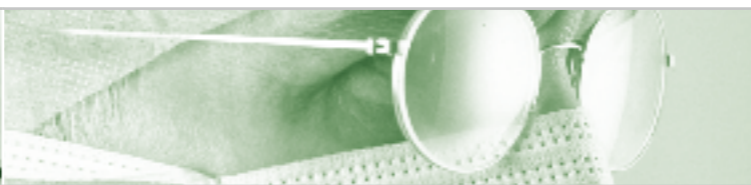




## ACKERMANN EUROPCLIP<sup>®</sup>

Clip Applicators & Titanium Atraumatic Haemostatic Clips

Europclip<sup>®</sup> Premium Plus



## COMPANY PROFILE

From its modest beginnings over 50 years ago, Ackermann has grown into an Instrument company well placed to become a market leader in its product fields.

The name of Ackermann Medical is inseparably linked to surgical technology and remains at the forefront of tomorrow's technological breakthroughs.

Ackermann has over five decades experience in saving the human community, focused and striving towards a perfect environment of medical science and technology.

The medical equipment manufactured by Ackermann results from a close collaboration between practising surgeons and specialists, working together in concert, to establish the most effective directions for the company's continual process of development.

Thus, Ackermann is focused on several international markets, and has successfully obtained a range of unique products. In addition to continuous R&D, the company prides itself on an extremely short product to market cycle, which has brought Ackermann a significant market share in the fast changing area of endotechnology.

Ackermann Instrumente –  
Quality made in Germany and Switzerland.

### HISTORY OF LIGATING CLIPS

For more than 80 years now, ligating clips have been used in surgeries. The first clip ever was designed and introduced by Dr. H. Cushing, a well-known Boston neurosurgeon. The clips he invented had two basic functions, ligation of vessels and nerves or to mark specific surgical site, which would show up on the X-Ray later on. Ligating clips are permanently implanted into the human body.

Usually, the clips were used in difficult surgical cases only. The surgeons trusted more into suturing as into the newly introduced ligation clips. The clips were used only when the use of suture proved to be too difficult or impractical. But since the first ligation clip has been introduced, the habits have changed and the confidence into the precision and security has grown. The benefit of high time savings in comparison with suturing also became an important aspect to surgeons as well as to the hospital management. Nowadays ligation clips are often used instead of suture when ligating vessels in most of the surgical applications.

### TITANIUM AS "THE" MATERIAL IN MEDICAL TECHNOLOGY

Titanium has been introduced to the market place in the mid – 1980s. The highest advantage of titanium is that it is not interfering with CT or MRI scans. Titanium is an extremely tough metal, it wears out production tools at an accelerated rate. In addition to that, Ackermann Medical GmbH is using special strand annealing and batch annealing steps to produce the most reliable and most advanced clips for you.

Also Ackermann Medical GmbH uses extraordinary pure titanium which does not contain any vanadium, which is part of some surgical implants, due to the lower quality of titanium.

Titanium has an extensive surgical implant history. Titanium is THE material of choice for the vessel clips. It is less expensive than tantalum, the material the clips were manufactured of previously, and has none of the disadvantages of stainless steel.

1954 a marvelous story begins – Ackermann Medical was founded as an OEM producer for ophthalmic and microsurgical instruments. The founders have been master craftsmen since that time.

1960 Ackermann Medical moves to its first own premises in Germany: To Weilheim.

1967 Ackermann Medical becomes a leading OEM producer for finest crafted ophthalmic scissors. The production reaches one of the leading positions in the world market.

1972 Ackermann extends its operation to other fields as well.

1978 Ackermann expands the range of products to titanium machined devices.

1983 Ackermann enlarges its production.

1988 Ackermann enters the market of endoscopy as OEM producer for the well-known marketing organizations in Tuttlingen, Germany.

1992 Ackermann sets a distributor network in Europe and is still continuing OEM business in the US market.

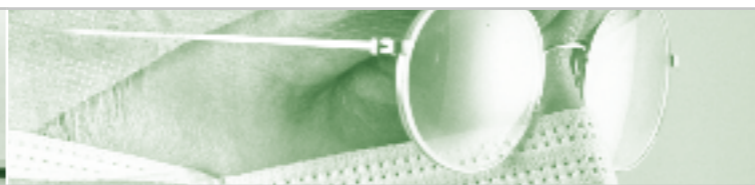
1995 Ackermann produces the major part of reusable hand instruments for endoscopy of the world market.

2002 Ackermann moves to its new International headquarters in Weilheim, near by Tuttlingen - Germany.

2003 Ackermann continues to grow into the market of REPOSABLE instrumentation and covers almost any speciality in endoscopy.

2005 Ackermann achieves a double digit growth for now the 10th year in row.

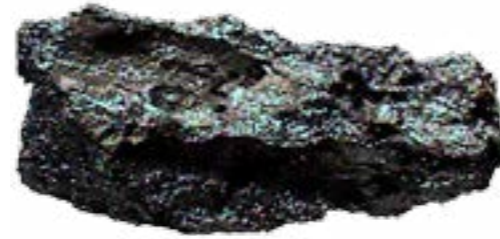
2008 Ackermann opens manufacturing facility in Switzerland.



## EUROPCLIP<sup>®</sup> ADVANTAGES

### Production Material

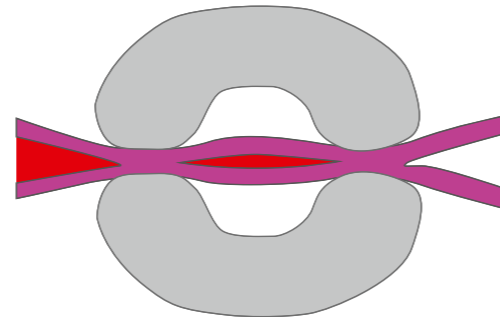
The Ackermann Medical EUROPCLIP is made out of the highest quality titanium available on the market so far. Therefore, the clips are CT and MRI compatible.



### Shape of the ligation clips

Ackermann has the most atraumatic shaped clip in the market. Where competitive products only seal once, the EUROPCLIP gives you the double safety. In addition to that, each clip is undergoing a unique surface polishing, which guarantees a perfect contact to the tissue.

The EUROPCLIP is U-shaped, so that the clip becomes stronger and gives a better resistance vs. the square shaped clips of competition.



### Closure system of the EUROPCLIP

Ackermann is offering you with the EUROPCLIP a preformed clip, which gives a significant advantage to the surgeon. When the applicator jaws are squeezed together the tip of the clip is closing first.

This is a strongly endorsed feature by the surgeons. The vessel is contained within the clip, so that full control is available before ligation.



## FURTHER EUROPCLIP<sup>®</sup> ADVANTAGES

### New cross serration on EUROPCLIP jaws

A highly advanced cross serration is available on each clip, which will make the clip even more secure against slipping away from the vessel after closure.



### The EUROPCLIP cartridge

The one way plastic cartridge used for the EUROPCLIP is holding six single EUROPCLIP clips. This is a high advantage against the competitive products, which come with 10 or even more clips, as the waste of clips is lower or even not given.



Each EUROPCLIP cartridge is equipped with a sticky tape on the back side, so that it can be easily fixed to any surface.



Each cartridge is packed separately into a sterile pack.

All loaded cartridges undergo gamma sterilization before individual packing.

### The EUROPCLIP applicators

The EUROPCLIP applicators undergo a quality control procedure one by one. Each applicator gets tested before shipping to the customers. These and the unique advantages make the EUROPCLIP applicator the best choice for our customers.





**easy and convenient**

- ▶ soft loading system
- ▶ sticky tape at the back of the cartridge

**safe and up-to-date**

- ▶ the chevron shape facilitates the save „tip-first“ closing action
- ▶ serrated inner surface and heart shaped cross-section of the clips allow secure closing
- ▶ solid titanium gives a scatter-free CT image and an MRI compatibility

**sterile clips**

- ▶ sterile packed clips in a peel pack



**Large**

<b>AI74CL6</b>	6	20	120
	Clips / Cartridge	Cartridge / Box	Clips / Box



**Medium Large**

<b>AI74CML6</b>	6	20	120
	Clips / Cartridge	Cartridge / Box	Clips / Box



**Medium**

<b>AI74CM6</b>	6	20	120
	Clips / Cartridge	Cartridge / Box	Clips / Box



**Small**

<b>AI74CS6</b>	6	20	120
	Clips / Cartridge	Cartridge / Box	Clips / Box



**easy and convenient**

- ▶ soft loading system
- ▶ sticky tape at the back of the cartridge

**safe and up-to-date**

- ▶ the chevron shape facilitates the save „tip-first“ closing action
- ▶ serrated inner surface and heart shaped cross-section of the clips allow secure closing
- ▶ solid titanium gives a scatter-free CT image and an MRI compatibility

**sterile clips**

- ▶ sterile packed clips in a peel pack



**Large**

<b>AI74CL6/24</b>	24	24	576
	Clips / Cartridge	Cartridge / Box	Clips / Box



**Medium Large**

<b>AI74CML6/24</b>	24	24	576
	Clips / Cartridge	Cartridge / Box	Clips / Box



**Medium**

<b>AI74CM6/24</b>	24	24	576
	Clips / Cartridge	Cartridge / Box	Clips / Box



**Small**

<b>AI74CS6/24</b>	24	24	576
	Clips / Cartridge	Cartridge / Box	Clips / Box

## EUROPCLIP® PREMIUM PLUS



### Advantages

- ▶ No slipping or tilting of the clip in the clip applicator by incorrect leading in the magazine
- ▶ Resilient support also by usage with defect clip applicators
- ▶ Loading without resistance
- ▶ New ergonomic design
- ▶ Precise clip taking
- ▶ Usable with normal Ackermann clip applicators and clip applicators
- ▶ Exact guidance of the clip during clip applicator closing

### sterile clips

- ▶ sterile packed clips in a peel pack



#### Large

<b>AI74CL6-H</b>	6	20	120
	Clips / Cartridge	Cartridge / Box	Clips / Box



#### Medium Large

<b>AI74CML6-H</b>	6	20	120
	Clips / Cartridge	Cartridge / Box	Clips / Box



#### Medium

<b>AI74CM6-H</b>	6	20	120
	Clips / Cartridge	Cartridge / Box	Clips / Box



#### Small

<b>AI74CS6-H</b>	6	20	120
	Clips / Cartridge	Cartridge / Box	Clips / Box

## EUROPCLIP® APPLIERS



- ▶ precise loading of the clips
- ▶ firm grip of the clips
- ▶ safe closing
- ▶ color code
- ▶ full range of sizes

#### Large

<b>AI-321550DD</b>	Clip Appliers, straight, 190 mm
<b>AI-321552DD</b>	Clip Appliers, right angled, 190 mm
<b>AI-321554DD</b>	Clip Appliers, straight, 280 mm
<b>AI-321556DD</b>	Clip Appliers, right angled, 280 mm



#### Medium Large

<b>AI-321540DD</b>	Clip Appliers, straight, 190 mm
<b>AI-321544DD</b>	Clip Appliers, right angled, 190 mm
<b>AI-321542DD</b>	Clip Appliers, straight, 280 mm
<b>AI-321546DD</b>	Clip Appliers, right angled, 280 mm



#### Medium

<b>AI-321524DD</b>	Clip Appliers, straight, 150 mm
<b>AI-321526DD</b>	Clip Appliers, straight, 190 mm
<b>AI-321520DD</b>	Clip Appliers, right angled, 190 mm
<b>AI-321522DD</b>	Clip Appliers, straight, 280 mm
<b>AI-321528DD</b>	Clip Appliers, right angled, 280 mm



#### Small

<b>AI-321530DD</b>	Clip Appliers, straight, 150 mm
<b>AI-321532DD</b>	Clip Appliers, straight, 190 mm
<b>AI-321534DD</b>	Clip Appliers, right angled, 190 mm





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