Product innovation has always had a strong foundation here at Biomark. In the 1990s we pioneered the first commercially available custom PIT tag detection systems as well as tagging and data collection tables. During the next decade Biomark has played a major role in designing and developing fabrication techniques to reliably operate PIT tag antennas underwater (a major breakthrough in evaluation and monitoring technique).

We have emerged as a worldwide leader in RFID products for fish and wildlife research and now the aquaculture industry. From innovative, first of their kind, netpen, hatchery and slaughter line RFID tag detection systems, to PIT tag injection systems and production tagging services, Biomark delivers the best in RFID products and services to its customers.

To learn more visit us online at: biomark.com
BIOMARK FDX-B PIT TAGS

- Highest performing RFID tags
- Applications in fisheres, aquaculture, monitoring & wildlife research
- Encapsulated in biocompatible glass
- 100% unique identification
- Available in a variety of sizes, performance levels & packaging options

IMPLANTERS

MK25™ IMPLANT GUN

MK25 & MK65 are only used for preload PIT Tags

MK10™/MK165™ IMPLANTER

N125™/N165™ & N206™ NEEDLES
**READERS**

**HPR PLUS**
- Continuous read mode
- IP67 Waterproof
- Can run/power external antennas
- Integrated Bluetooth & GPS
- 1.6 million tag codes

**HPR LITE**
- Universal reader
- IP67 Waterproof
- 50,000 tag codes
- Bluetooth

**TISSUE SAMPLING UNIT (TSU)**

**FISH FRIENDLY APPLICATOR**
- Take samples without risk of cross contamination
- 2D barcode & alphanumeric label
- Confirm presence of tissue sample
- Vials fit in a laboratory plate of 96

**TSU VIAL**
Tissue Sampling Unit (TSU)

- **SINGLE TSU**
- **TSU TRAY** 96 Vials
- **TSU BOX** 100 Vials
- **TSU BLADE PUNCH** Included with TSU tray

Data Collection Module (DCM)

- **Windows 10, Android 5.1 or Newer**
- **Peripheral Devices**
  - Biomark PIT Tag Readers
  - Scales
  - 2-D Barcode Scanners
  - Label Printers

- **Electronic Measuring Board** (Available in 50cm, 100cm)
AQUACULTURE SOFTWARE

DEVICE MANAGER

• Easily change reader settings
• Sync time & date to computer
• Update firmware
• Enable/Disable Bluetooth
• Export to Excel, Access & Text

FEATURES

• Download tags
• Erase reader memory
• Filter columns
• Export to Excel/Access/Text

BIOMASS/PIT TAG ANTENNAS

We partnered with VAKI to create a one of a kind system for the aquaculture industry.

• Combined knowledge from Biomark and VAKI fish counting & biomass applications
• Collect data through the two systems
• Useful when looking for food and vaccine programs, total biomass of fish is determined by net cages, etc.
• Possibility to follow single individual growth by pairing PIT tag and Biomass data
CUSTOM ANTENNA SYSTEMS

• High quality, functional and reliable PIT Tag antenna systems for slaughter and processing facilities

• Customized antennas and readers built for challenging environments and provide good detection efficiencies when combined with Biomark’s high performance PIT tags

• LED light systems to visually indicate when PIT tagged fish are detected

• “Sort by Code” systems paired with PLCs that allow gates to be activated to divert identified fish to other areas of the facility
TAGGING SERVICES

- Biomark offers tagging services for both small scale and large scale projects
- Biomark biologists can also deliver on-site tagging workshops
- Training focuses on fish tagging and can be customized to meet your organization's specific needs and maintain compliance protocols

Biomark employees have tagged over 10 million fish at locations throughout the world.