

## human med AG

Leading in water-jet technology



human med AG is an innovative medical technology company in the field of water-jet surgery with its headquarters in Schwerin/Germany. With its unique technology for hydrodynamic separation and harvesting of tissue and cells particularly from the subcutaneous fat tissue, the company is heading the international market of plastic-reconstructive and aesthetic surgery. human med can build on long-term experiences with water-jet assisted systems allowing precise control and selective tissue treatment. On this basis, the company developed the tissue-sparing method of Water-jet Assisted Liposuction and Lipotransfer (WAL) that is used in the aesthetic market, as well as plastic and reconstructive surgery for body-contouring, breast augmentation and reconstruction, and for treatment of soft tissue defects, scars and chronic wounds.

## biofilling®

Special method of fat harvesting

Biofilling stands for harvesting small volumes of fat tissue for lipofilling by means of Water-jet Assisted Liposuction and Lipotransfer (WAL). This procedure is nearly atraumatic, since it provokes less pain and hematoma in the donor area. That is the reason why this treatment is well accepted by the patients.

When extracting fat cells the subcutaneous fat tissue, blood, lymph vessels and nerves are spared. The very high fat cell viability of approximately 90% allows that up to 87% of the grafted tissue volume is preserved and adheres to the recipient area. The success of the treatment is very well predictable according to numerous clinical studies.

For best results and satisfied patients!

Flexible for operating rooms and private practices



- Dimensions: 32 (B) × 35 (T) × 30 (H) cm
- Weight: 11 kg
- Flow: approx. 60ml/min (equivalent to body-jet® RANGE 1)
- Vacuum: approx. -500 mbar

# body-jet® eco

Precision small-volume fat harvesting

For hospitals, clinics and private practices

Proven cutting-edge technology especially for small volumes of fat tissue





- Small
- Handy
- Easy to operate
- Made in Germany

**Flexible to use**  
in hospitals and practices

Fat grafting and liposuction in a small volume range for various applications.

For instance:

- Hand and face filling
- Wrinkle injection
- Body contouring, e.g. of chin and upper arms
- Soft tissue corrections
- Treatment of radiation and burn scars
- Treatment of chronic wounds

**●●body-jet® eco**  
Small-volume fat transfer management in a systematic way

The innovative body-jet® eco has been designed for the precise and gentle removal of small fat tissue volumes that may be used for subsequent autologous fat transfer. A pulsating water-jet combined with a tissue-sparing, defined vacuum allows harvesting intact and highly viable fat cells from the subcutaneous fat tissue in a gentle way.

The gentle water-jet technology helps to avoid side effects that may develop in the donor area as a result of a “dry”, manual liposuction, as well as damages to the fat cells often resulting from a too- high syringe vacuum.

Harvesting autologous fat with the body-jet® eco saves time. This effect becomes significant in the case of small fat tissue volumes from 20ml.

The fat tissue harvested and collected in a sterile, closed system (body-jet® eco and FillerCollector®)

is highly viable, finely dispersed and excellently suited for immediate re-injection due to the lobular size (diameter of the fat clusters approx. 0,9mm). A further treatment of the aspirated tissue such as filtration or centrifugation is not necessary.

Compared to other methods, the results of water-jet assisted lipofilling using the body-jet® technology are predictable, as proven by a multitude of published clinical studies.

The body-jet® eco has a modern design combined with a clear and intuitive operating concept. It is easy to transport thanks to its limited weight and ergonomic shape. Due to its cutting-edge concept the body-jet® eco provides the perfect solution for small-volume fat transfer management to the user.

**Efficient**  
For the user

- Optimized for small volumes in fat grafting and liposuction
- Economical to use – your treatment expenses are reduced
- A very fine fat consistency of high viability allows working precisely in small body areas
- Time saving in comparison with conventional methods

**Gentle and safe**  
For the patient

- Minimized risk of surgery – no general anesthesia required
- Short recovery time – your patient can return home on the very same day
- Excellent results due to high precision
- Nearly pain-free and atraumatic thanks to the gentle force of the water-jet