

JetGuide Ltd.

***Interactive bone drilling
monitoring and guiding
system***



Blind Man's Bluff

The Problem

Bone drilling: an inexact and, often, blind art. Surgeons risk damaging nerves, blood vessels, and cartilage

Current Solutions

CT, panoramic and X-ray imaging pre-surgery; inaccurate manual gauges, and expensive real-time options

JetGuide Solution

Affordable intraoperative monitoring with feedback to surgeon

Value Proposition

Surgeons



Intraoperative feedback during implantation surgery builds **confidence** and raises **comfort** levels. More surgeons can perform procedures. **Reduces operation time.**

Healthcare payors



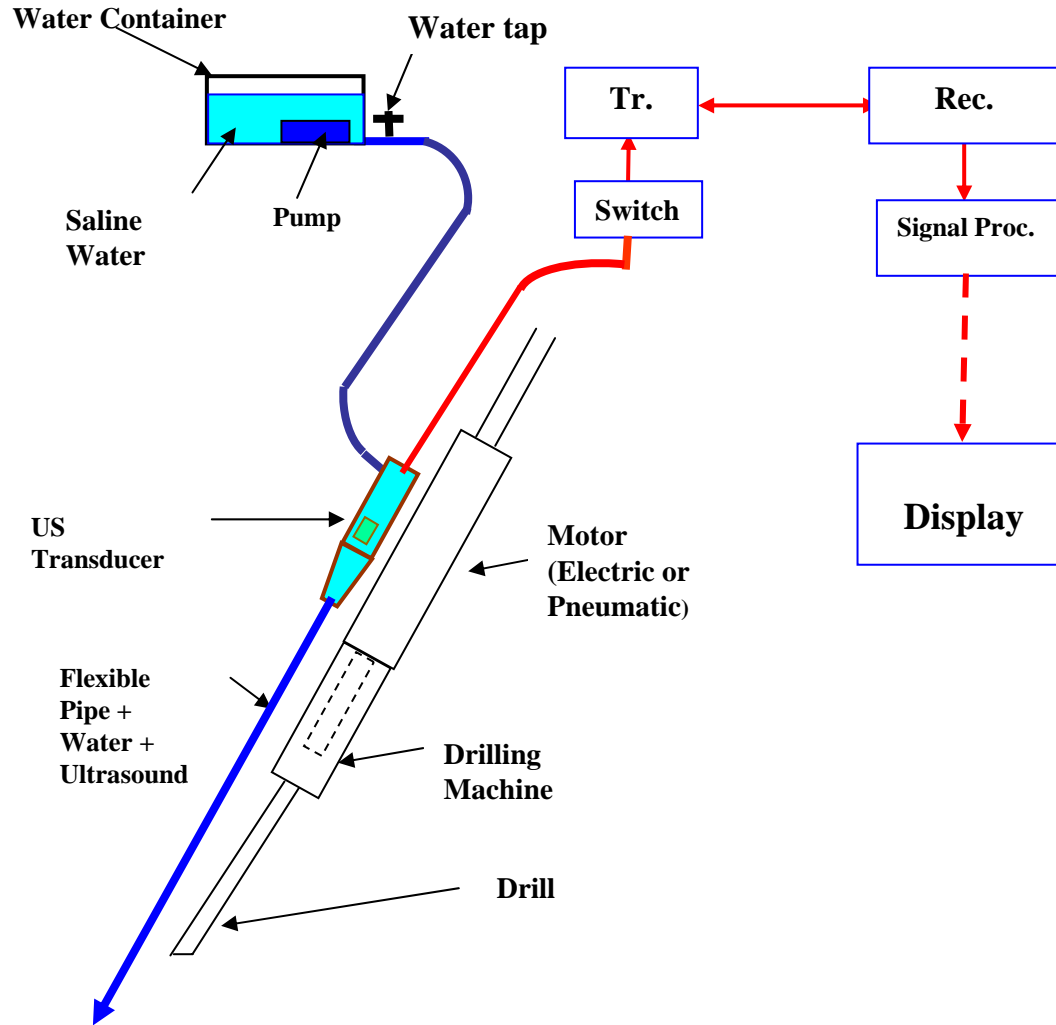
Reduction in **complications** for decreased **costs**

Patients



Improved **outcomes** and faster **procedures**

The complete drilling system for implantation together with the monitoring & guiding system



Platform for Surgical Applications

- ◆ **Orthopedic**
- ◆ **Spinal**
- ◆ **Neurosurgery**
- ◆ **ENT**
- ◆ **Plastic surgery**
- ◆ **Trauma**
- ◆ **Dental implantology**
- ◆ **Others**

Competitive Advantages

- **Accurate**
- **Real-time**
- **Simple to use**
- **Safe**
- **Affordable**
- **Compact**
- **Saves time**
- **Operates with existing tools.**

Market Overview

ORTHOPEDICS

The potential market in 2009 is \$4.5 billion.

Total of \$0.9 billion/year, during the next five years.

SPINAL

The potential market in 2009 is \$2 billion.

Total of \$400 million/year, during the next five years.

DENTAL IMPLANTATION

The potential market in 2009 is \$1.6 billion.

Total of \$320 million/year, during the next five years.

OTHERS [Neuro, ENT, Trauma, Plastic ,...]

The potential market in 2009 is about \$8 billion.

Total of \$1.6 billion/year, during the next five years.

Experiments (performed)

by applying JetGuide monitoring & navigating system

1. Phantom

Models of a ‘nerve canal’ and a bore.

Ex-vivo, fresh bones

2. Hips, shoulders and other bones including jaws of pigs, sheep and cows.

3. Velocity and attenuation measurements

4. Hips of humans

In-vivo (humans), after obtaining IRB

Dental implant surgical procedures in the upper and lower jaws.

Achievements

- IP
 - Patents strategy - patents applied for; continuing applications
- Technology/Science
 - Operating system, algorithms, display, ultrasound cell operational
 - Successful experiments on phantoms and ex-vivo fresh animal bones, for ortho, neuro and dental applications.
 - Safety, EMC and Sterilization approvals for hospital trials.
 - IRB and Ministry of Health approvals for human dental trials
 - Over 40 In-vivo human dental implantation surgeries performed successfully with JetGuide system, at Rambam Medical Center, Haifa, Israel.
 - Established an Advisory Board
- Regulatory
 - FDA pre-ruling received
 - Regulatory strategy, filing in process

Required Investments for Further Tasks

Dental



1st model production

FDA, Expert
evaluation.

\$1 m; 10 months – read-to- market

Ortho



In-vivo exp.; System adaptatio

FDA; Expert evaluation;

\$2.5 m; 2 years– ready-to- market

Neuro



Ex-vivo & In-vivo evaluations;

System adaptation; FDA;

Expert evaluation;

\$3 m; 2 years– ready-to- market

Spine



Ex-vivo & In-vivo evaluations;

System adaptation; FDA;

Expert evaluation;

\$3 m; 3 years– ready- to- market

The background of the image is a soft, blurred sunset or sunrise. A bright sun is positioned in the upper center, casting a warm, golden glow across the sky. The colors transition from a pale yellow near the sun to a deep orange and then to a dark, almost black horizon at the bottom. The overall atmosphere is serene and peaceful.

**Thank You For Your
Kind Attention**