

Labstamp System

An Alternative Method of ID

Joline Bell
Director, Sales and Marketing
SOMARK Innovations



Identification

Needs:

- Weaning
- Genotyping
- Breeders
- Study Cohorts
- Moving from one area to another
- Individual tracking

Considerations:

- Purpose of ID
- Value of animal
- Duration of ID
- Age at time of ID
- Equipment requirements
- Overall cost

Common Identification Methods

Ear Notching

Ear Tags

'Sharpie'

Toe Clipping

Tattoos

Micro Chips

SOMARK Labstamp System

- Consistent
- Easy to read
- Efficiently Applied
- Permanent ID

Labstamp Benefits

- Repeatable
- User-Friendly
- Fast (30 sec)
- Character flexibility
- Minimal animal stress & handling

Labstamp Custom Font

1 I L
0 0
8 8

1 2 3 4 5 6 7 8 9 0 + -
A B C D E F G H I J K L
M N O P Q R S T U V W X
Y Z

Labstamp Tattoo Quality

Tattoo quality factors:

Ability to Control Motion

Tattoo Needle Depth of Penetration

Amount of tissue damage

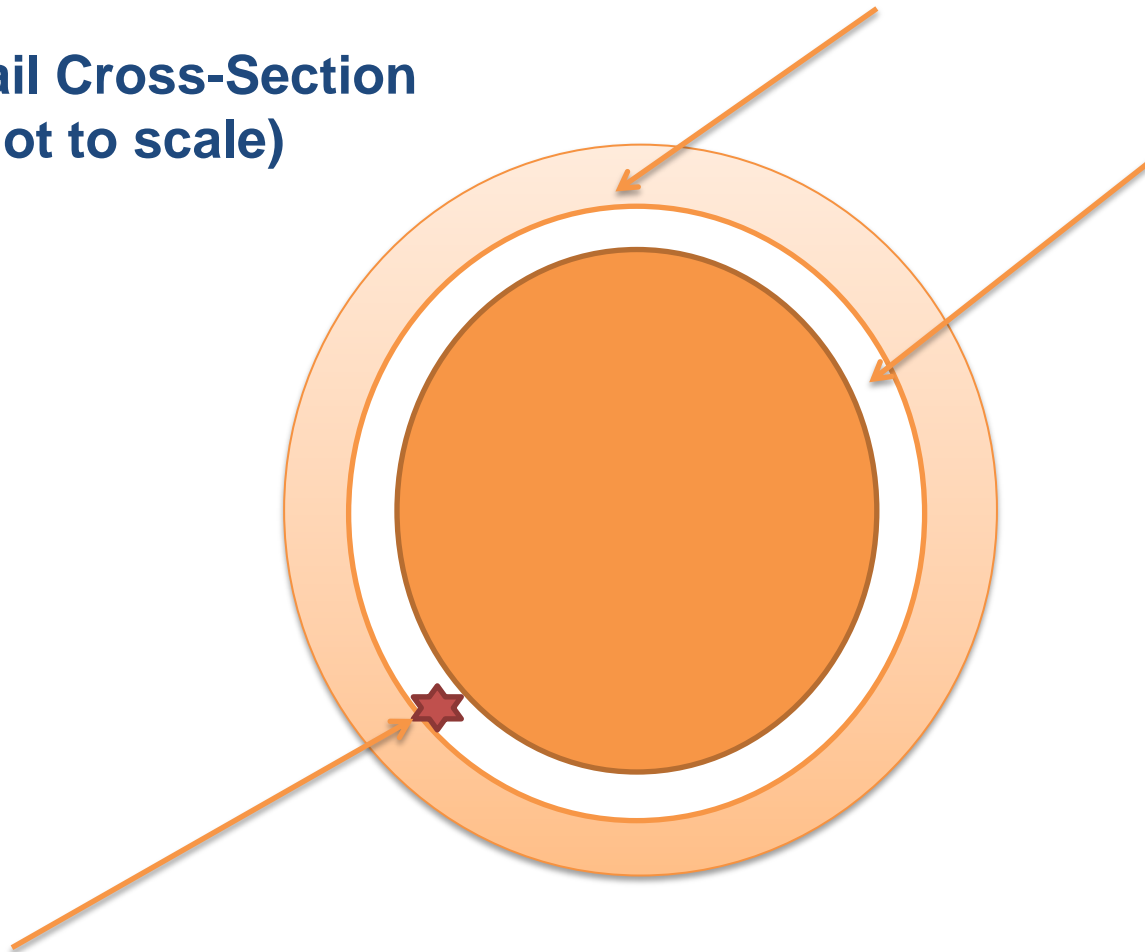
Labstamp Tattoo Quality

- Automated robotic arm within applicator
 - Accurately controls speed, dwell, and frequency of tattoo needle
- Needle depth and motion control by robotic arm coupled with animal restraint
 - Provides uniformity of tattoo application on the varying tail shapes and sizes
- Consistency and control decrease amount of tissue damage to tail

**Tail Cross-Section
(not to scale)**

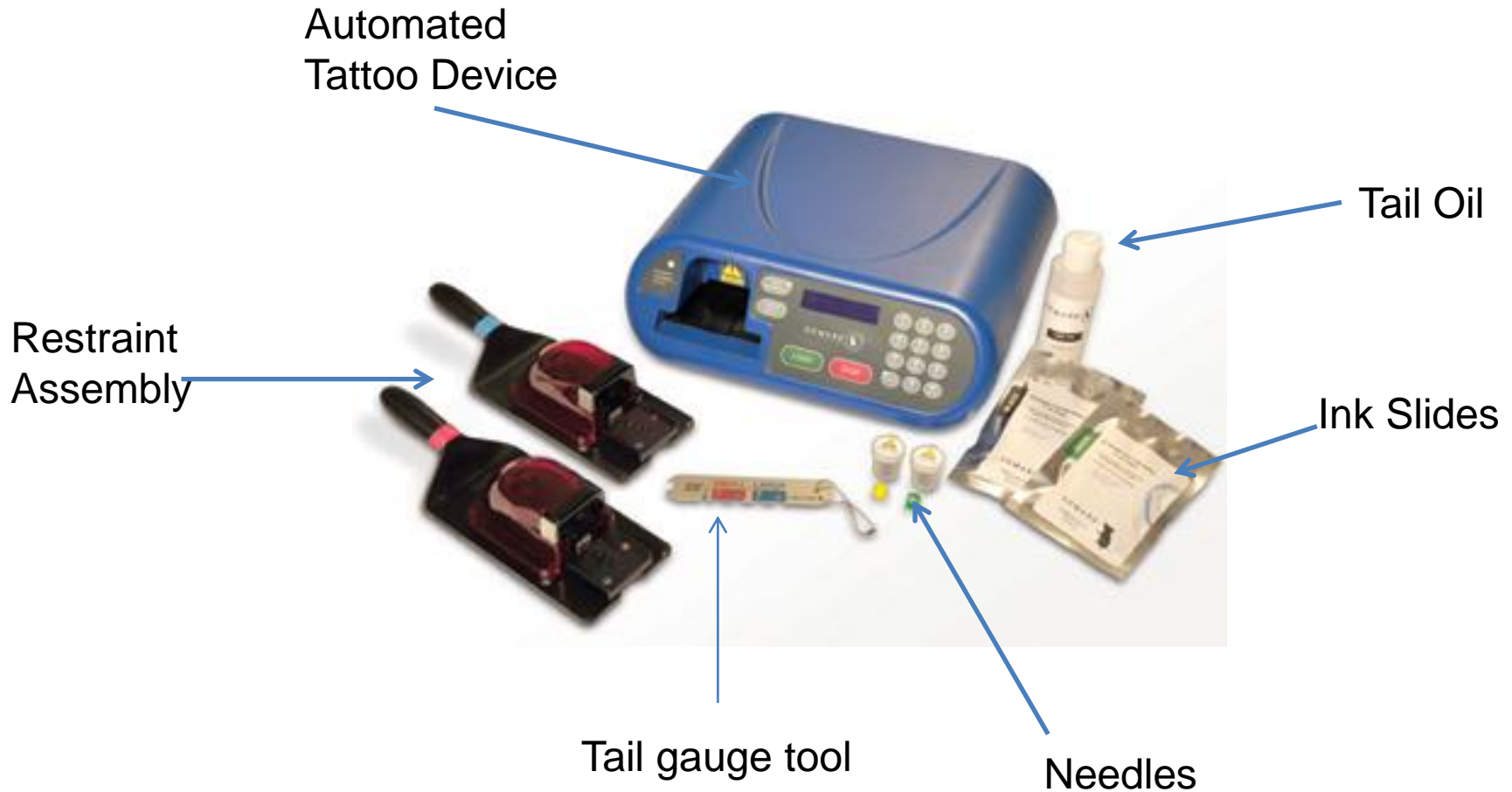
**Epidermal
Layer**

**Dermal
Layer**



Labstamp robotic arm moves accurately and consistently, delivering tattoo ink into the mid-dermal layer at a uniform mean target depth of 0.009" (225 μ m) \pm 0.002" (\pm 50 μ m).

SOMARK Labstamp System automated tail tattoo applicator

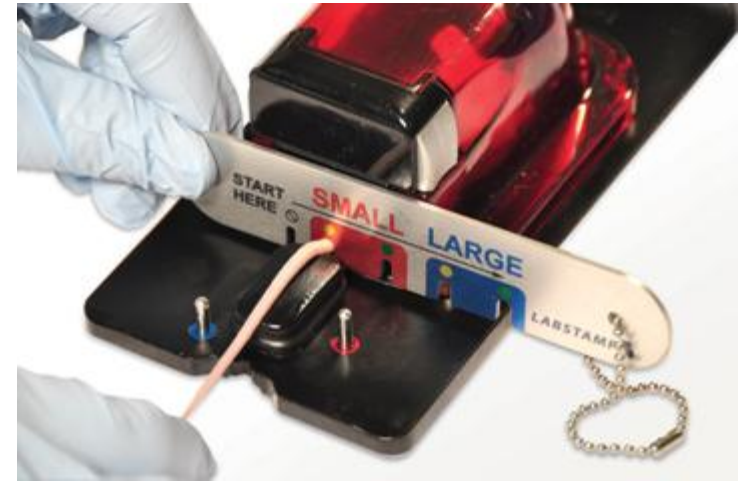




Restrain Mouse

Calibrating to the Mouse Tail

- Always measure from smallest (YELLOW) slot to largest (GREEN) starting with RED section
- Never use force
- Choose correct needle color







Apply Tail Oil

Insert Ink Slide Into Tail Cover







Place Tail Cover Onto Tail



**Insert Restraint
Cartridge Into Machine**



Enter ID



Press
Start

Wipe-off
Excess ink



S O M A R K
L A B S T A M P™



**Watch the Labstamp
video demo at:
www.labstamp.com**

Summary

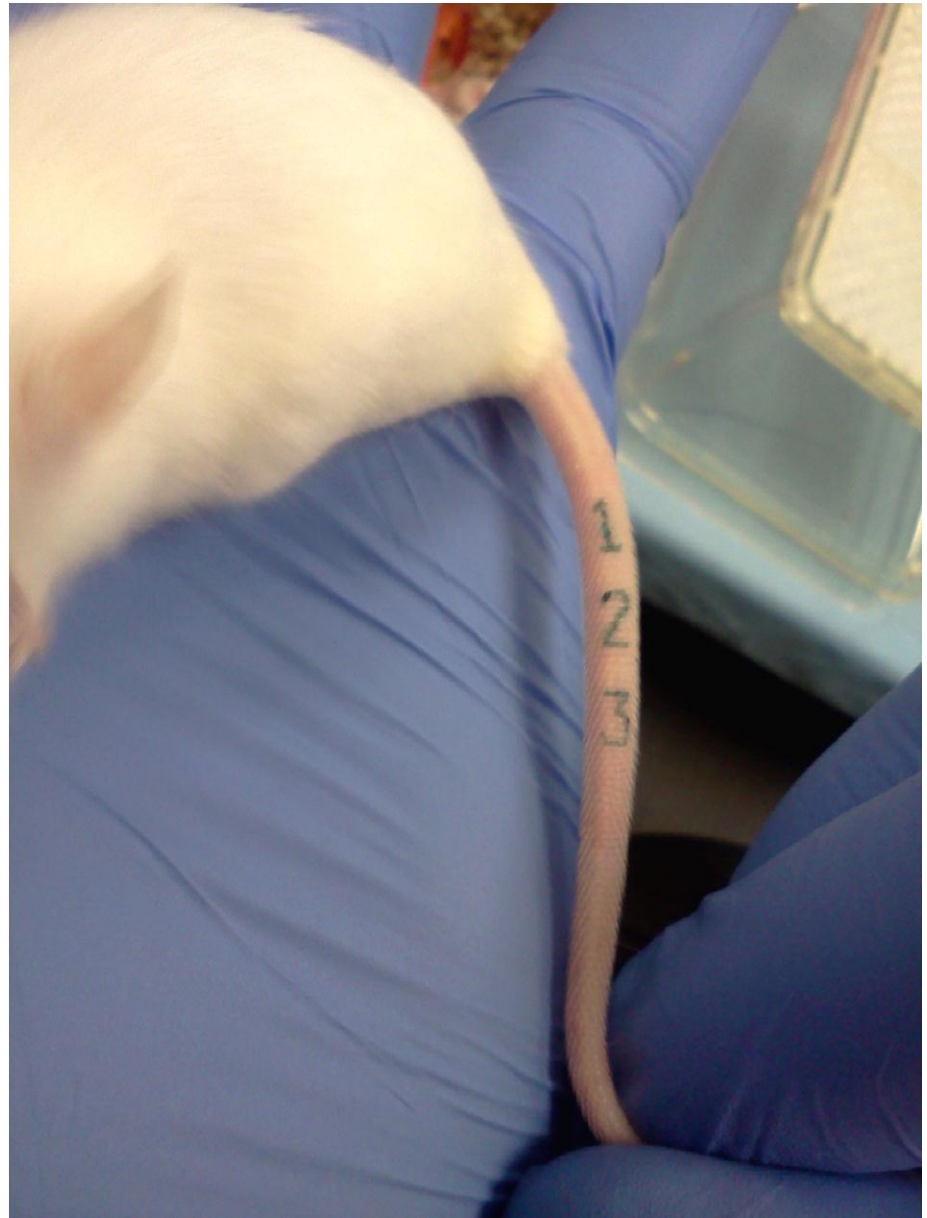
Consistent – Automatic control of characters and application

Readable – Clear Tattoos, Custom Font

Quick – 30 seconds per tattoo

Affordably priced

Questions?



Thank You

SOMARK Innovations

800-430-1243

FAX 619- 684-3190

www.labstamp.com

joline@somarkinnovations.com

978-761-0346