



PRESS KIT
The CNC System

Cesare Ragazzi Laboratories

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CNC System

The CNC® system is the most efficient method for resolving full or partial hair loss.

Clinically tested, practical, non-surgical and natural-looking, this special, patented method springs from our company's continuous research in collaboration with the Dermatology Clinic and the Chemistry Department of the University of Modena and the Pharmaceutical Chemistry Department of Rome's La Sapienza University.

Natural human hairs are sewn by hand onto a thin, light, breathable base – the "[second scalp](#)" – which is made of a special polymer resin to match the precise distribution, inclination and direction of the client's own natural hair growth. The method produces perfect hair thickness and colour, both of which are determined by closely studying the client's individual characteristics. This method can only be achieved by hand through meticulous work by skilled professionals who use only the highest quality human hair and materials.

The hair used in the CNC® system is anchored to the client's scalp using a special medical adhesive, dermatologically tested at the Cosmetology Centre at the University of Ferrara.

The CNC® system has powerful anti-bacterial properties and provides complete "breathability" for the scalp, while being traction-resistant regardless of changes of weather or temperature – so clients can return to enjoying a completely normal and active lifestyle without the need for radical surgical procedures.

Process

PHASE 1 Scalp mapping

Computer mapping of the scalp and alopecic area.

PHASE 2 Cast production

Cast created using specialist computer imaging, cloning the contours of the skull and scalp.

PHASE 3 Cloning and pantone matching

Clone membrane created by robotic technology, replicating exact shape, lines and pantones of client's scalp.

PHASE 4 Hair selection and matching

Meticulous selection of high-grade human hair to replicate colour and texture.

PHASE 5 Implanting

Hairs implanted individually into membrane, mirroring original direction of growth.

PHASE 6 Non-surgical grafting

The membrane is non-surgically grafted onto the scalp before professionals complete a final styling.

PHASE 7 CNC System fully integrated

Hair can now be exposed to all activities including swimming and high impact sports. Ongoing care in clinics under the guidance of a dedicated Cesare Ragazzi Laboratories consultant.