastic



SC2000 scribe mark on Polypropylene Plastic

### The Telesis Solution

The SC2000 coupled with the 30° diamond tipped pin (part number 39885) is an excellent choice for marking most plastics. This marker will produce crisp characters and high quality logos, provided the following items are accounted for; material thickness and rigidity. Low air pressure allows the pin to penetrate without punching through the plastic.



## SUCCESSFUL PLASTIC SCRIBE MARKING (cont.)



### The Telesis Solution - Successful Drill Housing Part Identification

To fit into a tight customer budget, Telesis utilized the SC2000 to place a part identification number into the base of a plastic drill housing.

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*Variable data scribed into a plastic case. Air pressure and speed were set to 50% using a 30° diamond-tipped pin.*

### The Telesis Solution - Logo Marking in PVC Pipe

In addition to crisp text, the SC2000 is able to produce appealing logos. The image below depicts the logo as created by the SC2000 on PVC pipe.



### Optimum Settings

Each of the above applications was achieved via the following settings:

HARDWARE SOLUTION		SETTINGS SOLUTION	
Marking Head	Pin	Air Pressure	Speed
SC2000	30° Diamond Tipped	40 PSI / 2.8 Bars	50%

This is Telesis. This is What We Do.

Telesis has more than 40 years in the product identification industry. Visit [www.telesis.com](http://www.telesis.com) to learn more.