

Johari Digital Healthcare is the pioneer manufacturer of electronic medical devices for healthcare and wellness in India. Leverage on our 30 Years of Manufacturing Excellence & impeccable conformance record to internationally recognized standards.



India - Class 100,000 Clean Room | SAP integrated Manufacturing Facility

Europe - Technology and Industrial design

**USA** - OEM, Private Labeling and Contract-Manufacturing Operations

Innovative approach, cutting edge electro-medicine technologies state of the art products





## US FDA Cleared Technologies for Pain Relief

Combotherapy (Electrical stimulation Cum Ultrasound)

Interferential, Ultrasound, Nerve Stimulation

Therapeutic Laser

### Indication for use

Electrical stimulation (Interferential and Nerve Stimulation) is indicated to be used for Symptomatic relief and management of chronic intractable pain and/or as an adjunctive treatment in the management of post-traumatic and post-surgical acute pain. Ultrasound is indicated for the Pain Relief, Reduction of muscle spasm, Localized increase of blood flow, Increase range of motion of contracted joints using heat and stretched techniques.

Most of the devices are designed for use in multi speciality hospitals, pain clinics, orthopaedic and sports clinics for treating all types of pain including cancer pain, musculoskeletal, spinal, neuropathic pain disorders and post surgical pain

# Medtech



## REDUCE THE SEVERITY OF PAIN AND IMPROVE PATIENT'S QUALITY OF LIFE

State of the art, non surgical, non invasive electromedicine device harnesses the electrochemical basis of biological processes (tradition medical treatment). Electro medicine offers a wide range of applications which are safe and effective in pain arena giving no side effects. It compliments treatment procedures of pain clinics with a holistic approach to enhance fast recovery, mobility and achieve optimal health.

## Combotherapy - Winstim WS4U



WinStim is four channel electro-therapy and ultrasound combination device which can provide 4 pole and 2 pole interferential treatment as well as a wide range of other electrical stimulation waveforms. Therapeutic voltage and current waveforms may be applied to a wide range of conditions with successful outcomes. These include acute, subacute traumatic, inflammatory conditions, chronic rheumatoid and arthritic conditions for pain relief.



A comprehensive reference library providing information on therapy, treatments and electrode placement

Full-colour, 8" LCD touch screen displays in sharp, vivid detail

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Treat and monitor multiple patients at the same time

SD Curve for interdependence between stimulus strength and the time required in activating the muscles

Treatment Start / Stop and pause switch in the Ultrasound Applicator

Battery power makes it more mobile treatment anywhere anytime

Different treatment parameters can be saved for different patients



## Customize Winstim

Winstim Can be customized as per clinician's choice The unique technology and design offers software and hardware configuration : Output Channels - Two/Four Modalities - CES, Electrotherapy Ultrasound, Others - Vacuum Electrode and Battery options

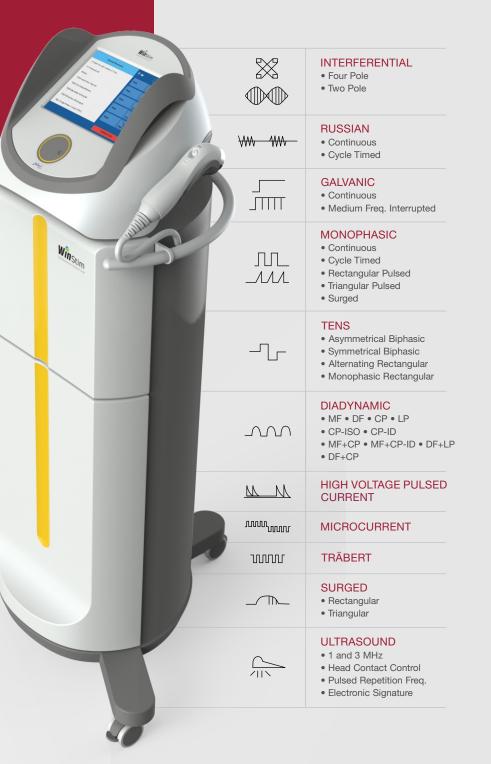
50+ preset treatment protocols library and electrode placement reference guide

### **Technical Specifications**

Four
2,000 - 10,000 Hz
0 - 400 Hz
0 - 100 mA
20 - 1000 µS
1 - 60 Minutes

#### ULTRASOUND

Frequency	1 MHz & 3 MHz
Pulse Frequency	100 Hz
Intensity Pulsed	0 to 2.5 W/cm <sup>2</sup>
Intensity Continuous	0 to 3 W/cm <sup>2</sup>



## Laser Therapy - Winlase

A revolution in therapeutic laser technology solution for Orthopaedic Physiotherapy

Winlase





Cluster Emitter	Single Laser Emitter
Red LED 670nm / 10mW	Power 850nm / 200mW
Laser 850nm / 100mW	0.07cm <sup>2</sup> contact area
8cm <sup>2</sup> Contact Area	Optical power 200mW
Density 67.5mW/cm <sup>2</sup>	Density 2.86W/cm <sup>2</sup>

### Features

- Auto detection of attached applicator
- Auto-adjustment of parameters based on attached applicator
- Up to 10 user defined modes
- Emission modes: Continues; Pulsed and Sweep;
- Modes: Manual mode; Protocols (predefined modes); User Define Modes
- Application upgrade in the field through the service mode
- Inbuilt Battery backup

Precise and Deeper penetration and superior clinical outcome

### Safe & Effective Laser Therapy

The Winlase Laser technology is based on the proven principle of High Intensity laser therapy. Winlase Laser device is portable, touch screen operated and equipped with therapy protocols for easy and effective operation. The Winlase Laser brings you the most up-to-date treatment methods with a large screen based user friendly interface and selection of useful clinical indications, a logical control system that simplifies treatment choices, and two different applicators.

## Hands Free Ultrasound - Pulsound

Unattended Ultrasound therapy treatment, Maximizing clinic efficiency while ensuring patients outcome

Pulsound, the hands free stationery use ultrasound in the combination of two channel Interferential and Premodulated current for muscle stim. The Device is combined with IR Light Therapy Probe. Device is ergonomically designed compact and interactive for comfortable hands free ultrasound therapy. Remarkable results make this unit a Must in any physiotherapy Clinic !

### Features

- Two Hands Free Independent Ultrasound Therapy
- 1 & 3 MHz One dual frequency ultrasound.
- Two channels for Electrotherapy
- One Chnnel for IR Light Therapy output
- Handsfree Arms for Ultrasound Applicator
- Combo IFC and Premod, TENS
- Patient Safety Emergency Stop Switch

### Hands free stationery use ultrasound





### **Technical Specifications**

Ultrasound HF	2 Output
Ultrasound	1 Output
Electrotherapy	Two Output
IR Light	One Output
Waveform	Sine Wave, Symm Biphasic
	DC Monophasic
Mode	Interferntial & TENS
Interferential	
Mode	Quadripolar with vector
	Premod
	Russian
Frequency	4000 Hz
TENS	
Mode	Continous
	Burst
	Modulation
Frequency	150 Hz
Ultrasound	
Frequency	1 and 3 MHz
Pulse Rate	1 Hz - 150 Hz
Pulse Width	100 μS - 400 μS
Output Voltage	0 - 70 Vpp @ 500
Treatment Time	Selectable Treatment Timer
Power	110 - 220 VAC

# US FDA Cleared Technologies for Stress Relief

Maximize Performance, Enhance Wellness Stress to Relaxation in Minutes

### **Cranial Electrical Stimulation - CES**

Introducing CES e-yoga therapy breakthrough neuroscience technology to reduce stress treat anxiety, depression, insomnia and balancing and maintaining the health ces technology is safe, with no serious adverse events reported in over 30 years of clinical use.

### Indication for use

Cranial electrical stimulation CES therapy is indicated for the treatment of Insomnia, Depresseion and Anxiety

Safe and proven neuroscience technology, a non pharmacologic approach using gentle electrical impulses applied transcranially for the prevention and treatment of

Depression Anxiety and Insomnia



## CES TECHNOLOGY \_



Private Labeled For World's Largest Brands



### FDA Cleared Cranial Electrical Stimulator

The CES device organically entrains brain waves to a frequency that promotes relaxation and calmness. This naturally creates homeostasis, neuromuscular release, and relaxation.Beta brain waves (13 -30 cycles per second) are associated with day-to- day wakefulness –primarily cognitive, sensory, and motor activities. High beta brain waves (23-40 cycles per second) are associated with fear and anxiety.

CES brings the patient's brain waves from beta or high Beta to the alpha and theta ranges (4-12 cycles per second). Alpha brain waves are considered the first stage of sleep and are typically associated with relaxation and peacefulness during deep meditation and bio feedback. Alpha brain waves are characterized by slower frequencies, higher amplitudes, and are more synchronous than beta brain waves. A person with brain waves in the alpha range is physically unable to be anxious.

## US FDA Cleared Technologies for Physical Medicine

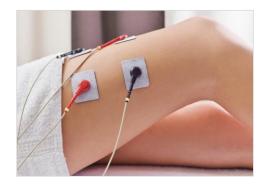
Electrical Muscle Stimulation EMS Russian Stimulation and Galvanic

State of the art electrotherapies are indicated for

- FDA has cleared electrical muscle stimulator for prescription use in treating medical conditions.
- Relaxation of Muscle spasm.
- Prevention or Retardation of disuse atrophy.
- Increasing local blood circulation.
- Muscle re-education.
- Immediate post-surgical stimulation of calf muscles to prevent venous thrombosis.
- Maintaining or increasing range of motion.
- Prevention of muscle atrophy, and for treating other medical conditions which usually result from a stroke, a serious injury, or major surgery.

Johari Digital offers Non-invasive Pain Management Technologies to compliment treatment procedures of pain clinics with a holistic approach to enhance fast recovery, mobility and achieve optimal health.

Technology Enabled devices to carry out the treatment in various application like Musculoskeletal, Neurology, Cardiovascular and Pulmonary, Pediatric and others(sports, palliative care and women's health) at Physiotherapy Clinic, Home Visit and Personal Care



### ELECTRICAL STIMULATION

Interferential, Russian, TENS, Premod, High Volt, Short Pulse, Galvanic, Surged, SD Curve, Ultrasound and Combination therapy. Two and four pole therapy in clinical as well as portable devices.



### SHORTWAVE / RF

State-of-the-art device for high frequency heat therapy. Selectable output power of 500 /1000 watts. Automatic resonance tuning, inductive and capacitive electrodes options available.



### ULTRASOUND

1 & 3 MHz ultrasound treatment through a unique ultrasound hand applicator with intensity control and head contact control.



### DIGITAL TRACTION

A modern Electro mechanical device for post operative therapy.



### **Technical Specifications**

#### ANALGESIC PULSER - AP439

Outputs	Two (4 Channels)
Waveform	Sine Wave, Symm Biphasic,
	DC, Monophasic
Interfential	Quadri Polar with Vector,
	Premod, Russian
TENS	Continuous, Burst & Modulation
Galvanic	DC and Interrupt DC
Carrier Freq.	4000 Hz (Interferential),
	2500 Hz (Russian)
Pulse Rate	1 Hz - 250 Hz
Pulse Width	50 μS - 400 μS
Output Voltage	0 - 70 Vpp @ 500
Treatment Time	5 - 60 Min

#### ULTRASOUND - JUS-2

Output	One
Waveform	Ultrasound
Modes	Pulsed & Continuous
Frequency	1 & 3 MHZ
% Duty Cycle	10%, 20% and 50%
Max. Intensity	3 watt/cm2
Treatment Time	0 - 60 Minutes
Power	90 - 220 V AC

## Essential Physical Therapy Solution....

Professional reliable electrotherapy and ultrasound and shortwave devices to integrate as an important part of rehabilitation treatment. Full range of low and medium frequency currents.



1 and 3 Mhz Ultrasound - JUS 2

## Meet the needs of rehabilitation clients efficiently

### Solid State Shortwave Diathermy (RF Generator) SSD SS 500 / 1000



- High efficiency microprocessor controlled solid state amplifier.
- Fully adjustable pulse rate and pulse width
- Selectable continuous and pulsed power modes
- 300/400 Watt in continuous mode
- 500/1000 Watt in pulsed mode
- Automatic Resonance Tuning System
- Automatic monitoring of distributed energy transfer to applicators
- 7" LCD Color Screen Easy-to-use controls and readouts
- Auto Protection Safety and effective circuitry
- Application upgrade in the field through the service mode



### **Technical Specifications**

Output	One (2 Ports)
Waveform	Sine Wave
Modes	Continuous & Pulsed
Frequency	27.12 MHZ
Wavelength	11 Meters
Pulse Rate	26Hz, 35Hz, 46Hz, 62Hz,
	82Hz, 110Hz, 150Hz, 200Hz
	300Hz, 400Hz, 600Hz, 800H
Pulse Width	65usec, 82usec, 110usec,
	150usec, 200usec, 300usec,
	400usec;
Tuning	Auto Tuning
Control	Two buttons & rotating knob
Display	7" Color LCD with GUI
Treatment Timer	1 - 30min / default value
	15 min / step 5min
Output Power SWD S	S 500
Pulsed Mode	500 Watt
Continuous Mode	300 Watt
Output Power SWD S	S 1000
Pulsed Mode	1000 Watt
Continuous Mode	400 Watt
Mains Power	110 / 220 VAC
Consumption	600 VA





## $\underline{\text{Stim}^3}$ + $\underline{\text{JUS 1}}$

US FDA Cleared unique combination of Russian Stimulation (muscle strengthening), True sinewave IFT (5000Hz) and portable ultrasound for pain relief, designed in sporty backpack its easy to treat painful muscle conditions anywhere anytime.

## Carry-On-Physio

Ridiculously easy solution to carry your clinic along ...

# treat your patients anywhere... anytime !

For Quick Functional Recovery and Mobility

#### Technical Specification : Stim3

Carrier Frequency		
Interferential	5000 Hz	
EMS / TENS	1 - 150 Hz	
Russian	2500 Hz	
Modes	IFT, TENS, EMS	
IFT	Low, High, Wide & Fixed)	
TENS	Conv., Burst & Modulation	
EMS	Conv. & Russian	
Grade	Medical Grade	
Power	Batteries / Adapter	
Outputs	2	
Channels	4 Independent	
Electrodes	8 Nos	
Waveform	Sine Wave & Symm Biphasic	
Timer	1 - 60 Minutes	

### Technical Specification : JUS- 1

Outputs	One
Waveform	Ultrasound
Mode	2 (Pulsed & Continuous)
Frequency	1 MHz
% Duty Cycle	10%, 20% and 50%
Max. Intensity	3 Watt/cm <sup>2</sup>
	(in step of 0.1 watt)
Treatment Time 1 - 60 Minutes	

Power	110 - 220 VAC

## Devices designed for patients own use For continual pain relief, fast recovery and mobility...

Unique Technology Easy Program Selection Real Results

Nerve & Muscle Stimulator Stimtec 2

Stimulate nerve and contract muscles very significantly and precisely







### Portable Nerve Stimulator TENS T250

TENS, a small, battery-operated device delivers lowvoltage electrical current through the skin via electrodes placed near the source of pain. It stimulates the nerves in the affected area and sends signals to the brain that block the pain perception. TENS is proven to be an effective therapy to mask pain.

### **Technical Specification**

### Stimtec 2

Channels	2 and 4 Electrodes
Waveform	Sym. BiPhasic Square
Mode	TENS & EMS
Power	9V Battery & Adapter
Timer	1 - 60 Minutes
Programs	20

### TENS T250

Channels	Dual, Isolated
Waveform	Asym. biphasic square
Power	0-80 mA each channel
Pulse Width	40-260 sec. adjustable
Pulse Rate	2 - 150 Hz
Timer	30, 60 min & continuous

## US FDA Cleared Technologies for Muscle Conditioning

### **Electrical Muscle Stimulation EMS**

State of the art electrotherapies are indicated for

- Improvement of abdominal tone, for strengthening of the abdominal muscles, for development of a firmer abdomen.
- Strengthening, toning and firming of buttocks & thigh.

## Sports And Fitness Technologies

Enhance natural processes for body to heal itself, build muscles and create good health.

### **Circumferential Reduction**



### Flexibility



### Performance



### Endurance



### **BIO STIMULATION TECHNOLOGY**



X-trainer uses compound bio-wave with asymmetric pulse therapy proven therapy which treats the neurological origin of pain and restricted movement. This Neuro Recovery Technology is a patented and proven program which dramatically speeds up recovery of all surgical or non-surgical patients by keeping them

in a parasympathetic state rather than a sympathetic state.

### RUSSIAN STIMULATION TECHNOLOGY



Johari provides Russian Stimulation to stimulate motor nerves. Its capability of a high frequency (2500Hz) allows for deep muscle penetration, stimulation and intense muscle fiber contraction. It's commonly used to relieve muscle spasms and assist patients suffering from Scoliosis. Russian

Stimulation Therapy is mostly used for muscle mass and edema reduction.

Johari has been the pioneer in introducing ergonomically designed devices for non invasive body shaping, tightening, weight loss maintenance and other long lasting aesthetics results



## Powered Muscle Stimulator

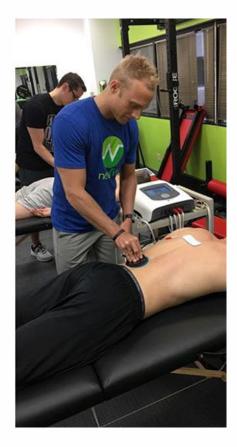


### **Technical Specification**

Background Pulse Frequency	10kHz	
Frequency Width of Background Pulse	100uSec	
Duration of low frequency impulse	460uSec	
Max peak impulse current delivery per channel	100mA	
Max charge per impulse per channel	46uC	
Max RMS power delivery per channel	2.5W	
Typical Impulse Rise time (20-80%)	60uSec	
Main pulse frequency	1 - 500pps	
Max RMS output	62.5V	
Impulse intensity	0 - 100%	
Diplay	8" Touch screen	
Channels	4 Independent	
Output Power	150V @ 500	
Waveform	Bio Electrical Wave	
Treatment Time	1 - 60 Minutes	
Output Mode	Electrodes	

### How Does EMS Training Works?

During traditional strength training the brain sends impulses which stimulate certain muscles to contract. However, not all muscles have a well-developed connection to the brain and these muscles are not activated as easily and therefore they will not develop so well. EMS Training stimulates all the major muscle groups and also helps to develop the motor nerve connections relating to muscle movement. By sending electric impulses directly to these motor nerves, even the weakly connected muscles are activated.





OPTIONAL EMS BODY SUIT EFFECTIVE, COMFORTABLE AND DURABLE

## Bio Electrical Stimulation Technology For Body Contouring Torc Pro



### **Technical Specification**

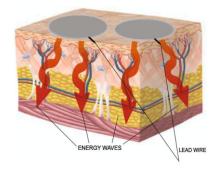
Outputs	4 (4/2 Pole Application) 16 Electrodes
Stimulation	Interfential, Russian, EMS
Frequency	40 - 4000 Hz / 250 Hz
Max. Output	80 V (Bio Stimulation)
Treatment Time	1 - 60 Minutes Adjustable

Torc Pro uses bio-electrical stimulation to tone the muscles, combat body pain, and promote endurance. These functionalities make this device as one of the best body contouring Devices at the present time. Apart from that, Torc Pro can bring you sustainable inch loss, increased muscle definition, better posture and balance. Torc Pro mimics the body's natural bio-electricity to work out muscles in a much more safe and effective manner than a traditional workout. Torc Pro's patented protocols of EMS penetrate the deep-rooted muscular structure of the body, bringing definition and core muscle strength to targeted areas.



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Proven Science Behind Torc Pro



3D Penetration, 100% Vector Modulation

**3D PENETRATION VECTOR** 

Bio Stimulation is a treatment that promotes skin and muscle repair and rejuvenation by stimulating your body's electrical healing system. Our special designed frequencies provides workout the abdominal and other muscles more effectively. It is 150 times more intense than a crunch.

## Deep Heat and Vacuum Therapy Combo

### Hilipo Detox



### Applications

- Break up fat cells
- Stimulating the metabolism
- Movement of the lymph fluid.
- Aiding the removal of toxins and waste products.
- Increases level of oxygen in cells.
- Provides penetrating warmth improve muscle tone and strength.
- increase energy levels.
- reduce fatty acids build-up in the muscle tissue.
- weight loss when combined with diet, exercise and other body treatment

### Features

- 20 Hg Pressure Digital Vacuum
- MKB Panel for Easy Operation
- 55°C Deep Heat 3 Infrared Heating Pads
- Inbuilt 4 preset programs of Heat Therapy
- One mode for custom parameter & custom treatment

### Deep Heat Therapy



Deep heat therapy can create heat 2 inch or more below the skin surface heat increases the intermolecular temperature of fat cells which further results in breakdown of the bindings between tissues and muscles of the treated area, resulting in loosening of fat cells enhancing the process of slimming.

### Vacuum Therapy

Vacuum simulates the manual cupping movement of massage which helps to mobilize and break down the excessive, accumulated stubborn adipose tissues. It improves body metabolism and increases blood supply. when combined with heat therapy it removes toxins and waste materials through lymphatic drainage.





# Products designed and manufactured for the world's largest healthcare brands



### Life Science: Homogenizer

High-speed homogenizer, lysing biological samples for isolation of stable RNA, active proteins and full-length genomic DNA.



### Diagnostics: Electro Chemistry

Electro-chemistry blood analysis instrument capable of detecting and quantifying 20+ chemical compounds, on a single blood sample.



### Physiotherapy : Winstim

Electrotherapy and Ultrasound Combination therapeutic device for pain relief and physical therapy.

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### Wireless Health Monitor

Smartphone app powered, wireless health monitor that measures Blood Pressure, Oxygen Saturation, Pulse and Body Temperature.



### Spa & Beauty : Micro Current

Microcurrent based therapy offering a non-invasive alternative to surgery, with an overall goal of wrinkle reduction & restoring the skin's health.



### Consumer Stress Relief

Flexible cum rigid PCB in wearable medical device



### BioScience: Photo Density Analyzer

High-precision Bacterial Identification System automating bio-chemistry tests used for pathogen detection & analysis.



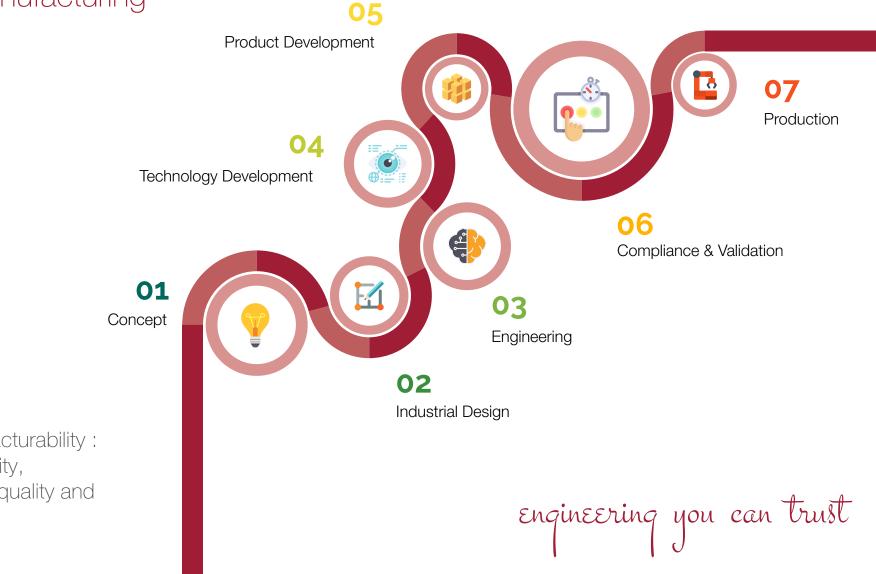
PCB

Power supply for high tech medical imaging devices.

Body Te

## Medical technologies to cater OEM / ODM Private Labeling Contract Manufacturing





Design for manufacturability : The key to simplicity, un-compromised quality and cost savings

## What our customers say

### 77

Using Johari Digital equipment more than six years for the Royal Family of Oman and indeed the efficiency of the gadgets has been really excellent following were the most positive points for me to select Johari Digital products

Dr. Syed Mohammad Waris, MD. Personal Physiotherapist to HIS HIGHNESS SHEIKH HAMD BIN HAMOOD AL GHAFREY (SALALAH OMAN)

**?**?

## "

We are highly satisfied with the performance of the equipment and support of Johari Healthcare team. their equipment are functioning and patient response is quiet satisfactory

> Dr. Karishma S. Balani MBBS, DCH, DNB, FCPS, Associate: Goldcoast Academy, Australia

> > **?**?

### "

I am much satisfied by the performance of machine. Maintenance services are good. I strongly recommend this product to every physiotherapist

> Dr. Mohd Danish (PT) Sports Physiotherapist Sports Authority of India, Government of India

> > **?**?

### "

Johari Digital's unbeatable service and system prototype won my trust. Their experience and expertise proves to be a dependable partner. I have been impressed with their commitment to manufacturing excellence

> Mr. Huanjie Wang CEO MP Biomedicals USA

### **?**?

### **GLOBAL ASSOCIATION**



At Johari, It's what we are, It's what we do

We pursue

zero side effects to body zero effect to environment zero defects in quality

Growing to promote wellness meditatively