





MA30 Custom Made Speaker Kit • Ensemble

**MUNDORF MA30** Kit is neither a regular DIY Kit nor is it a finished loudspeaker. So what is it then?

We call it a “Custom Made Speaker Kit” In our view this term comprehensively frames MA30’s concept when we started developing it and what it eventually became. But what does “Custom Made Speaker Kit” practically mean for you and all other much esteemed customers of ours?

The most obvious difference to regular DIY kits is that MA30’s compilation can be chosen from a variety of ready-engineered, ready-made devices such as frequency X-overs and wire sets. Once chosen, these items only need to be assembled into adequate cabinets (see page 6, “What About The Cabinet?” technical drawings).

For to decide your very MA30 Kit, engineering skills are not required! Then again, exercising A to B listening comparisons of certain items such as X-overs or connectors with possible alternatives, definitely helps to better understand the correlation between them and their very own importance for the resulting music performance. Also, comparisons are both much fun and a decent way to understand the basics of speaker engineering a great deal better and, after all, to enable you to rationally decide your very MA30 items altogether.

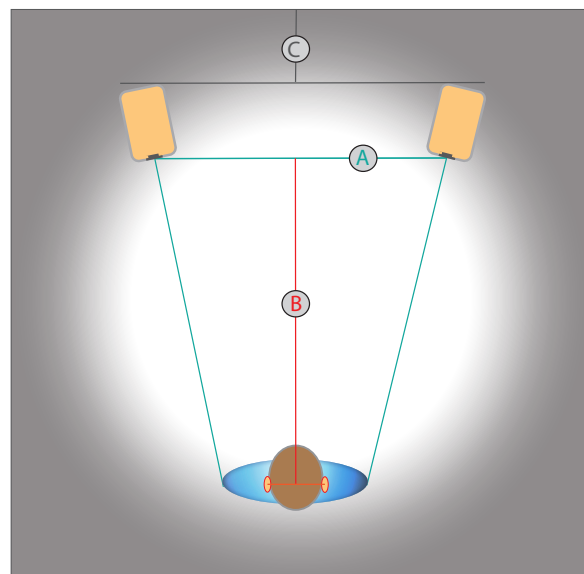
Except for the speaker drivers, all relevant and performance related items are available in different technical finish to choose from. That means great flexibility for you in making appropriate decisions without taking



chances but to choose from given variant parts professionally engineered for to perfectly match each other and, in the end, to enable you to create a loudspeaker right to your personal listening preferences.

You might be a passionate music lover who cares just as much about an excellent music performance as about an appealing design and lasting reliability but, on the other hand, you don’t place yourself in the sweet spot for infinite listening sessions that often. Instead, you want to enjoy the music you love where ever you are in your room and, whilst doing whatever. That’s fine and, chances are that you will be completely satisfied and happy with the ‘Anniversary’ Kit. However, if you’d want to enhance the sweetness of MA30’s lovely tweets a bit, that’d be still possible, as you’d just choose the gold coated connectors instead the more natural sounding copper version. And so on, and so on, just as you like and, all the way down to your individually customized MA30 Kit.

Best of all, you or your trusted dealer can upgrade any Anniversary version to a SilverGold version within an hour and, at any time later.

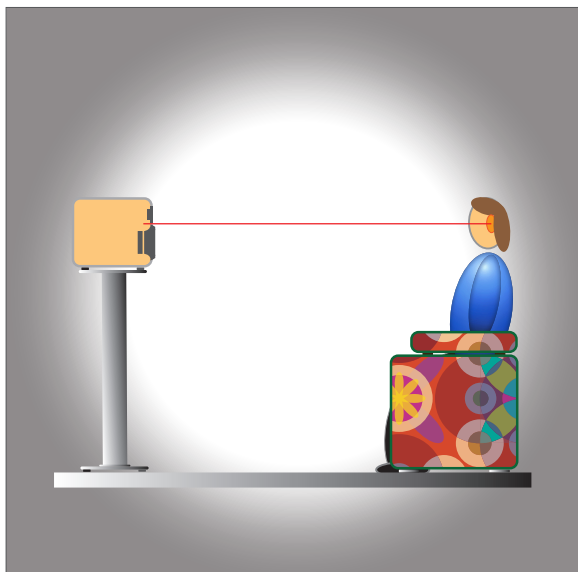


A 6,6ft to 8,2ft • B 6,6ft to 9,8ft • C 1,3ft to 2,0ft

Yet, if you are really really serious about listening to music you'll possibly pick the SilverGold version and enjoy sitting in the sweet spot for endless hours and hours of listening to and falling in love with MA30's enchanting music performance over and over again. Simply because all that what makes an event entirely complete is right there in front of you: The stage, the singers, the instruments, you notice the space and figure the distances between them and, more often than not, you can even fancy their moves. Naturally, all that comes seamlessly embedded in MA30's beautiful natural life-like musicality. Just as you've ever dreamed but never experienced it before.

However, before your dream comes true, some easy-to-do but crucial adjustments on MA30's placement have to be done but, only once, for to enjoy perfect events from day 1 (see related drawings below).

## MA30 Custom Made Speaker Kit • Entirely Made in Germany



Defining The Ideal Horizontal/Height Set-Up



MA30 Custom Made Speaker Kit • Parts

### MUNDORF MA30 Kit - The Initial Idea Behind It is History.

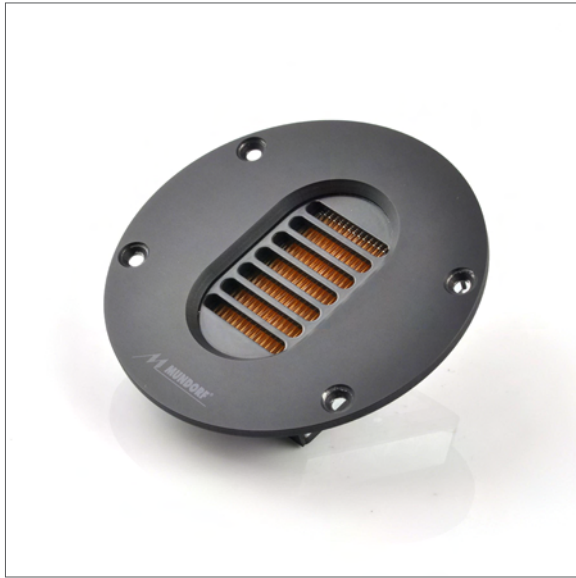
Almost 30 years ago, both audio companies Mundorf and Accuton ([www.accuton.com](http://www.accuton.com)) were officially established in Germany. Both started in Cologne, Germany, in 1985. Accuton later moved to the village of Pulheim, about 20km away from Cologne. From the early days until today, both companies are cordially collaborating, occasionally in terms of technical support and sharing facts back and forth. Ever since, the relation is based on mutual acknowledgement, respect and trust.

Up Until Today, you can find both companies' products matching each other perfectly in many speaker systems (from vintage to most recent ones) but, no speaker system particularly emphasized that fact. Possibly, up until today, there was no actual reason to engineer such a speaker and, just for its own sake.

#### Now There Is!

A kind of anniversary! 30 years of mutual history in the field of hi-end audio is certainly a remarkable event and, worth to be celebrated with something real and very special. The more, as this anniversary becomes ultimately complete with a further German hi-end audio-icon: company WBT! More or less similarly aged and also cordially related to both the other celebrities. That is why WBT's latest top-rate terminal plate and related posts are much suggested add-ons for the MA30 SilverGold Edition (btw, MA30 stands for MUNDORF 30years Anniversary).





AMT19CM1.1 • Pneumatic Air Motion Tweeter



ACCUTON C158-8-085 • Ceramic Mid-/Woofer

### MA30 Anniversary Series

MA30 Anniversary X-Over contains:  
 2 pcs. AMT19CM1.1 Tweeter  
 2 pcs. ACCUTON C158-8-085  
 Ceramic Woofer  
 2 pcs. Frequency-X-overs  
 Made from paired building parts  
 on finished circuit boards.  
 Each board carries:  
 1pc MCap SUP EVO Alu.Oil  
 1pc MCap EVO Oil  
 3pcs MCap EVO  
 4pcs PBH Resistors  
 3pcs MCoil Copper Foil

MA30 Anniversary series is meant to fully satisfy all those music lovers who ever sought to listen to music in absolutely superior hi-end quality just when and where you want. Best of all, you or your trusted dealer can upgrade any Anniversary version to a SilverGold version within an hour and any time later.

Frequency Range: 48Hz - 30kHz

US\$1750

### MA30 SilverGold SG Series

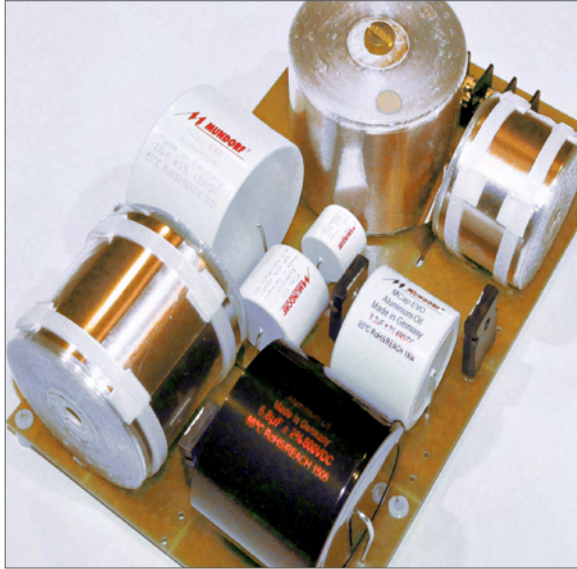
MA30 SilverGold X-Over contains:  
 2 pcs. AMT19CM1.1 Tweeter  
 2 pcs. ACCUTON C158-8-085  
 Ceramic Woofer  
 2 pcs. Frequency-X-overs  
 Made from paired building parts  
 on finished circuit boards.  
 Each board carries:  
 1pc MCap SUP EVO SG.Oil  
 1pcs MCap EVO SGOil  
 3pcs MCap EVO Oil  
 4pcs PBH Resistors  
 3pcs MCoil Copper Foil

MA30 SilverGold series carries already the most recent and best sounding MCap capacitor series in 30 years: MCap Supreme EVO SilverGold.Oil. Launched in August 2015 as another Anniversary project. It provides a further improved music performance in terms of an even more detailed staging and all the finest colors and texture of human voices and involved instruments in a warm but analytical way. Just sit in place and listen for hours to your beloved music without any loss of details but without being distracted by any annoying, tiresome ,fuzz' either!

Frequency Range: 48Hz - 30kHz

US\$1950





Anniversary X-Over with SUP EVO Alu.Oil

### Why Those Speaker Drivers?

Why a combo of the most less expensive Mundorf AMT tweeter and the most less expensive Accuton Ceramic Mid-Woofer? Simply because of the beforehand defined task, which was not easy to achieve: To offer a Hi-End Speaker Kit as affordable as any possible but, same time, clearly outperforming all competing kits by being at least one level superior. A kit which of both Mundorf and Accuton company would be proud of! And, finally, a kit that everybody can easily assemble into an easy-to-build but thoughtfully designed cabinet. Nicely designed and accurately engineered to the Ceramic woofer's particulars and properties.

### Also Available on Request

In association with our retailers we also provide all necessary parts for MA30 Kit assembling such as Mundorf Bi-Wiring Terminal Plates and connectors, internal wire sets and sound-absorbing materials in various quality standards. Please ask your dealer for more information.

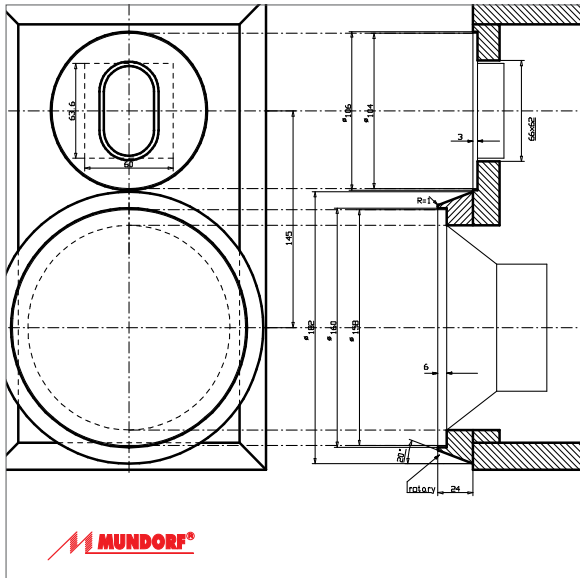


SUP EVO SG.O of SG X-Over not displayed here

### What Is The X-over About?

The crossover layout is purely serial, thus there are no parallel components in the entire crossover. Also, the layout is done for bi-wiring resp. bi-amping. Crossover frequency is 3450Hz. High-pass and low-pass are 1st. order/6dB filters, designed as a Notch-Filter in both high-pass and low-pass filters. A Notch-Filter is basically a band-pass filter in series wiring, which, amongst others, helps to eliminate peaks in the frequency response of a loudspeaker, hence, it is for linearization purpose. Please note: A Notch-Filter is no response-time correction, thus, the vertical mounting difference of exactly 18mm (0.71") between tweeter and woofer must be retained with any cabinet design.

**MA30** Custom Made Speaker Kit • Entirely Made in Germany



Extended Baffle • Cabinet Drawing Available

### What About The Cabinet?

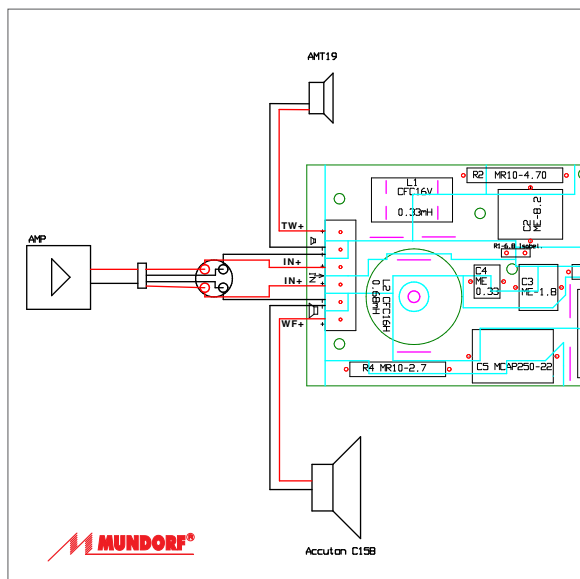
Its net-volume is 11.5l (0.5l for the X-over) for to match perfectly with the midwoofer's properties. By its aesthetics the shown cabinet drawing is only a suggestion, thus, except for the net-volume and its related port/chimney measurements one can design any different look but, again, for to ensure a proper response-time correction the vertical mounting difference of 18mm (0.71") must be retained with any cabinet design.



Extended Baffle for Response Time Correction

### Who Did The Engineering?

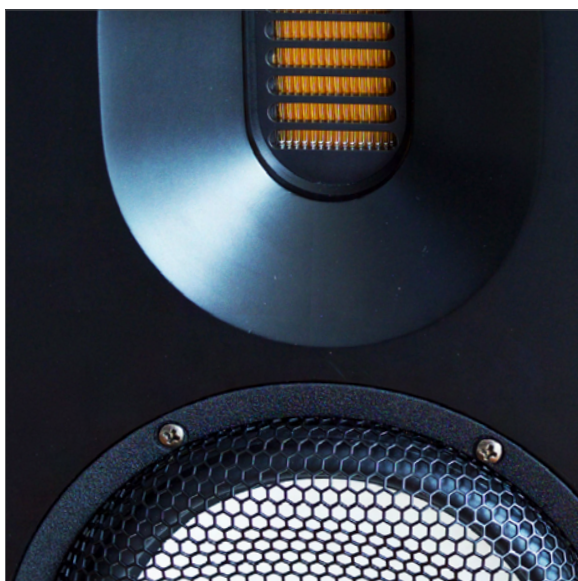
Of course, company Accuton's R&D department! They are utterly accustomed to match their drivers with Mundorf parts because Mundorf parts are Accuton's standard labor parts ever since. More importantly, the engineers really know their drivers inside out and better than anybody else in terms of the driver's given pros and cons. Hence, the Accuton people are the most skilled match-makers when it comes to Accuton Ceramic drivers.



Bi-Wiring/-Amping • MA30 Kit X-Over-Layout







Inverted Baffle for Response Time Correction

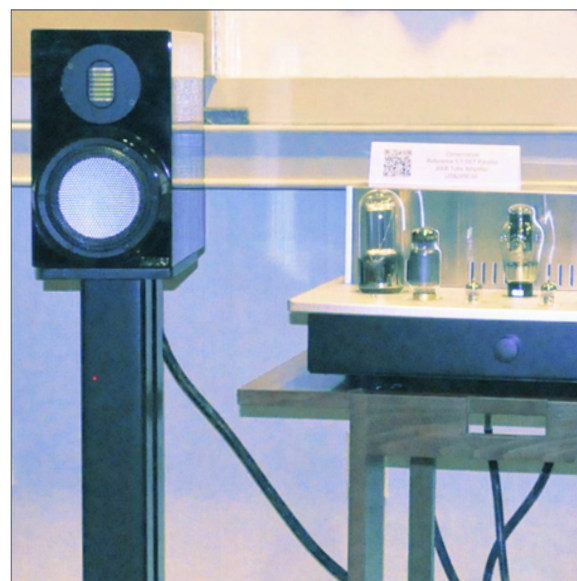
### How Does MA30 Perform?

Stunningly! MA30's performance surpasses its class-typical musicality and overall performance by far. Indeed, we at Mundorf company are very happy and satisfied with MA30's music performance. Most probably, at a comparable price it will be hard to find another speaker-kit or -system that possibly could provide MA30's convincingly neutral but lovely music performance. So, when the kit was eventually completed, both Mundorf's and Accuton's people were utmost satisfied.

### What's Also Worth Mentioning?

Amongst many others, also famous Danish company Gryphon introduced their Hi-End line of new Hi-End speakers at Munich's 2014 HighEnd exhibition, in which all models now come with Mundorf AMT high frequency drivers.

Moreover, we at Mundorf company feel very honored that world-renowned concert hall in London "Royal Albert Hall" in the year 2013 got a new permanent music system, that entirely carries Mundorf AMT tweeters.



Hi-Efficiency (91dB) for Single-Ended TubeAmps

### What About Efficiency?

No question, MA30 is a hi-efficient speaker and sensitive enough for to perfectly match single-ended tube amplifiers based on 300B or 845 tubes. Since MA30 can also take-in a lot of W-power, the number of suitable amps is theoretically limitless.

### What About Other Values?

We and our associates are absolutely sure that MA30 is a close-to-perfect speaker Kit in every respect! When we say "in every respect" we mean it. Aside its unchallenged music performance, there are also important other values to the MA30 Kit: All involved brand names stand for themselves and for their unquestioned innovative products. Moreover, they are renowned and acknowledged in High Performance audio not only for a couple of recent years but for 3 decades! Plus, all involved companies still manufacture entirely in Germany! Nonetheless, the MA30 Kit comes at a surprisingly reasonable price and, at an unchallenged value for money ratio respectively.

**MA30** Custom Made Speaker Kit • Entirely Made in Germany



MA30 Custom Made Speaker Kit • Parts

### Cabinets for MA30 Kits

Cabinets for MA30 Custom Made Speaker Kits are not directly available from Mundorf company. Instead, all cabinets as shown in this brochure or displayed in show rooms and Audio shows are perfectly made accordingly Accuton's cabinet development/instructions and, by a highly acknowledged industrial cabinet maker. Most MA30 Kit dealer do provide those, too! Regardless their very look, all cabinets come fitted with all required nuts (insert-type) in place, with an accurately sized and mounted port and, of course, with correctly portioned and placed damping material.



AMT19CM1.1 Rear • Entirely Handmade

### What it takes to install a MA30 Kit

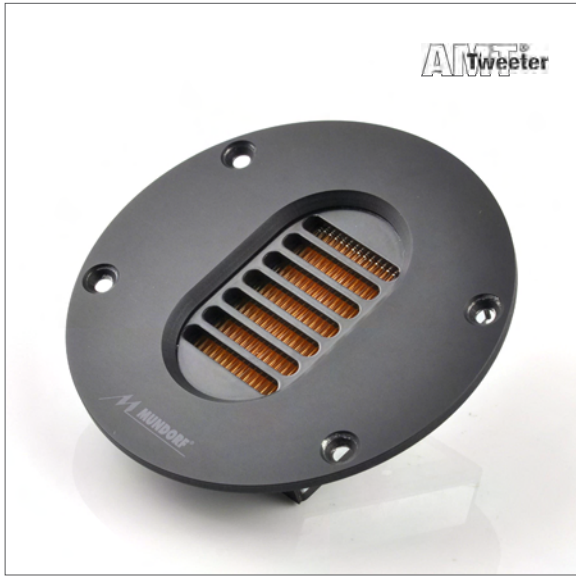
In fact, installing a MA30 Kit in one of the before mentioned cabinets is practically easier than assembling an IKEA sideboard. Neither a solder iron, nor a drilling machine is required. All it takes to install a Kit are 2 commonly used screw drivers and 90 minutes of your spare time. Why is it that easy? Because the cabinet and all MA30 parts perfectly match each other and, fit into place without any further treatment respectively. Still, if you absolutely don't want to be involved in installing the MA30 kit yourself, your dealer will not hesitate to deliver a perfectly assembled pair MA30 to you.

### What Comes Next?

A Mundorf-Accuton bass extension for underneath MA30's cabinet. Due to MA30's bi-wiring layout it then will become a true 3-way speaker which will perform from >30Hz up to <30kHz.

**MA30** Custom Made Speaker Kit • Entirely Made in Germany



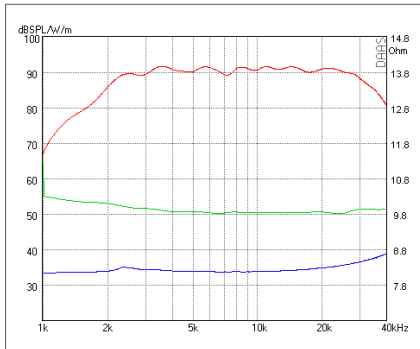


AMT19CM1.1 Front • Entirely Handmade

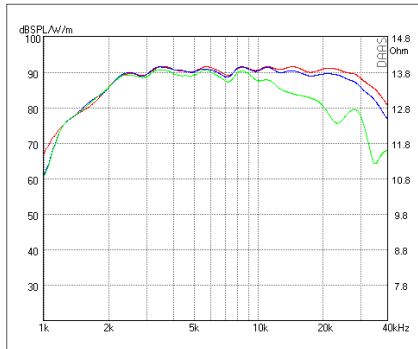
## AMT19CM1.1

RESISTANCE	NOMINAL 8 OHM			
Zo 8.4 OHM	•	Zmin 8.2 OHM	•	RE 8.1 OHM
SENSITIVITY @ 2.83 V	91 dB			
FREQUENCY RESPONSE / -6 dB	2000 Hz – 35 kHz			
POWER HANDLING	120 W			
RESONANCE FREQUENCY / FS	2300 Hz			
RECOMMENDED CROSSOVER / 6 dB	3100 Hz			
RECOMMENDED CROSSOVER / 12 dB	2800 Hz			
DISPERSION HORIZONTAL / 15 kHz / -6 dB	65°			
DIAPHRAGM AREA	1260 mm <sup>2</sup>			
MAGNET MATERIAL	NEODYMIUM			
FACE PLATE	3 mm Anodized Aluminum			
TOTAL WEIGHT	340 g			
FACE PLATE DIAM.	104 mm			

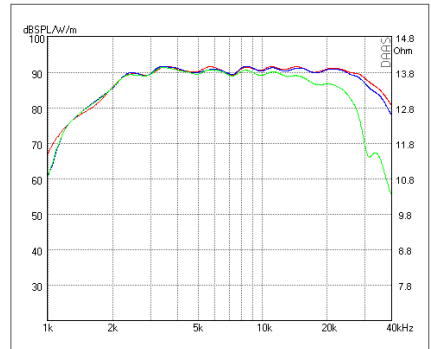
AMT19CM1.1 Specs and Data



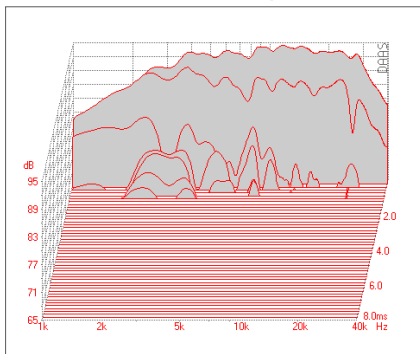
SPL 2.83 V - Phase - Impedance



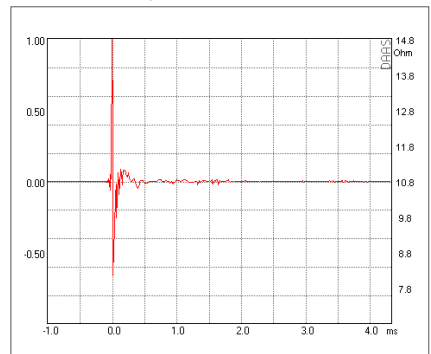
SPL Horizontally 0° - 15° - 30°



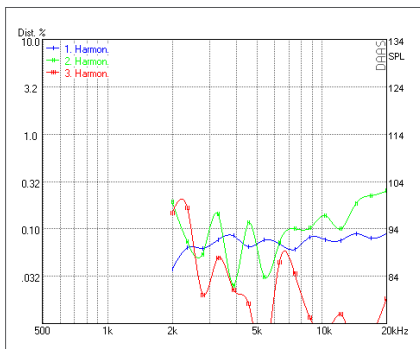
SPL Vertically 0° - 5° - 15°



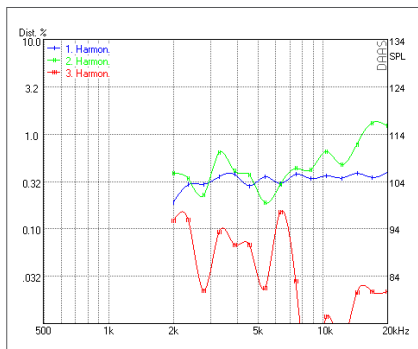
Waterfall



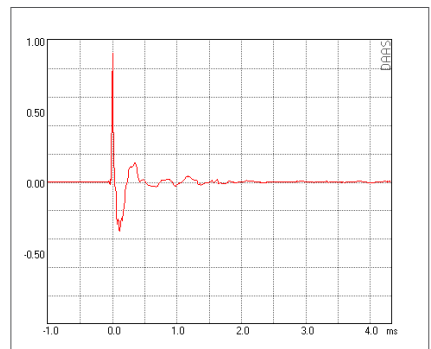
Impulse Response



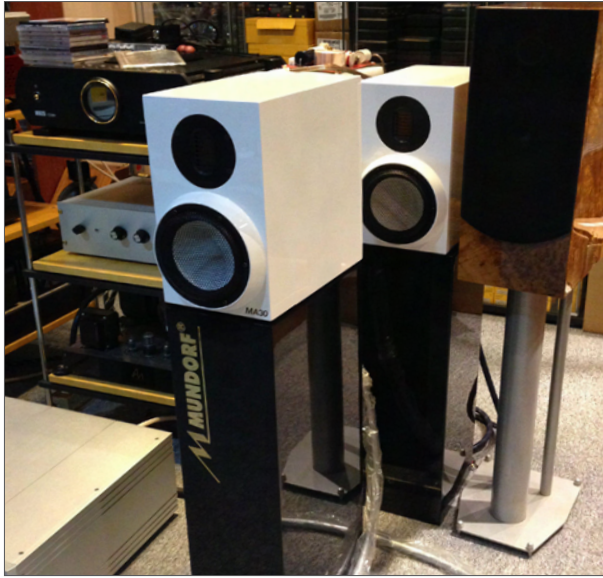
Harmonic Distortion 2.83 V



Harmonic Distortion 105 dB



Step Response





## In other words and some more...

It's a one-of-a-kind kit one can either buy in pre-chosen parts for easy DIY assembling or already completely assembled by MA30 resellers. On first sight, that might come as a surprise as Mundorf company is widely considered to be the trusted industry leader when it comes to audiophile building parts for both the audio industry and DIY enthusiasts.

But, when looking closer to it, MA30 appears perfectly fitting into Mundorf's port-folio, means, it is no contradiction to Mundorf's general product philosophy whatsoever. In fact, MA30 is a one-off Mundorf project:

For the time being, it's an excellent two-way bookshelf speaker kit that carries a Mundorf AMT tweeter of the latest development state, a sophisticated Mundorf X-over and a 6.5" ACCUTON Mid-Woofer. All that is assembled into a perfectly matching cabinet, strictly built to Accuton's engineering and X-over development.

As for the X-over, customers can choose from entry-level components up to our very best ones. In order to enable buyers to compare differently equipped X-overs, all X-overs come on equally sized, spacious circuit boards. They fit easily into the cabinets which provide convenient inserted nuts for an easy but solid fixation of all X-overs, drivers and accessories.

One can also easily exchange single X-over components (e.g. capacitors), be it for an up-grade any time later, or for an A to B comparison of building parts of both different quality or different brands.

Actually, that's how we in Mundorf develop new building parts: the final stage of development is all about intense rehearsal and listening comparisons - we can measure many very important parameters, and we do so, but the final adjustments are down to listening to music.

Indeed, those listening comparisons are the actual reason for our AMT tweeters. In the year 2005, we wanted to have our own tweeter for developing our parts. We ended up with the AMT principle since it proved to be the most appropriate one for our goal.

Amongst other principle related advantages, in particular, its incredible low harmonic distortion ratio makes it a magnifying glass for all critical acoustic phenomena. Also, to our taste, AMTs deliver the most wonderful but natural tweets. Apparently, we are not the only ones who love AMTs: Royal Albert Hall's (world famous concert hall in London, UK) new permanent music system does carry Mundorf AMTs.

So, in fact, with an MA30 the buyer gets a small but true replica of Mundorf's development tool directly out of Mundorf's listening room. And that's exactly what we wanted when we started thinking about something unique for our 30th. Anniversary. There won't be a successor any time soon (possibly, MA50 is next). Neither will Mundorf launch a further speaker system whatsoever.

However, as a 2nd. and final step of Mundorf's anniversary kit project there will be a MA30 bass extension available and, soon, that fits perfectly underneath MA30 and which will carry 2 real Accuton woofers of the newest generation.

That's why MA30's X-over layout is a genuine bi-wiring/bi-amping layout. The bass extension will carry an additional first rate X-over for to make the complete system a true 3-way system, whenever today's MA30 buyers want to do so, in the future. The complete set might be named MA30X for its extension. It is supposed to perform from >30Hz to <30kHz which is just another but serious challenge.

Estimated launch date: Spring 2016

## MA30 Custom Made Speaker Kit • Entirely Made in Germany



Absolutely The Best  
MCap Line of All Time.

# SUPREME EVO



**SUPREME EVO** SilverGold.Oil 3.9µF  
of Mundorf's all-new top line.

The all-new SUPREME EVO line capacitors unites all of Mundorf's advanced technological highlights invented to date. These MCaps incorporate two technologies only unique to Mundorf, the SUPREME and EVO winding technologies. In addition, the Top Tier model in this series also combines Mundorf's unique Silver Gold Metallization and Oil-Impregnation to the HQ PP-film dielectrics - unquestionable a true Audiophile Masterpiece!

So, Mundorf is extremely excited to introduce to you the all-new SUPREME EVO series in Aluminum, Aluminum Oil and Aluminum Silver Gold Oil in Canada und the US. Try them now and get ready for a new listening experience!

