**PRINTING AND MARKING**

*TouchMark* is the recognized expert in permanent ink adhesion on difficult to print substrates...

- Pad Printing
- Screen Printing
- Laser Marking

**PRINTING ON MEDICAL GRADE PLASTICS:** TouchMark specializes in working with medical grade plastics. We work with design engineers from the prototype phase all the way through production to create a customized printing process for each device.

- PEBAX
- PTFE
- FEP
- Silicone
- Polystyrene

**360° ROTATIONAL PRINTING:** TouchMark's specialized machinery and equipment ensure precise 360° markings on cylindrical objects.

- Catheters
- Microcatheters
- Medical Tubing
- Syringes
- Guidewires
- Cannulas
- Trocars
- Hypotubes

**ELECTRONIC DEVICES:** TouchMark can print on electronic components of all shapes and sizes. Our specialty processes ensure permanent ink adhesion even in harsh environments.

- Housings
- Wires
- Connectors
- Handle
- Keyboards
- Server Racks

**SURFACE TREATMENT AND INKS**

*TouchMark* engineers work with you to optimize a printing process for your device...

**SURFACE PRETREATMENT:**
TouchMark has developed a unique solution using plasma gases that temporarily increases the surface energy of plastic substrates with low surface energy. This process promotes permanent ink adhesion to difficult-to-print substrates.

- Customized process for low surface energy plastics
- Permanent ink adhesion

**ANALYTICAL TESTING SERVICES:** TouchMark offers a wide range of material characterization and analytical services to assist customers in choosing the best pretreatment and print process for their device.

- FTIR
- Chemical composition
- Mechanical properties
- Surface energy, contact angle, dyne testing
- Electrical conductivity

**QUALITY ASSURANCE:** We are committed to meet or exceed customer quality standards.

- ISO 9001:2008 certified
- Meets FDA standards
- Product traceability
- Whiteroom manufacturing environment

**BIOMIMETIC INKS:** TouchMark has over 20 years of experience in selecting the optimal ink for both medical and electronic applications.

- Class VI medical grade inks
- Radiopaque inks
- Conductive inks