



Robotics
Anything is Possible!

HARRTS™

**HUMAN ASSISTED RAPID
ROBOTIC TRANSPLANT SYSTEM**



Why HARRTS ?

Hair Transplant Technology is seeing development with each passing year, and research has been done to make this process as less invasive and as much robotized and faster as could be feasible under the circumstances. All things considered, Automated FUE is currently the favoured choice for hair transplantation not just for the doctors but is also being requested by the patients themselves. It's this demand that initiated the development of the marvel named HARRTS!

Shortcomings of other available automated FUE based systems:

- No control over depth during scoring.
- Buried Grafts.
- Trauma to the underlying tissues.
- Desiccation of the Grafts due to Long exposure to Dry Vacuum.
- Need to manually engage the grafts in the implanter, leading to human manipulation and graft damage.
- Need to create slits in the recipient site to complete the implantation process.
- Use of pressurized for implantation resulting into damage to the follicles due to dry air.
- No control of depth while implantation leading to buried grafts and complications.
- All these short comings/issues have been addressed and resolved in the HARRTS system.

The latest state of the art robotic machine for hair transplant surgeons the world over, is right here!!!!

All these Disadvantages have been tackled while Creating the HARRTS | Human Assisted Robotic Hair Transplant System. HARRTS comes in 5 different variants to suit different needs of the surgeons. The 5 variants are as below.



HARRTS Major

Overview

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

Fastest:

HARRTS couples both the scoring of the grafts and the extraction into 1 single step thus reducing the time of graft harvestation to less than half. With provision of four Hand-pieces and 2 Operating Surgeons, as well as the coupled process, the Machine effectively reduces the time of extraction by around 4 times.

The Implantation technique uses Novel patented Suction Assisted Piston Type Implanters, with its Tweezer Free Manipulation, provides the practitioner with Speed and Precision in depth control.

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

Safest:

The Patent Awaited 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 as well as implantation, thus providing the best safety while performing a hair transplant.

Least Invasive:

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



Automated:

The Automated Suction of the Grafts both while extraction as well as implantation, the depth control provided in the punches for extraction and the implanter for implantation, makes HARRTS the most automated and Surgeon Friendly Hair Transplant Equipment available worldwide. HARRTS can be very easily used even by an inexperienced surgeon who has newly learnt the Hair Transplant Procedure.

Most Result Oriented:

The least invasiveness and least human manipulation during the entire procedure ensure the best graft quality and survival, thereby providing the best results after a hair transplant procedure.

Most Surgeon Friendly:

The Automation and The Guided Extraction and Implantation Process of HARRTS, makes HARRTS the easiest to use Hair Transplant System even for those who are new to the hair transplant field. With guided stopper technology used in HARRTS, the surgeon need not worry about the depth of scoring or the depth of implantation. This novel technology ensures that there is no scope of human error during the entire length of the procedure. The surgeon can be rest assured about the uniformity of the extraction and implantation process irrespective of the changes in angulation and position of the equipment while performing the Hair Transplant.



Salient Features of HARRTS MAJOR

- Patient Comfort Chair
- 2 Sided Operating Mechanism
- 4 Hand-Pieces
- In-Built Entertainment System
- Free HARRTS Hair Studio Tool
- Free HARRTS MRMS Tool



HARRTS V7 AI

What to expect from our System :

While Extraction :

- The AI Camera helps you know the exact available number of grafts in the selected donor area.
- 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.
- Knowing the exact location of these 1,2,3,or 4 hair follicular units in the selected donor area in real time.
- Planning your extraction as per the desired goal of your hair transplant like hair-line creation or density building.
- The Safety punches and Depth Control punches removes any learning curve and achieves the perfect depth of punch insertion required during the extraction process.
- The Chilled Bio-Fluid Storage Jar can collect and store the entire extracted grafts without causing any damage to the grafts. Thus , there is no need to repeatedly remove and empty the storage jar.

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 while 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 V7 Advantages

- **No Learning Curve**

Easy to operate for anyone even with no prior experience in hair transplant.

- **Near 0% Graft Transection Rate**

The 32 X Live feed AI Camera significantly reduces the graft damage and transaction rate.

- **Unique HUD Display**

The Unique 50" HUD Display allows a HUD experience and nullifies the postural fatigue of conventional methods.

- **Most Automated**

Better and more efficient than any other similar in class hair transplant device in market.

- **Most Result Oriented**

Maximum Graft Survival provides the best results for your patients.



HARRTS MINI

The economic choice for switching to HARRTS Robotic Hair Transplant:

We present to you "The Heart" of HARRTS™: Fully Equipped with the following from its Parent Machine:

- 2 Sets of Automated Extractors
- Novel Piston Type Implanters
- Android Based Touch Screen Interface
- Human Machine Interface (Available only as an additional service at extra cost)
- Machine Talk (Available only as an additional service at extra cost)
- Data Management System
- Local Data Storage

All this at less than half the Cost of the Parent Machine. HARRTS mini: The Smart New Choice of Hair Transplant Surgeons!



HARRTS PEN

HARRTS Pen | The Latest Revolution in Direct Hair Implantation (D H I) Techniquei-Brain , now introduces the revolutionary HARRTS Pen, 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 \$ 0.3 \$ as opposed to \$ 20 of CHOI Needles.
- Available in Different Sizes
- Complete Light Wt. Metal Body
- Autoclavable And Re-Usable
- Negligible Cost per Surgery



HARRTS NANO

HARRTS Nano | The Cheapest New Disruptive Innovation in Automated Hair Transplants. Accompanied with the Revolutionary HARRTS Pens, it truly is a Disruptive Innovation, which is set to change the way Hair Transplants are done worldwide.

Salient Features of HARRTS Nano:

- Light Weight and Portable
- Compatible and armed with the HARRTS V-5 Extractor
- Minimal Grafts Transection
- Highest Yield of Grafts/Hour compared with any other machine
- Accompanied with the Revolutionary HARRTS V-5 Pen
- Fastest Way of Hair Implantation with V-5 Pen. Implant over 1000 Grafts/hour
- Dense packing of grafts without Popping
- Most Importantly...Most Reasonable in Price as compared to any other Automated Hair Transplant Machine.



HARRTS PRECISION FUE

- HARRTS Precision FUE | For Precision, Speed and Safety in FUE Hair Transplants
- i-Brain Introduces the Newest Addition to the HARRTS Family, HARRTS Precision FUE .
- Achieve the highest Precision and Accuracy in both FU Extraction as well Implantation with our Novel Extractor and Implanter tools.
- With HARRTS Precision FUE, One can achieve the accuracy and precision even if he/she is new to the Hair Transplant Field.
- Forget about the User related Variation and Replicate the Results like a professional with each extraction and implantation of the FU.
- Priced at a very economical and affordable range, HARRTS Precision FUE is the most in-demand HARRTS System world-wide.



HARRTS MICRO

The Portable choice for switching to HARRTS Robotic Hair Transplant:

We present to you the most portable version of HARRTS™: Fully Equipped with the following from its Parent Machine:

- 1 Automated Extractor
- Novel Piston Type Implanters
- Android Based Touch Screen Interface
- Human Machine Interface (Available only as an additional service at extra cost)
- Machine Talk (Available only as an additional service at extra cost)
- Data Management System
- Local Data Storage

HARRTS Micro is Tailor-made to suit Surgeons with Institutional attachments, who travel frequently to different hospitals or clinics to perform a Hair Transplant. Attractive, Light-weight and Easy to carry, HARRTS is a must have for every Hair Transplant Surgeon.



Technical Specification, Advantages and Comparison Between HARRTS and Other Competitors

Criteria	Features	HARRTS Major	NeoGraft	ARTAS
Harvestation	Harvesting speed: Grafts per session	Up-to 3000	Up-to 2000	Up-to 2000
Harvestation	Suction Assisted Extraction Hand-Piece	Yes	Yes	No
Harvestation	Compatible with Number of Harvestation Hand pieces	4	1	1
Harvestation	Possibility of 2 Surgeons Operating Simultaneously	Yes	No	No
Harvestation	Depth control while Extraction	Yes	No	No
Harvestation	Dual Mode of Extraction Precision FUE & Suction	Yes	No	No
Harvestation	Artificial Intelligence Camera for Grafts Calculation	Yes	No	No
Harvestation	Artificial Intelligence Camera for Grafts Localization	Yes	No	No
Harvestation	Artificial Intelligence Camera for Grafts Analysis	Yes	No	No
Harvestation	32 X Zoom Live-Feed AI Video Camera	Yes	No	No
Harvestation	Live-Feed Real-time Calculation, Analysis and Localization of Grafts	Yes	No	No
Harvestation	Capability to visualize the Graft Orientation beneath the skin	Yes	No	No
Implantation	Depth Control while Implantation	Yes	No	No
Implantation	Automated Suction Assisted Implanter	Yes	No	No
Implantation	HARRTS Artificial Intelligence Hair Studio Tool for Implantation	Yes	No	Yes
Implantation	2 Types of Implanters, Suction Assisted and Manual	Yes	No	Yes
Display	Touch Screen Display	Yes	No	Yes
System	Patient Comfort Chair	Yes	No	Yes
System	Entertainment System	Yes	No	No
System	Storage Capacity	Yes	No	No
System	Upgradable	Yes	No	No
System	Virtual Hair Studio Software	Yes	No	Yes
System	Cloud Based Medical Documentation	Yes	No	No
System	Cloud Based Data Storage	Yes	No	No
System	Data Retrieval System	Yes	No	No
System	Local Data Storage	Yes	No	No



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Contact Us

Registered Address [USA] :

3386, S.E. 54th Avenue,
Ocala, Florida - 3440, USA

Registered Address [UK] :

11 Church Road | Great Bookham |
Surrey | KT23 3PB

Address [India] :

306 A, 3rd Floor, Town Square,
New Airport Road, Viman Nagar,
Pune, Maharashtra - 411014

Landline[USA]: +1 86 35 82 5403

Whatsapp[USA]: +1 34 72 64 6267

Phone [uk]:

+44 74596 30086 / +44 74660 41345

Landline [uk]:

+44 20 3318 2612 / +44 20 3318 6120

Phone [India] :

+91 9370192733 / +91 9373192717.

Website: www.ibrainrobotics.com

Email: info@ibrainrobotics.net

