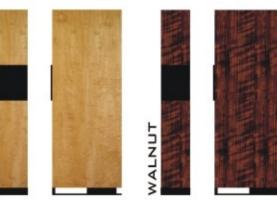




I PRESENT THE LATEST FLOORSTANDING LOUDSPEAKERS ACUHORN MANUFACTURE, ACUHORN NERO 125 IMPROVED AUDIO. THIS CONSTRUCTION INTRODUCES A COMPLETE REENGINEERING OF THE MODEL RECOGNIZED WITH THE AWARD OF THE YEAR 2004 HIGHFIDELITY, ENJOYED BY EDITORS AND CUSTOMERS. NOW IN A VERSION OF THE BEST SIGNAL PATH NAMED 'IMPROVED AUDIO', MEANING LITERALLY. NOW YOUR SIGNAL FROM AN AUDIO SOURCE WILL REACH DIRECTLY THE MEMBRANE OF A NEW NEODYMIUM DRIVER AFTER PASSING THROUGH THE NEWEST AND THE BEST SILVER TERMINALS NEXTGEN WBT-0710 AG AND ONE METER OF AN INTERNAL SILVER CABLE SILTECH GG. THE MEMBRANE WILL VIBRATE AS SET IN THE ALUMINIUM MAT FOUNDATION OF THE DRIVER. AND THE SOUND WILL FORM, PROPAGATE INTO TRULY WOODEN TWO ACCUSTIC CHAMBERS ACUHORN TYPE. LOUDSPEAKERS ARE MOUNTED ON ALUMINIUM BLACK ANODIZED BASES NECESSARY FOR A PRECISE PROJECTION OF THE SOUNDSTAGE, POSITIONING ON A HARD FLOOR OR A HEAVY, STONE PLATE IS RECOMMENDED. THE SMALLEST NUMBER OF ELEMENTS IN AN AUDIO PATH WERE SELECTED AT THEIR BEST DURING DESIGN AND MANUFACTURE STAGES. THE PURIST INTEGRAL CONCEPT, ALL THE WAY THROUGH THE SIGNAL PATH. WITHOUT AN ELECTRONIC PARTS CROSSOVER, INSTEAD, WITH A GENUINE ACUHORN ACOUSTIC AIR CROSSOVER CONCEPT.

FINISH VENEERS

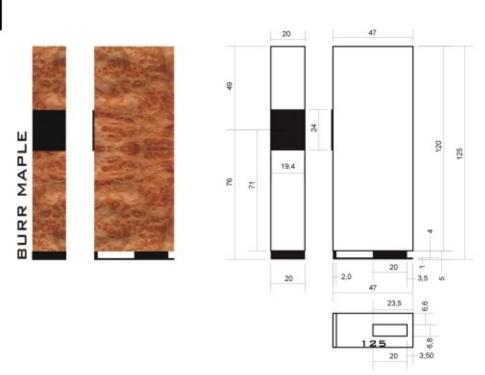




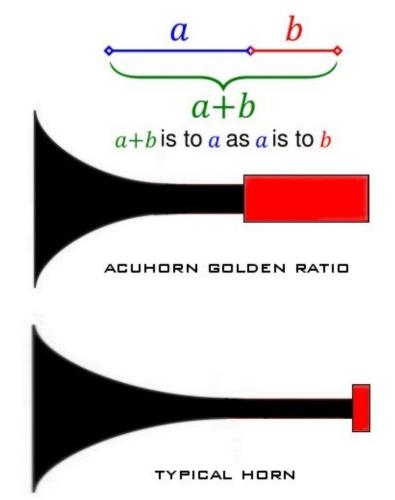
NATURAL VENEERS IN TWO PROPOSALS OF A MODERN LINE LIGHT BAMBOO AND DARK WEGNE, AND OF A CLASSICAL LINE CURLY MAPLE AND CLASSIC WALNUT. IT CREATES A TONALLY BALANCED COLOUR PALETTE TO SUIT YOUR TASTE AND LIVING INTERIOR. ON SPECIAL OCCASIONS THERE ARE CUSTOMIZED OUTSTANDING PATTERNS OF BURR MAPLE, STRIPPED EBONY, BIRD EYE MAPLE, AMBER CHERRY, ACCOMPANIED BY THE BLACK ANODIZED ALUMINIUM THAT HIGHLIGHTS THE NATURAL TONALITY OF WOOD OFFERING A HARMONY OF PROPORTIONS AND STYLE.

ACUHORN NERO 125 LOUDSPEAKERS ARE OFFERED IN

CONSTRUCTION OUTER DIMENSIONS



THE CONSTRUCTION OF THE 125 LOUDSPEAKER IS OF FULL WOOD OF DECIDUOUS TREES FORMED IN A PRESS FROM NINE 1/10 INCH THICK SHEETS OF WOOD. THEY ARE GUT FROM A TREE TRUNK WITHOUT DISTURBING ITS NATURAL INTERNAL STRUCTURE THAT IS RESPONSIBLE FOR THE PROPAGATION OF WAVES TRANSPORTED THROUGH WOOD, SO ACOUSTIC INSTRUMENTS. THE ACUHORN FAMILIAR THE ACOUSTIC AIR SOLUTION OF CROSSOVER AND CHARACTERISTICS OF THE PROPAGATION OF WAVES IN SUCH SELECTED WOOD WORK AND PROCESS SOUND IN OUR CONSTRUCTIONS. THUS WE CANNOT AND WE DO NOT APPLY ANY TYPE OF DAMPING AT ALL, EITHER INSIDE OR OUTSIDE ENCLOSURES. THE BETTER PROCESSING OF WOOD, THE BETTER SOUND WE RECEIVE. IN TYPICAL PLYWOODS FROM THIN WOODEN LEAVES THAT ARE SOFTENED PRODUCTION PROCESS WE LOSE ALL THE SOUND EFFECT AND ARE LEFT WITH SIMPLY THE CONSTRUCTION MATERIAL. NOTHING IS HEARD AS WELL IN AN ACQUISTIC LOUDSPEAKER AS THE TYPE AND QUALITY OF USED WOOD. ALL DIMENSIONS AND PROPORTIONS ARE SUBORDINATED TO SUITABLE DESIGN AND REQUIRED VOLUME.

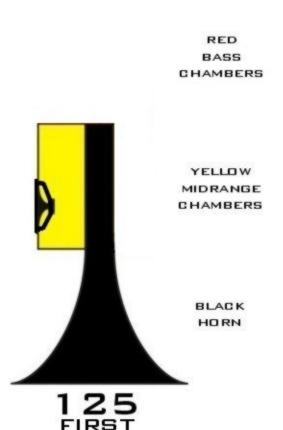


INTRODUCES AN ORIGINALLY DEVELOPED GENUINE SOLUTION OF SOUND PROCESSING. IT CONSISTS NOT IN CREATING SOLELY LOW FREQUENCIES, BUT ALSO THE MIDRANGE. BREAKING AN ACCUSTIC WAVE AT A GOLDEN RATIO BETWEEN THE SEGMENTS OF A SOURCE OF SIGNAL AND A GAP AND A HORN MOUTH. THE ENCYCLOPEDIC DESCRIPTION. THE GOLDEN RATIO FUNCTIONS IN MATHEMATICS AND THE ARTS. THERE ARE TWO QUANTITIES IN THE GOLDEN RATIO, AND THE RATIO BETWEEN THE SUM OF THOSE QUANTITIES AND THE LARGER ONE IS THE SAME AS THE RATIO BETWEEN THE LARGER ONE AND THE SMALLER. THE GOLDEN RATIO IS A MATHEMATICAL CONSTANT, APPROXIMATELY 1.6180339887. THIS ACUHORN PROPRIETARY PRINCIPLE BUILDS A BALANCE BETWEEN AN UPPER AND LOWER MIDRANGE. IN ACCORDANCE WITH ACCUSTICS THE PROPORTION BETWEEN A LENGTH AND A VOLUME OF AN INITIAL CHAMBER RESULTS IN REQUIRED LOW FREQUENCIES. THIS PRINCIPLE WAS REALIZED IN THREE TONALITIES SECCO 145 FOR PRECISION, NERO 125 FOR BASS AND ROSSO 135 IN BETWEEN.

FROM THE FIRST DESIGN OF SECCO145 IN 2003 ACUHORN

HORN

TYPICAL

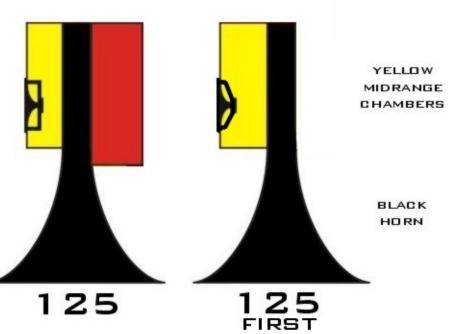


FIRST 125 WAS AN ANTITHESIS TO WHAT WAS OFFERED WITH A SINGLE DRIVER BEFORE. A TYPICAL HORN HAD A SMALL 5-LITER INITIAL CHAMBER, OR NONE AT ALL. IT POSSESSED A LONG HORN RESULTING FROM A NEED TO ACHIEVE LOW FREQUENCIES IT NEVER ACTUALLY REACHED. A PROGRESS IN EVER HIGHER EFFICIENCY OF DRIVERS MORE AND MORE DETACHED THOSE CONSTRUCTIONS FROM A BALANCE IN RELATION BASS AND MIDRANGE. THEY GAINED A DETAIL OF AN UPPER MIDRANGE AND A HIGHER VOLUME LEVEL. AND AN EXCESSIVE EFFICIENCY MORE AND MORE VISUALIZED SHORTCOMINGS AND RESONANCES OF A MEMBRANE DESIGN. THE QUALITY OF ACUHORN IS A NEW DESIGN OF AN ENGINE OF

A DRIVER, PRECISION OF MAKING AND AN INCREASE OF

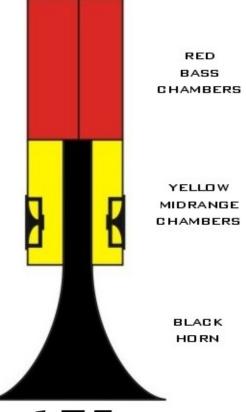
DETAILS THANKS TO DENSITY OF NEODYMIUM MAGNETS N50.





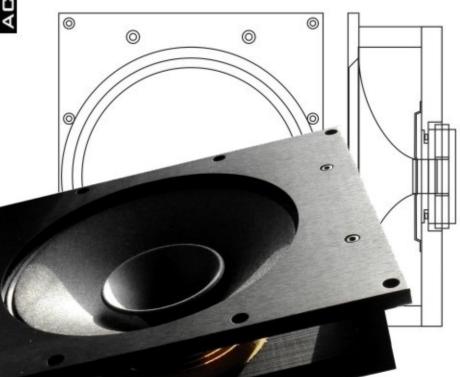
OF A WAVE AT MIDRANGE, NOR RESULTS IN THE SLOWING DOWN OF SOUND THAT OCCURS IN CONSTRUCTIONS WITH TOO BIG ENCLOSURES. A MIDRANGE CHAMBER MAINTAINS A FAST RESPONSE AND CREATES BEHAVIOR OF A COURSE OF A WAVE CURVE, ITS FORMATION. THE ACUHORN GOLDEN RATIO METHOD WAS ALSO MAINTAINED. IN ORDER TO ACHIEVE A DESIRED RESULT OF LOW FREQUENCIES IN THE FIRST 125 AN INITIAL CHAMBER WAS MUCH ENLARGED OFFERING A POSSIBILITY OF APPROPRIATE SHAPING OF A WAVE. THE SOUND OF NERO WAS HEAVY AND DARK IN MIDRANGE, AS COMPARED WITH SECCO AND ROSSO. NOW THE NEW NERO KEEPS ITS CHARACTER WITH EVER BETTER BASS AND PRECISION.

A NEW BASS CHAMBER DOES NOT INFLUENCE THE BEHAVIOR



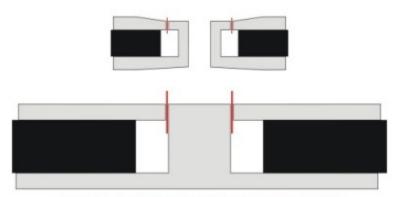
THE NEW NERO 125 RECEIVED A NEW MODE OF WAVE CREATION FROM ITS OLDER SISTER ROSSO SUPERIORE 175. AT THE DRAWING I PRESENT TWO CONCEPTS OF AN APPLICATION OF BASS CHAMBERS IN TWO CONSTRUCTIONS, SINGLE DRIVER 125 AND DOUBLE DRIVER 175 (DIPOLE). EACH DRIVER HAS ITS MIDRANGE CHAMBER AND AN INDEPENDENT LARGE BASS CHAMBER. THESE ARE NOT THE SAME SOLUTIONS, YET THERE IS A JOINT METHOD. IN THE LATEST DESIGN OF 125 THE FORMATION OF AN INDIVIDUAL PERFORMANCE, OF TUNING WERE SUBORDINATED TO OTHER CRITERIA CONTAINED IN AN ENCLOSURE OF 8x19x49 INCH.

CNC CUT ALUMINIUM FULL HEAVY DRIVER BODY



TO ACHIEVE A SUBSTANTIAL IMPROVEMENT OF SOUND THROUGH THE APPLICATION OF THE LATEST NEODYMIUM MAGNETS IT WAS NECESSARY TO DESIGN A PROPER FOUNDATION FOR THE PRECISE PERFORMANCE OF A VOICE COIL IN A GAP. A STRONG RIGID CONSTRUCTION MADE WITH FULL ALUMINIUM MET THOSE EXPECTATIONS. IT ADVANTAGEOUSLY INFLUENCED THE WHOLE FREQUENCY RANGE. IT OFFERED MOST ADVANTAGES FREQUENCIES. THIS HIGH FREQUENCIES RANGE HAS NEVER BEEN SO PRECISE AND WITH INCREASED VOLUME, AS IT IS NOW. THIS IS NOT A PEAK IN AN AREA OF 10KHZ BY A MEMBRANE RESONANCE BUT INSTEAD A FULL RANGE OF TWO OCTAVES AREA OF UPGRADED PRECISION OF PERFORMANCE. AS FAR AS A VOLUME INCREASE IS CONCERNED, IT IS 6DB MORE AS COMPARED WITH A PREVIOUS DRIVER FROM 12KHz UPWARDS. WITH ALL THOSE ADVANTAGES THE DRIVER FEATURES NO RESONANCES OR SWISHES THAT COULD

NEODYMIUM ENGINE PRECISION CUT PROFILE

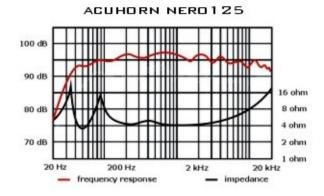


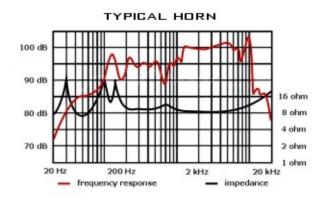
EQUIVALENT NORMAL ENGINE FERRITE 150MM



THE APPLICATION OF NEODYMIUM MAGNETS OFFERS A JUMP OF A SIX TIMES INCREASE OF THICKNESS OF ENERGY (BH) 200 kJ/m3 AND REMANENCE (BR) 11 kGs, as compared WITH PREVIOUSLY POPULAR FERRITE MAGNETS OF 30 KJ/M3 AND 4 KGS, RESPECTIVELY. AND AN APPLICATION OF BLOCK NEODYMIUM MAGNETS N50 INCREASED THOSE VALUES TWO TIMES STILL, TO 400 KJ/M3 AND 14,5 KGs. RING NEODYMIUM MAGNETS APPEAR UP TO A VALUE OF N38 WHICH IS 300 KJ/M3 AND 12,5 KGs. EACH DOUBLING OF THIS VALUE WITH A STRUCTURE AND NOT WITH THE SIZE OF MAGNET APPLIED IN A DRIVER IS HEARD AS MOVING ONE STEP UP IN A CLASS OF AUDIO EQUIPMENT. THE SPOT WHERE A MAGNET IS LOCATED IN AN ENGINE WITH RELATION TO A VOICE COIL IS OF KEY IMPORTANCE IN TRANSFERRING ENERGY IN A THICK MODE, BUT FIRST AND FOREMOST IT IS THE NON INTRODUCTION OF MUTUALLY DISTURBING "LINES OF MAGNETIC STREAM". QUANTITY AND POSITIONING OF MAGNET BLOCKS CAN INTRODUCE A SUBJECTIVE NERVOUSNESS, UNTIDINESS OR, INSTEAD, PRESENT CLARITY AND PRECISION OF AUDIO PRESENTATION. THE ACUHORN TRINITY POSITIONING MODE OF NEODYMIUM MAGNETS RESULTS IN OPTIMUM PERFORMANCE.

FREQUENCY RESPONSE

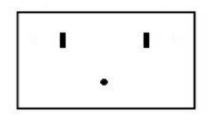


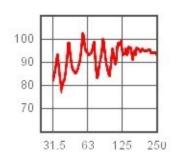


THE OBJECTIVE OF THE PROJECT OF NEW NERO125 WAS GAINING ANOTHER BALANCED CHARACTERISTICS FREQUENCY RESPONSE (SEE RED LINE AT THE GRAPH), AS COMPARED WITH TYPICAL ACOUSTIC APPLICATIONS. IT WAS NECESSARY TO LIPGRADE THE EFFICIENCY OF PROCESSING OF EDGE HIGH FREQUENCIES THAT THE DRIVER IS RESPONSIBLE FOR THANKS TO AN APPLICATION OF A NEW ENGINE AND AN ALUMINIUM ACUHORN MAT FOUNDATION. AND OF LOW FREQUENCIES FOR WHICH TO A SUBSTANTIAL EXTENT AN ACOUSTIC WOODEN CABINET IS RESPONSIBLE. IN ORDER TO DO THAT, THE REENGINEERING OF THE 125 DESIGN WAS REQUIRED. IT IS CLEAR FROM ENCLOSED GRAPHS HOW MUCH EFFICIENCY OF REPRODUCTION WAS MISSING, SUDDEN FALL BY -1008 BELOW 100Hz AND SIMILARLY WITH HIGH FREQUENCIES ABOVE 10KHZ -10DB OR MORE, USUALLY. NOW, CREATING OF AN ACOUSTIC WAVE WAS GRANTED AN ADDITIONAL BASS CHAMBER, SUPPORTING POWER.

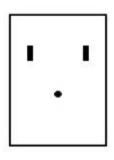
POSITIONING

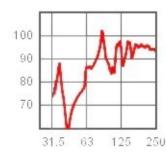
ACUHORN NERO 125





ALTERNATIVE POSITIONING





CLASSIC POSITIONING

TO ACHIEVE A DESIRED FINAL OUTCOME IT IS NECESSARY TO PREPARE A LISTENING ROOM. MORE DAMPED ROOM IS BETTER THAN A SHARP ONE, WITH LONG REVERBERATION OF SOUND. USING A SUPPORT OF AN ACOUSTICS EXPERT AND ADJUSTING THE ROOM AT SENSITIVE FREQUENCY LEVELS MAY BE HELPFUL. STILL, IT IS ALWAYS NECESSARY TO TAKE CARE OF POSITIONING OF LOUDSPEAKERS IN A ROOM. THE VERY LOUDSPEAKERS PERFORM WITHOUT THE SETUP, REMOVED FROM A PACKAGE AND PLUGGED TO A SYSTEM. THEY DO NOT REQUIRE SPECIAL MEASURES, OTHER THAN THE REST OF LOUDSPEAKERS, HAVE A LOOK AT A DRAWING WHAT COULD BE THE DIFFERENCES FOR EACH LOUDSPEAKER DEPENDING ON ITS POSITIONING IN A ROOM, LOUDSPEAKERS CAN BE POSITIONED VERY CLOSE 6.5 FEET FROM EACH OTHER, IN THE MIDDLE OF THE ROOM FOR AIRY AND SPATIAL PERFORMANCE. OR, WHEN WE MOVE THEM FROM THAT CLASSIC POSITIONING CLOSER TO THEIR BACK WALL WE RECEIVE MORE BASS AND SOUNDSTAGE MOVES FROM BEHIND LOCATION FORWARD AND TO THE SIDES. ANOTHER MODE OF POSITIONING AT A LINE OF 3 OF A ROOM AND CLOSER TO THEIR SIDE WALLS FOR A SUBSTANTIAL FOCUS OF SOUND IN THE CENTRE AND STABILE SOUNDSTAGE. LOUDSPEAKERS ARE ALWAYS POSITIONED PARALLEL, WITHOUT TOEING THEM IN.







PARTS CROSSOVER WE CONNECT BINDING POSTS WITH SPEAKER'S DRIVERS WITH FINE INTERNAL SILVER CABLE SILTECH G6. NOW YOU ENCOUNTER ABSOLUTE PURIST SOLUTION WHERE YOUR OWN SPEAKER'S CABLES WILL BE INFLUENCING FINAL PERFORMANCE AS NEVER BEFORE. A FEW WORDS ABOUT SILTECH CABLES: "THE SIGNATURE SERIES REPRESENTS OUR ABSOLUTE STATE-OF-THE-ART. YOU CAN FIND ALL THE LATEST TECHNOLOGY IN METALLURGY, INSULATION MATERIALS AND CONSTRUCTION TECHNIQUES IN EVERY SIGNATURE CABLE, SILTECH USES SILVER AND GOLD METALLURGY FOR IT'S CABLES, TO OPTIMIZE THE CRYSTALLINE STRUCTURE AND REDUCE AUDIBLE DISTORTIONS TO NEAR ZERO. SILTECH HAS OBJECTIVELY THE LOWEST MEASURED DISTORTION OF ANY BRAND. THE RESULT OF 20 YEARS OF RESEARCH, THIS IS TRANSLATED INTO MUSIC REPRODUCTION WITH THE HIGHEST LEVEL OF SUBJECTIVE PERFORMANCE. NOW AVAILABLE IN G6 VERSION, YOU WILL ENJOY LISTENING AGAIN LIKE NEVER BEFORE."

IN ACUHORN NERO 125 CONCEPT WITHOUT AN ELECTRICAL



IN ACUHORN NERO 125 CONCEPT OF AN ABSOLUTE PURIST SOLUTION WE SELECTED VERY INTERESTING NEW PRODUCT OF WBT: "NEXTGEN™ A NEW GENERATION OF CONNECTORS FROM WBTPOLE TERMINAL WITH SILVER SIGNAL CONDUCTOR, IN SILVER FINISH. THANKS TO THE SEPARATION OF SIGNAL TRANSMISSION AND MECHANICAL STABILITY, IT IS NOW POSSIBLE TO USE OPTIMUM MATERIALS FOR THE FIRST TIME. SIGNALS ARE TRANSMITTED USING HIGH-PURITY SILVER, THE BEST ELECTRICAL CONDUCTOR. SILVER HAS SEVERE MECHANICAL LIMITATIONS, HOWEVER, AND ITS USE IS ONLY PERMITTED BY AN INGENIOUS COMBINATION WITH HIGH-PERFORMANCE PLASTICS. THE SILVER SURFACE IS NEUTRALIZED TO PREVENT OXIDATION."

WBT-0710 AG SIGNAL CONDUCTOR MADE OF HIGH-PURITY SILVER

CASING MADE OF GLASS FIBER AND MINERAL REINFORCED PLASTIC

SURFACE PROTECTION BY MEANS OF SURFACE PASSIVATION MAX. CONSTANT CURRENT 30 A, PEAK CURRENT 200 A TWIST-PROOF MOUNTING

PUZZLE PLATE SYSTEM

CE AND IEC COMPLIANT

ACUHORN

KARTUSKA 245

GDANSK 80-125

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