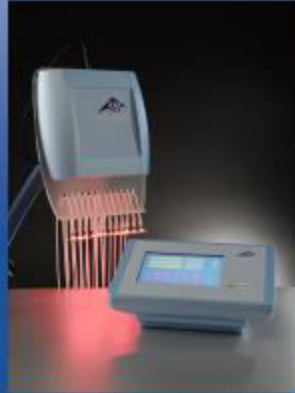


### 3.2 Benefits compared with competitors

- Modern product design
- Compact and light
- Ergonomic form
- More flexible application
- Better communication improves results+yields
- Better, lighter cable and cable guides
- Clean, disposable adhesive applicators
- 12 laser diodes



3B Scientific

### 3.2 Benefits compared with competitors

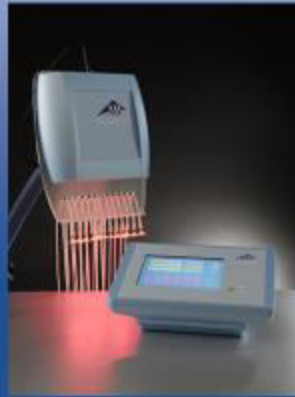
- Can be used anywhere  
(table and wall mounts included!)
- Only one package
- Elegant case (sales team!)
- Simple structure – easy & quick to install
- Fast service
- Reliable manufacturer
- FDA APPROVED



3B Scientific

### 3.2 Benefits compared with competitors

- Excellent value for money !!



3B Scientific

### Marketing Material

- Patient Flyer
- Information brochures
- Posters
- Information about latest studies
- On-hand workshops
- Seminars



3B Scientific

#### 4. Components of the 3B LASER NEEDLE



3B Scientific

1004916

3B LASER NEEDLE

12 x 50 mW

660 nm (red laser light), including:

- Laser unit with 12 interchangeable light guides and radio interface
- Control touch pad with radio interface and 5 NiMH batteries with in-built electronic charging system
- Swivel bracket with table
- Mini cap patient goggles
- Safety goggles for therapist
- 100 single-use applicators

*Other individual 3B LASER NEEDLE devices with other outputs and wavelengths on request*

#### 4. Components of the 3B LASER NEEDLE



3B Scientific

1008814

3B LASER NEEDLE INFRARED

10 x 50 mW 785 nm (infrared laser light),

2 x 50 mW 650 nm (red laser light), including:

- Laser unit with 12 interchangeable light guides and radio interface
- Control touch pad with radio interface and 5 NiMH batteries with in-built electronic charging system
- Swivel bracket with table
- Mini cap patient goggles
- Safety goggles for therapist
- 100 single-use applicators
- Instructions (German; English; French; Spanish; Italian; Portuguese)

*Other individual 3B LASER NEEDLE devices with other outputs and wavelengths on request*

## 4.2 Accessories and consumables

- 1004905 3B Dermatology spot
- 1017796 Professional medical Card
- 1009656 Plexiglas side table
- 1009657 Wall mount for 3B Laser Needle
- 1009658 Table mount for 3B Laser Needle
- 1008813 Optical Fibre with SMA thread



3B Scientific

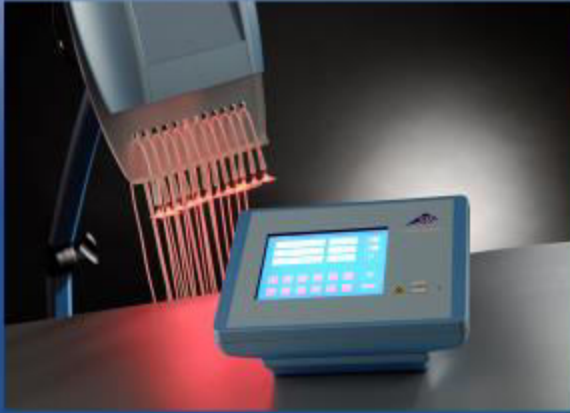
## 4.2 Accessories and consumables

- 1004910 Single-use applicators white (pack of 100)
- 1008815 Therapist's safety glasses (red laser light)
- 1004912 Eyeball protection for all laser lights
- 1013292 Optical Fibre (infrared) with SMA thread
- 1004887 Therapist's safety glasses (infrared laser light)



3B Scientific

## 3B LASER NEEDLE The new dimension



3B Scientific

### Summary

1. Principles of 3B LASER NEEDLE
  - 1.1) General Information
  - 1.2) LASER THERAPY
  - 1.3) LASER ACUPUNCTURE
2. Applications/Indications
3. 3B LASER NEEDLE – The new dimension
  - 3.1. Structure and product details
  - 3.2. Benefits compared with competitors
4. Components and accessories



3B Scientific

## 1. Principles of 3B LASER NEEDLE

### 1.1 GENERAL INFORMATION

- LASER NEEDLE therapy is a low level laser therapy (LLLT) (<500mW power)
- Class IIa Medical Product (both red & infrared) RL 93/42 EWG
- Class 3R Laser Product EN-60825-1:2008
- FDA 510(k) approved
- Made in Germany



3B Scientific

## 1. Principles of 3B LASER NEEDLE

- Laser light is passed through fibre optic cables (FOC) into fine needles
- These laser needles are affixed to the point to be treated using adhesive applicators



3B Scientific



## 1. Principles of 3B LASER NEEDLE



3B Scientific

### 1.2 LASER THERAPY

- The LASER THERAPY is a new, independent method with unforeseeable future potential!
- Also known as:
  - Photo Biomedicine
  - Photo-based therapy
  - Photobiomodulation
  - Laser Photo-Therapy
  - Cold-Light-Therapy
- Leading Edge medicine with great application potential
- No "alternative" method, but a new, advanced method of the foremost medical research

## 1. Principles of 3B LASER NEEDLE



3B Scientific

### 1.2 LASER THERAPY

- High-tech medicine, not only for the heavily specialized practice
- Affordable high-tech medicine for every doctor / physiotherapist
- High-tech medicine with the greatest range of applications
- Suitable from the orthopedic / physiotherapy to the ophthalmologist, dermatologist, rehabilitation physicians.
- 12 points or surfaces can be treated with lasers at the same time (i.e. knee joints, shoulder, neck, back)
- competition: up to 10 points only.

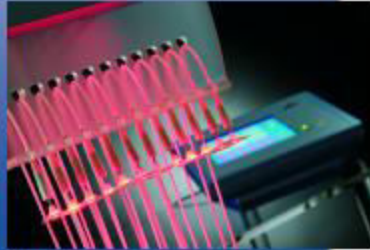
## 1. Principles of Laser Needle Therapy



3B Scientific

### 1.3 LASER ACUPUNCTURE

- The laser needle method is the equivalent of traditional Chinese medicine (TCM).
- It provides stimulation effects that are equivalent to those of acupuncture.
- like the acupuncture up to 12 different points can be treated simultaneously.
- At the same time, complex healing processes are directly stimulated (direct cellular effect) in the cell tissue.



## 2. Applications/Indications



3B Scientific

- Tissue generation
- Including regeneration of bone and cartilage
- stimulation of wound healing processes
  - ATP↑
  - protein synthesis↑
  - activation of fibroblasts
  - Chondrocytes
  - Osteocytes granulation↑
  - epithelialisation↑
  - peripheral nerve generation↑





## What can laser needle therapy do?

- Analgesic effect on trigger and acupuncture points for pain treatment
  - beta endorphin release↑
  - ATP
  - pain indicators ↓
  - activity of trigger and tender points ↓
  - activation of acupuncture points ↑
- Increase in peripheral and capillary blood flow
  - lymph drainage ↑
  - micro-circulation↑
  - haematoma resorption↑
  - hyaluronidase activity



3B Scientific

## 2. Applications/Indications

- Reduction of Inflammation and oedema
  - phagocytosis↑
  - leukocyte mobilisation↑
  - vascular dilation↑
  - lymphatic flow↑
- Orthopaedics/traumatology
  - tendopathies
  - muscular tension
  - muscle fibre and ligament ruptures
  - cartilage lesions
  - chondropathies
  - arthroses
  - osteosynthesis problems
  - post-traumatic and postoperative pain
  - post-traumatic swelling



3B Scientific

## 2. Applications/Indications

- Sports medicine
  - tendinosis
  - muscle fibre and ligament ruptures
  - cartilage lesions
  - muscular tension
- Dermatology
  - Decubitus
  - Burns
  - diabetic foot
  - Warts, herpes
  - atopic dermatitis
  - liver spots
- General medicine
  - allergic rhinitis
  - Arthroses
  - rheumatic diseases
  - pain therapy



3B Scientific

## 2. Applications/Indications

- Neurology
  - Facial neuralgia
  - Bell's palsy
- Paediatrics
  - Allergic rhinitis
  - Headache
  - Bronchitis
  - Asthma
  - Enuresis
- Veterinary medicine (restricted use)
- Acupuncture



3B Scientific

## 2. Applications/Indications

- 3B LASER NEEDLE replaces/complements treatment with the LASER PEN and the LASER SHOWER (with the optional available 3B DERMASPOT 1004905) , since it has 12 *flexible* fibre optic cables



3B Scientific

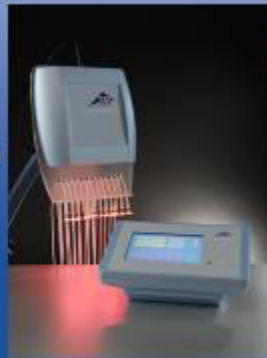
## 3. 3B LASER NEEDLE – The new dimension

### 3.1. Structure and product details

The 3B LASER NEEDLE comprises:

1. Laser unit (with 12 diodes)
2. Control touch pad with docking station

The units are connected via a radio interface (WIFI).



3B Scientific

### Removable control touch pad



3B Scientific

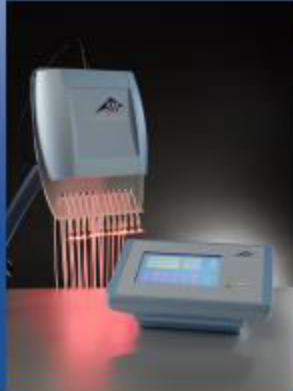
### Improved patient communication



3B Scientific

### 3.1. Structure and product details

- 12 x 50 mW (adjustable in stages of 1mW)
- 660 nm & 785 nm, other wavelengths on request
- Laser class 3R
- Class IIa according to DIRECTIVE 93/42 EEC
- CE 0366
- FDA APPROVED



3B Scientific

### 3.1. Structure and product details

- Choice of frequency between 1- 10,000 Hz
- 8 Nogier frequencies (A-G, L)
- 7 Bahr frequencies (1-7)
- 12 Reininger frequencies
- 8 Chakra frequencies
- Alpha/Multi frequencies
- Storage memory for 200 different treatments/patients

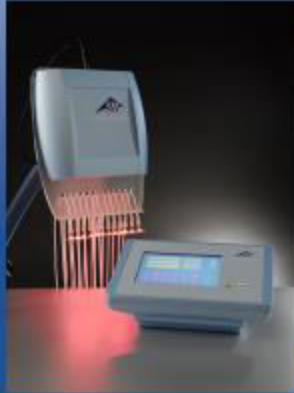


3B Scientific



### 3.2 Benefits compared with competitors

- Modern product design
- Compact and light
- Ergonomic form
- More flexible application
- Better communication improves results+yields
- Better, lighter cable and cable guides
- Clean, disposable adhesive applicators
- 12 laser diodes



3B Scientific

### 3.2 Benefits compared with competitors

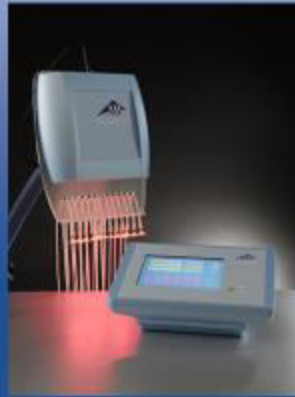
- Can be used anywhere  
(table and wall mounts included!)
- Only one package
- Elegant case (sales team!)
- Simple structure – easy & quick to install
- Fast service
- Reliable manufacturer
- FDA APPROVED



3B Scientific

### 3.2 Benefits compared with competitors

- Excellent value for money !!



3B Scientific

### Marketing Material

- Patient Flyer
- Information brochures
- Posters
- Information about latest studies
- On-hand workshops
- Seminars



3B Scientific

#### 4. Components of the 3B LASER NEEDLE



3B Scientific

1004916

3B LASER NEEDLE

12 x 50 mW

660 nm (red laser light), including:

- Laser unit with 12 interchangeable light guides and radio interface
- Control touch pad with radio interface and 5 NiMH batteries with in-built electronic charging system
- Swivel bracket with table
- Mini cap patient goggles
- Safety goggles for therapist
- 100 single-use applicators

*Other individual 3B LASER NEEDLE devices with other outputs and wavelengths on request*

#### 4. Components of the 3B LASER NEEDLE



3B Scientific

1008814

3B LASER NEEDLE INFRARED

10 x 50 mW 785 nm (infrared laser light),

2 x 50 mW 650 nm (red laser light), including:

- Laser unit with 12 interchangeable light guides and radio interface
- Control touch pad with radio interface and 5 NiMH batteries with in-built electronic charging system
- Swivel bracket with table
- Mini cap patient goggles
- Safety goggles for therapist
- 100 single-use applicators
- Instructions (German; English; French; Spanish; Italian; Portuguese)

*Other individual 3B LASER NEEDLE devices with other outputs and wavelengths on request*

## 4.2 Accessories and consumables

- 1004905 3B Dermatology spot
- 1017796 Professional medical Card
- 1009656 Plexiglas side table
- 1009657 Wall mount for 3B Laser Needle
- 1009658 Table mount for 3B Laser Needle
- 1008813 Optical Fibre with SMA thread



3B Scientific

## 4.2 Accessories and consumables

- 1004910 Single-use applicators white (pack of 100)
- 1008815 Therapist's safety glasses (red laser light)
- 1004912 Eyeball protection for all laser lights
- 1013292 Optical Fibre (infrared) with SMA thread
- 1004887 Therapist's safety glasses (infrared laser light)



3B Scientific