I-Brain Robotics

Anything is Possible!

- 5 DEGREES OF FREEDOM ROBOTIC ARM
- 2 SIDED VACCUM ASSISTED EXTRACTION
- UP-TO 50 X ZOOM AI CAMERA
- ARTIFICIAL INTELLIGENCE ENHANCED EXTRACTION
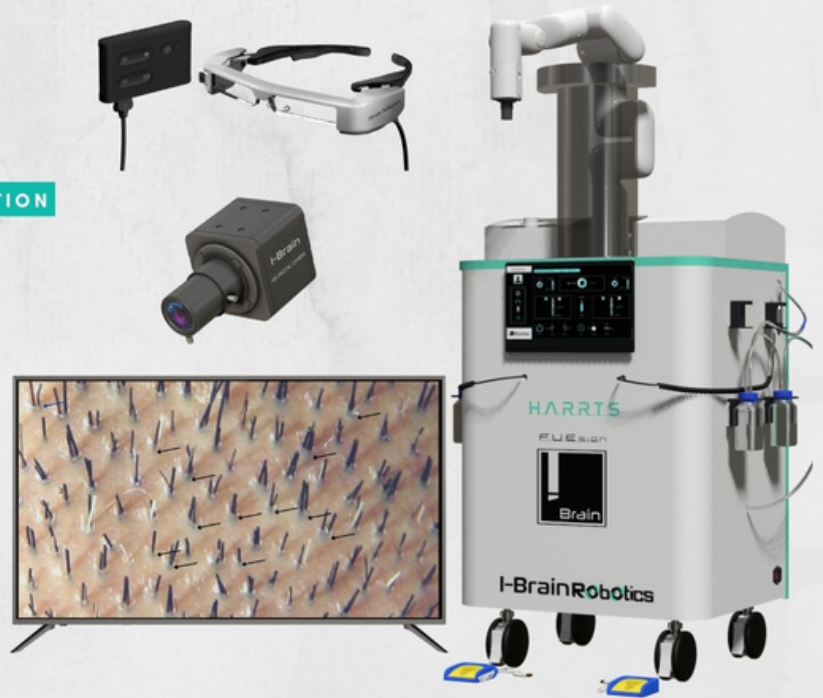- 100 INCHES AUGMENTED REALITY DISPLAY
- SCALABLE LARGE SCREEN HEADS-UP DISPLAY
- AUTOMATIC GRAFT COUNTING
- WIRELESS FOOT CONTROLS
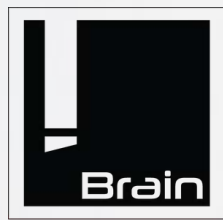- INTERACTIVE TOUCH SCREEN DISPLAY
- HANDS-FREE VOICE COMMANDS

| HARRTS FUESION X |

AI, AR, Computer Vision Assisted Robotic Hair Transplant System

HARRTS

HUMAN ASSISTED

RAPID ROBOTIC HAIR TRANSPLANT SYSTEM
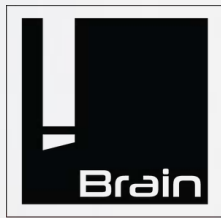
HARRTS FUEsion-X Robotic Hair Transplant System

The HARRTS FUEsion-X Robotic Hair Transplant System is the world's First and Only Hair Transplant System with 5 Degrees of Freedom Robotic Arm, 50 X Zoom, Live Feed Artificial Intelligence Camera and 100 Inches See Through Augmented Reality Glasses.

Apart from having all the Features of the HARRTS Mini, (Please see the HARRTS Mini Features from Page Number 12 - 16) the HARRTS X-2 has the following Features.

HARRTS FUESION X ROBOTIC HAIR TRANSPLANT SYSTEM

Salient Features of HARRTS FUEsion-X Robotic Hair Transplant System

While Extraction :

ROBOTIC ARM : The 6 Degrees of Freedom Collaborative Robotic Arm has the following salient features:

- Light weight, High Accuracy and Great Payload.
- 6 Degrees of Freedom ensures easy human like movements
- Automatically tracks the hand movements during the extraction of the grafts
- Maintains utmost level of accuracy while tracking
- The special safety braking mechanism ensures safe working environment while performing the hair transplant procedure.
- Up-gradable software.

A I CAMERA : The Up-to 50 X Live Feed AI Video Camera has the following salient features:
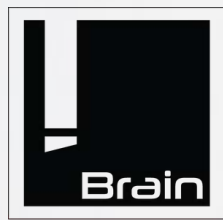
- Up-to 50 Times Zoom as compared to Naked Eye, drastically improves the visualization of the donor area and the grafts.
- The high zoom allows the surgeon to visualize the orientation/angulation of the Hair Follicle beneath the Skin, thereby, allowing the surgeon to orient the punch in the direction of the follicle beneath the skin, thereby, reducing the chances of Graft Transection while harvesting.
- Improves the Graft Yield Number by reducing the Graft Damage.
- Improves the yield and also reduces the graft damage in curly/wavy/thin/body hair follicle extraction.
- Knowing the Nature of the Grafts in relation to the number of hair in it , e.g. 1,2,3 or 4 hair follicular units., in real time.
- Knowing the exact location of these 1,2,3 or 4 hair follicular units in the selected donor area in real time.
- Deferentially localizes and helps in selective Harvesting of different types of grafts.

High Definition Computer Vision Camera

- High Definition 1080 Pixels
- Upto 30 Frames Per Second
- Sony Sensor
- Up-to 50 X Magnification
- Effective In Low Light
- Visualize the Graft Angulation Beneath the Skin
- Reduces Graft Transection
- Provides a Heads-up Display and Reduces Neck Discomfort while performing a Hair Transplant Procedure
- Reduced Skin and Graft Trauma
- Virtually Transection Free Graft Harvestation

HIGH DEFINITION COMPUTER VISION CAMERA

MACHINE LEARNING SOFTWARE : The Artificial Intelligence and Machine Learning Software Helps in the following:

- Helps in knowing the exact available number of grafts in the selected donor area.

- Helps in knowing the Nature of the Grafts in relation to the number of hair in it , e.g. 1,2,3 or 4 hair follicular units., in real time.

- Helps in knowing the exact location of these 1,2,3 or 4 hair follicular units in the selected donor area in real time.

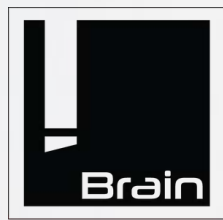- Helps in deferentially localizing and Harvesting different types of grafts.

HARRTS ARTIFICIAL INTELLIGENCE CAMERA MACHINE LEARNING SOFTWARE

AUGMENTED REALITY : The Wifi Augmented Reality Glasses helps the surgeon in the following:

- High Resolution 100" Virtual See Through Screen

- Increases the ease of the procedure

- Increases the Accuracy and Precision

- Reduces the Postural Fatigue

- Reduces the Graft Damage Rate Significantly

- Improves the Grafts Yield Significantly

HARRTS See Through Augmented Reality Glasses

- High Resolution 100" Virtual See Through Screen
- Real Time Wireless Feed in Front of your Eyes
- Increases the ease of the procedure
- Know the Graft Angulation beneath the skin
- Differentiate and Localize different types of grafts in the donor area
- Increases the Accuracy and Precision
- Reduces the Postural Fatigue
- Reduces the Graft Damage Rate Significantly
- Improves the Grafts Yield Significantly
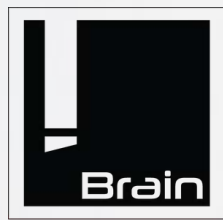
AUGMENTED REALITY GLASSES

MACHINE TALK : Machine Talk Technology:

The HARRTS X-2 Robotic Hair Transplant System is enhanced with Machine Talk Technology, which allows the surgeons to use the system by giving voice commands. This great hands-free feature comes in handy for the surgeons to maintain asepsis in the operating room and also increases the ease of operation.
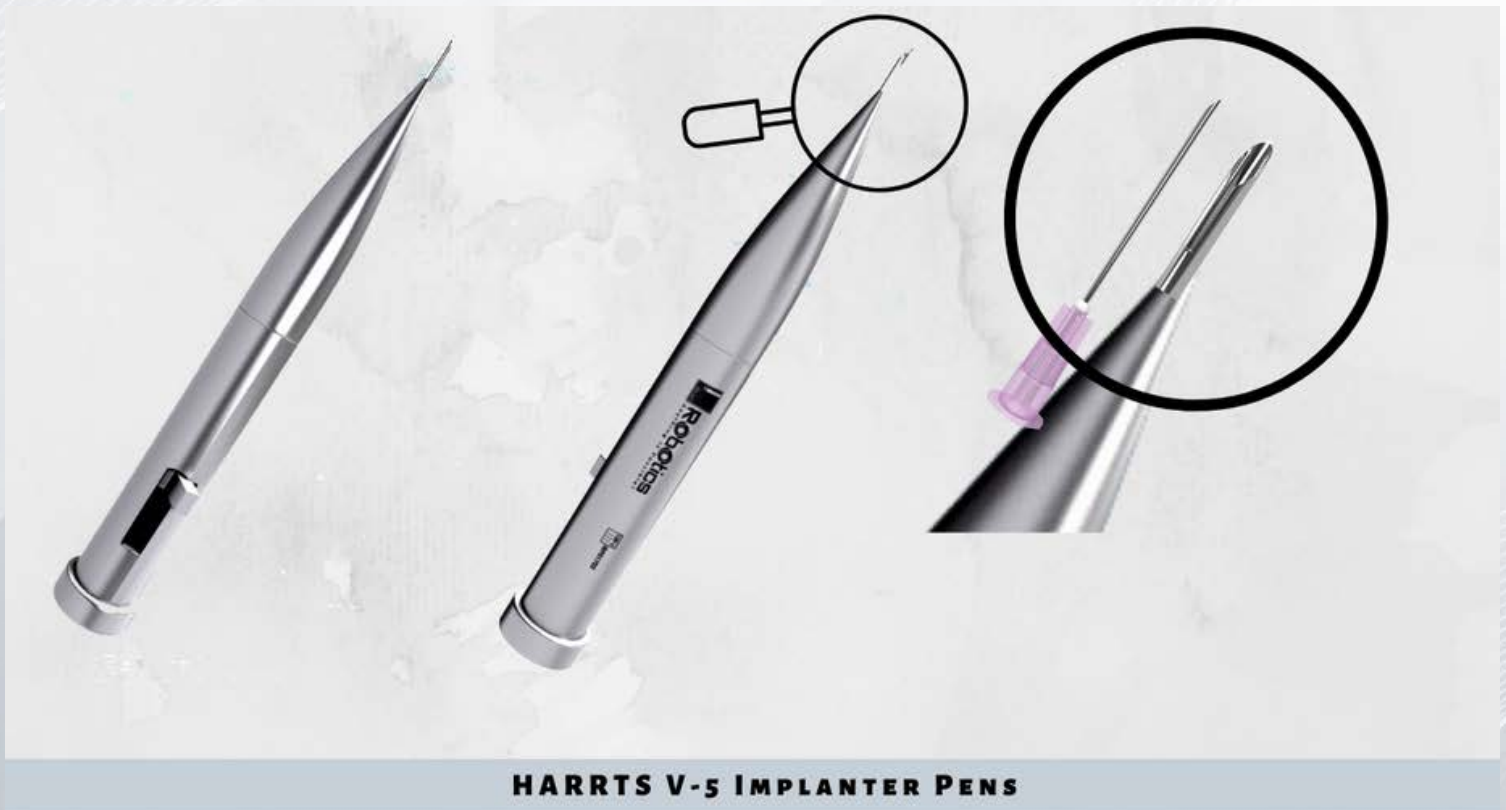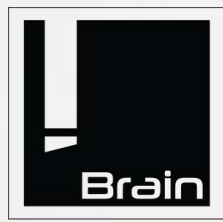
While Implantation:

- The HARRTS Hair Studio enables you to decide the exact number of grafts in each of the 7 areas of the scalp as per the grade of baldness and the desired goals.

- HARRTS Hair Studio also shows the morphed virtual pre and post hair transplant photos of your patients.

- The V-4 and V-5 Implanter enables the surgeon to achieve the perfect depth during implantation, while also maintaining a good speed of implantation.

- Both the V-4 and the V-5 Implanters reduce the learning curve significantly and makes implantation a very easy process even for a new surgeon.


HARRTS V-5 Implanter Pens

HARRTS PEN:

HARRTS Pen | The Latest Revolution in Direct Hair Implantation (D H I) Technique to simplify and increase the Ease of Hair Implantation.

Salient Features of HARRTS Pen:

- Fastest Direct Hair Implantation (DHI)
- No need to create Channels
- Very Dense Packing of Grafts
- Minimal Popping of Grafts
- Cheaper than CHOI Pen
- Per needle cost just $ 2.5 USD as opposed to $ 20 USD of CHOI Needles.
- Available in Different Sizes
- Complete Light Wt. Metal Body
- Autoclavable And Re-Usable
- Negligible Cost per Surgery
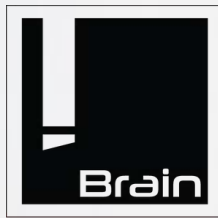
Brain Robotics
Anything is Possible!

HARRTS Hair-Studio Precision Simulation Tool

Precisely Calculate the Required Number of Grafts for Any Grade of Baldness, Simulate Post-procedure Results of Different Number of Grafts, Show your Clients Different Grafts Implantation Options, Increase Client Satisfaction and Trust.
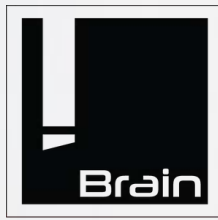

HARRTS Hair-Studio Precision Simulation Tool

Most Convenient and Easiest Tool for Physicians to Plan The Perfect Hair Transplant Strategy and Simulate Post Transplant Results for Their Clients

With this Tool, the surgeons can simulate post hair transplant results for different hair densities, different areas of baldness covered, different types of hairlines, and different number of grafts.

The Surgeon can also simulate the results and calculate the exact number of grafts required for various treatment options, not only for the entire area to be covered, but also for different individual topographical areas of the scalp.

This tool thus helps the surgeon to customize a Hair Transplant As per Patient's needs, Available Donor Area, Budget and other Variables.

HARRTS MRMS | MEDICAL RECORDS MANAGEMENT SYSTEM

A Customized, Cloud Based, Medical Records Management System Built Exclusively for HARRTS Hair Transplant Procedure

With the HARRTS MRMS the Physicians can :

- Get the most standardized documentation process set forth as per International Standards.

- Create, Edit, Access, E-mail or Print the medical records of patients, from anywhere and anytime.

- Securely store all the medical records data on HARRTS Cloud.

- Manage new consultations and patient follow ups at your fingertips.

- Engage with your patient through E-mails and SMS.

- Change the conventional Medical Records System to Cloud based Digital Records System.

Touch Screen Controls
Easy Interactive Controls

Speed Control
2 Controls for
2 Exraction Hand-pieces

Collection Jars
Cold-storage Jars for
Better Graft Survival

Extraction Hand-piece
Low Speed High Safety Hand-piece

Foot Controls
2 Controls for 2 Hand-pieces
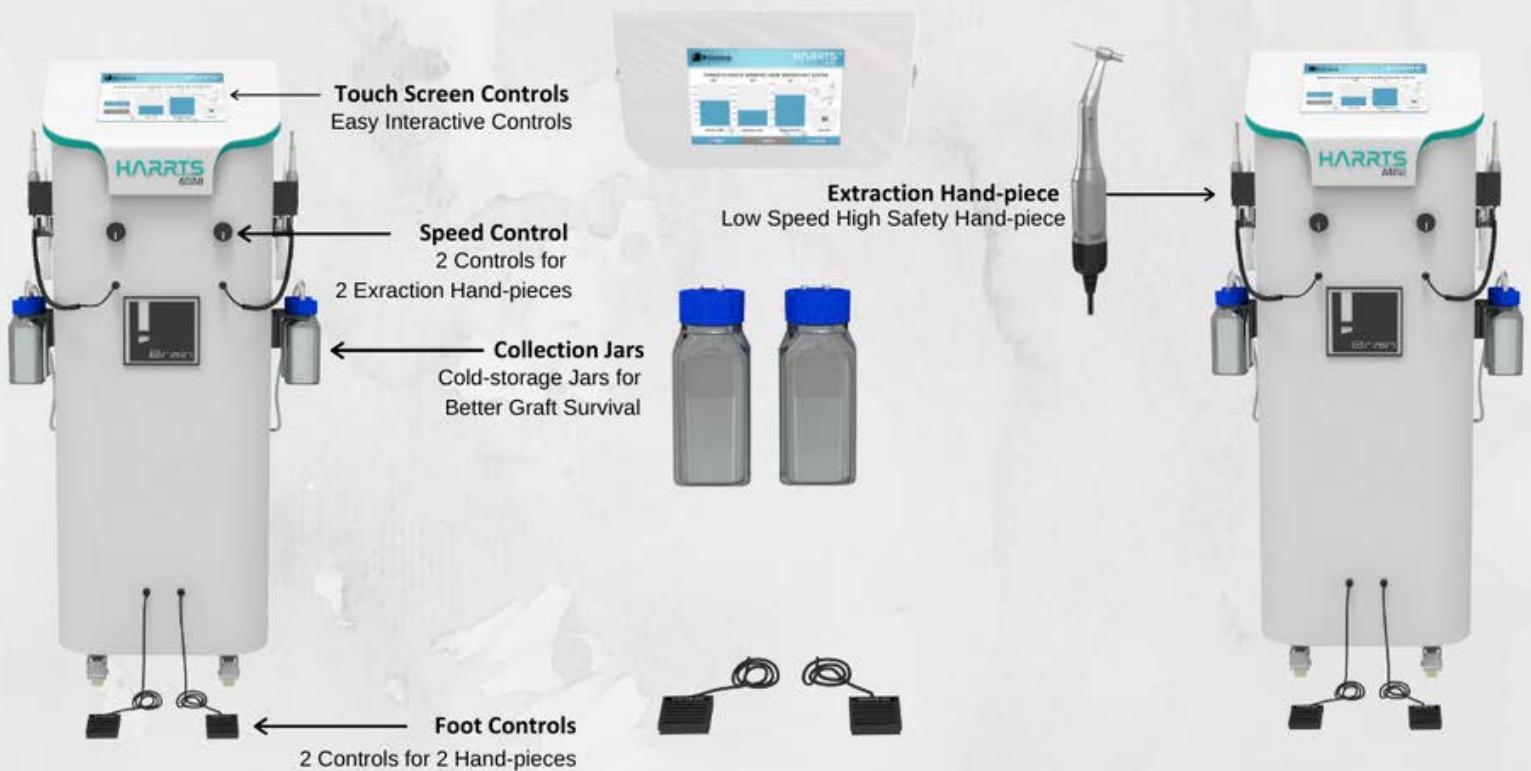
2 SIDED OPERATIONS - TWICE THE UTILITY

HARRTS MINI

Overview:

HARRTS or Human Assisted Rapid Robotic Hair Transplant System, is the World's Fastest, Safest, Least Invasive, Most Automated, Most Result Oriented and Most Surgeon Friendly Hair Transplant System.

Fastest:

HARRTS couples both the scoring and the extraction of the grafts into 1 single step, thus reducing the time of graft harvestation to less than half. With provision of 2 Hand-pieces and the possibility of 2 Operating Surgeons operating on the same patient, and the coupled extraction process, the Machine effectively reduces the time of extraction by around 2 times.

The Implantation technique uses Novel Suction Assisted Piston Type and Release Button Type Implanters. With its Tweezer Free Manipulation and Depth control mechanisms, it provides highest level of Precision in follicular unit implantation.

As such, HARRTS, in an experienced surgeon's hands, is a truly best in class hair transplant option, for people willing to get hair transplant for themselves.
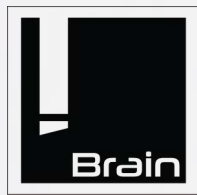
Touch Screen Controls

Easy Interactive Controls

INTERACTIVE TOUCH SCREEN CONTROL

HARRTS MINI

Safest:

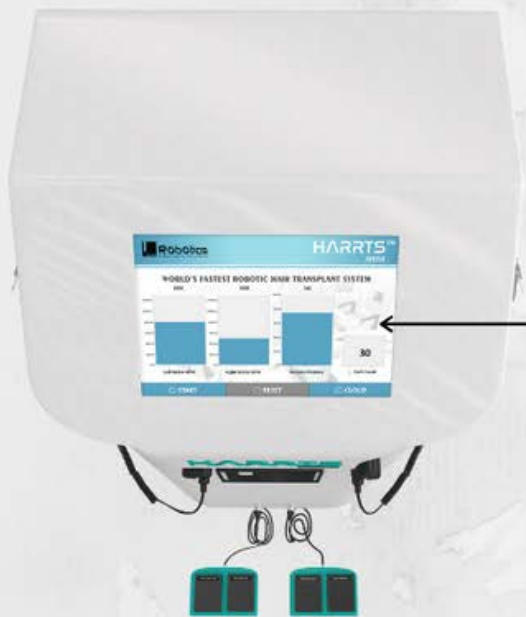The Novel technology used for the Punches and the Implanters ensure that there is no trauma to the underlying tissues or the harvested grafts both while extraction and implantation, thus providing highest level of safety while performing a hair transplant procedure.

Least Invasive:

HARRTS involves no linear incisions, slit making, channel opening, or human graft manipulation, both, while extraction and implantation, thereby making HARRTS Technique the least Invasive method of Hair Transplant.

Automated:

HARRTS V-11 System comes loaded with one of its kind Artificial Intelligence Camera System. Enabled with Up-to 50 X zoom and its Smart Artificial Intelligence Features, HARRTS V-11 enhances the operating surgeons ease, comfort, speed and precision in performing a Hair Transplant procedure. The intelligent software like the HARRTS Hair Studio and the HARRTS MRMS further increase the Automation in any Hair Transplant Procedure.
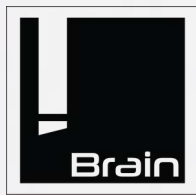
COLD STORAGE JARS | FOR BETTER GRAFT SURVIVAL

HARRTS MINI

Special Cold Storage Jars | For Better Graft Survival

The HARRTS Mini is equipped with 2 Cold Storage Jars, 1 on each side for collection of the extracted grafts . The Cold Storage jars avoid drying and desiccation of the grafts and ensure longer graft survival time outside the human body, . The Storage Jars can collect more than 2500 grafts individually, so there is no need to repeatedly interrupt the procedure to empty the extracted grafts in another collection dish.

Highest Precision Safety Punches

Patented Design
Calculated Standard Lengths
Reduced Skin and Graft Trauma
Virtually Transection Free Graft Harvestation

Low Speed High Safety Hand-piece

Contra-lateral Angle
16: 1 Gear Ratio
Low Speed High Torque Hand-piece
For Precision and Safety
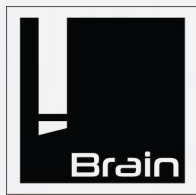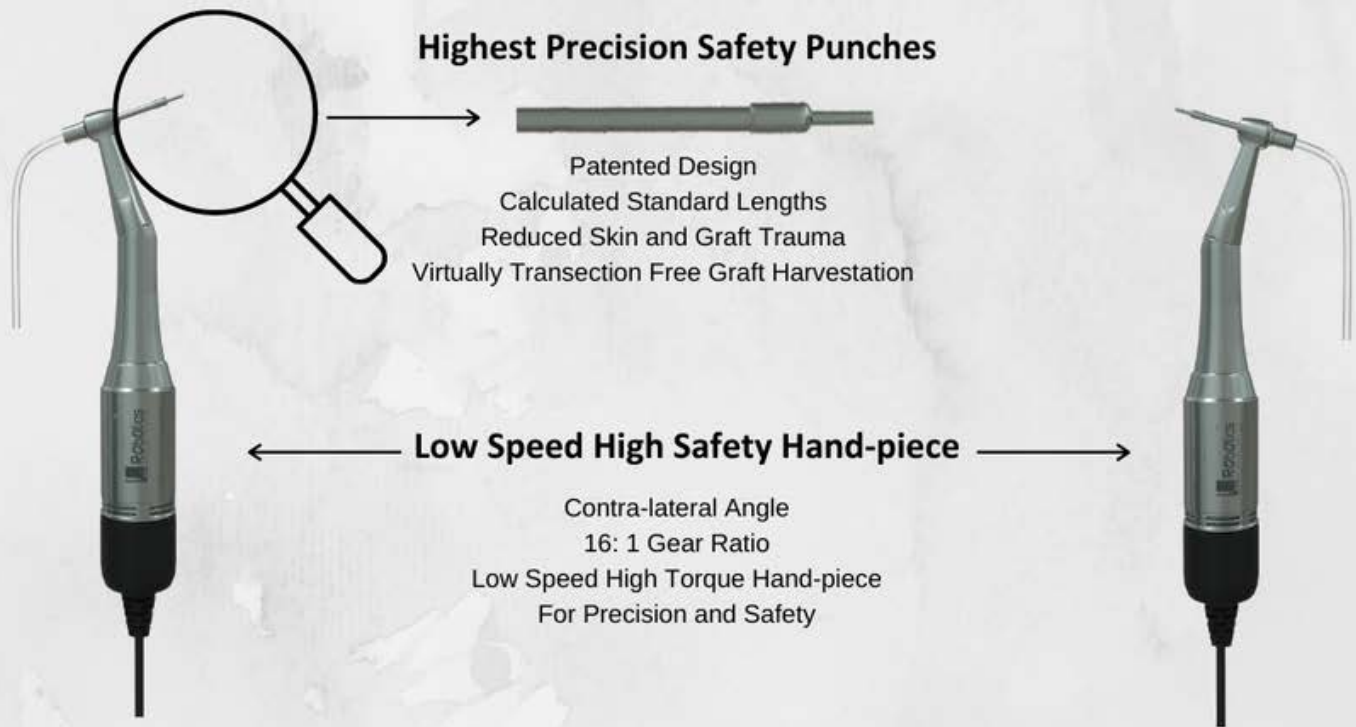
HIGH PRECISION LOW SPEED HANDPIECE

HARRTS MINI

Most Result Oriented:

The least human manipulation process during the entire procedure, enhanced with the Artificial Intelligence camera, ensures least graft damage, best graft quality and improved graft survival, thereby, providing best results after a hair transplant procedure.

Most Surgeon Friendly:

The Automation and The Guided Extraction and Implantation Process of HARRTS, makes it one of the easiest to use Hair Transplant Systems, even for those who are completely new to the hair transplant field. The High Zoom Artificial Intelligence Camera and the guided stopper technology used in HARRTS, ensures that there is no scope of human error during the entire length of the procedure.

Blunt Punches ensure less graft damage, better graft quality and also long life of punches.

Scoring End

Safety Guard

Ensures Standard Depth of Insertion, While Also reduces Graft Transection.

Large Bore Hand piece end

Scoring End Internal Diameter

Scoring End Length

Different Lengths for Different Topographical Areas. Help in reducing Graft Transection.

Large Bore Hand piece End
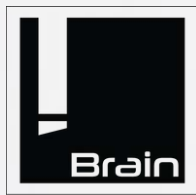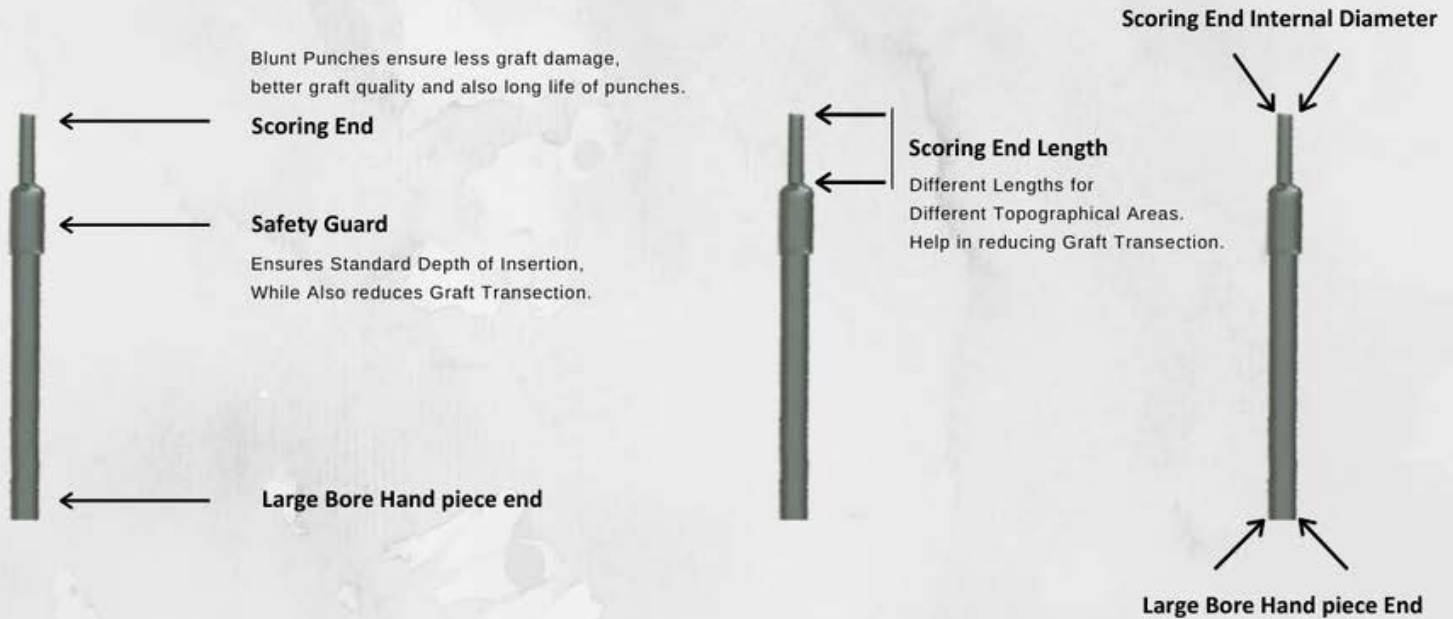
HARRTS SAFETY PUNCHES

HARRTS MINI

HARRTS Safety Punches

The Safety punches are specially designed with a unique Safety Guard, which ensures standard depth of punch insertion while scoring the grafts for extraction, while also reducing the graft transection. These Safety punches not only do come in different internal diameter, but also in different lengths from the safety guard, which allows the surgeons to choose the right diameter and right length punch for specific types of grafts in specific topographical areas of the scalp. The blunt punches also ensures less tissue damage, better graft quality and longer life for the punches themselves.

HARRTS BENEFITS

Surgeon Benefits:

- Motorized Auto focus High Zoom Artificial Intelligence Camera
- Hands Tracking Robotic Arm
- High Resolution See Through Augmented Reality Glasses
- Heads-up Method of Procedure- Negligible Neck Discomfort
- Machine Talk Technology for Voice Commands
- Depth Guidance for Extraction as well as Implantation
- Most Surgeon Friendly
- Fast Speed of Procedure
- Minimal Learning Curve for Surgeons
- Patient Comfort Chair
- 2 Sided Operating Mechanism
- 2 Hand-pieces
- Graft Counting Tool
- Free HARRTS Hair Studio Tool
- Free HARRTS MRMS Tool
- Cloud Based Proprietary Software
- Up-gradable Software

Patient Benefits:

- Least Invasive
- Low Downtime
- Fast Recovery
- Natural Results
- In-built Entertainments System
- Patient Comfort Chair
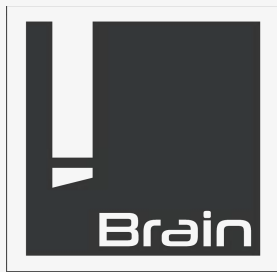
ROBOTICS

Brain

A n y t h i n g   i s   P o s s i b l e !

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