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the VARIO'S®

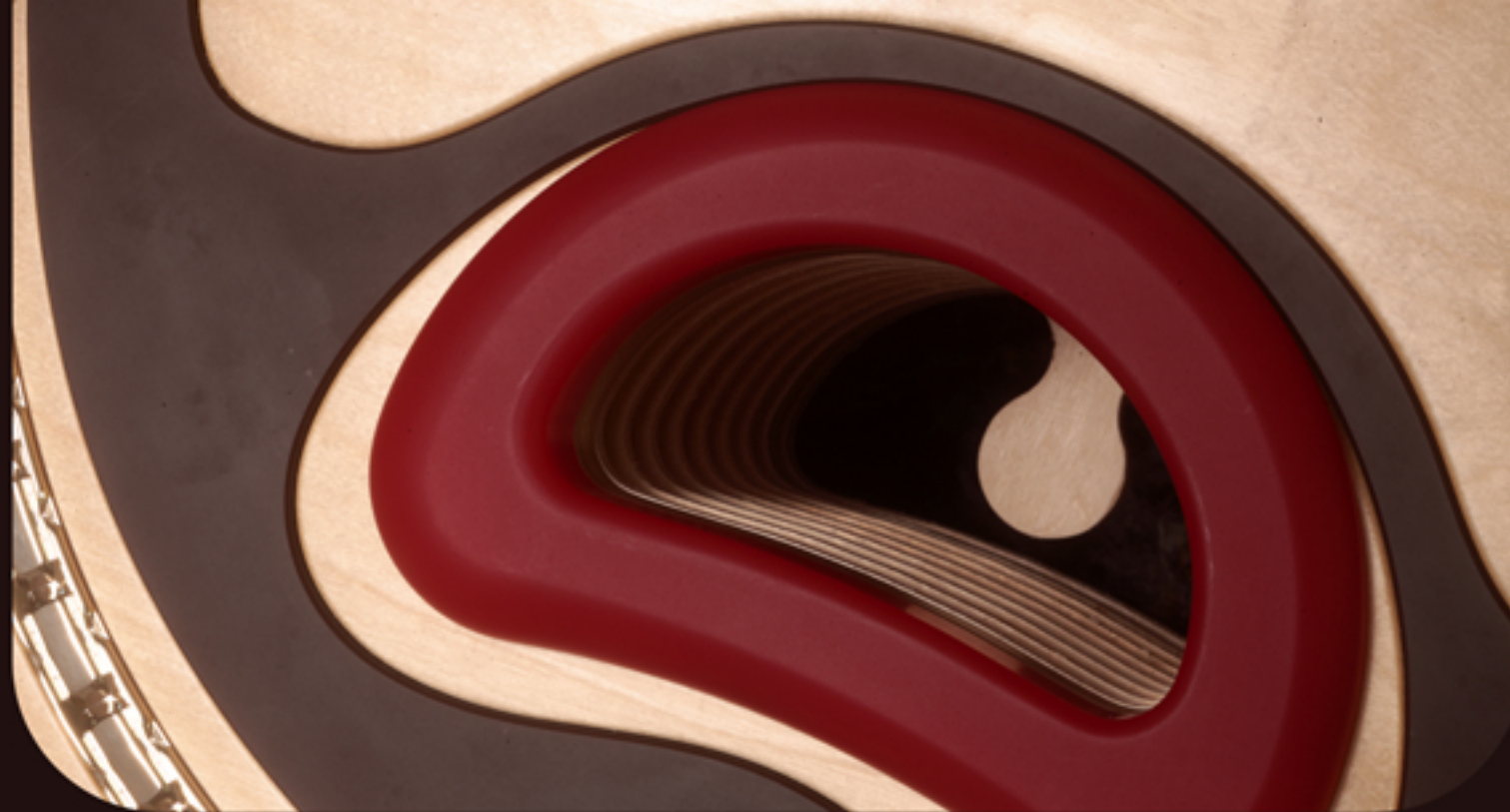


Angelo

unconventional speakers



Reflex echo field backside emission



A 2,5 way loudspeaker, 4 drivers, bass reflex loading with exclusively designed conduits



Manufactured entirely by CNC machines of the latest generation, the cabinet is totally made out of birch plywood layers glued together producing an externally refined cabinet as well as its internal configuration and accord conduits.



LOW FREQUENCY

Band-pass system of the 6th acoustic order, double reflex mechanical gain adjustment through modular components which extend conduits.

- Woofer Ø 12", 8 Ω
- 5.1" Large Hexatech™ Aluminum voice coil (130mm)
- Nominal Power Handling (DIN): 800W
- Transient Power 10ms: 3.000W
- Uniflow™ Aluminum diecast chassis
- High flux double Ferrite magnet system
- Accucenter™ self centering cone assembly
- PFS™ Progression Field Symmetry



MEDIUM-LOW FREQUENCY

A frequency range from 120 Hz to 1800 Hz reproduced by a 160 mm speaker with a carbon fibre cone, placed in a separate volume, bass reflex loading, with a double conduit facing the cabinet's backside.

- Woofer Ø 6", 6 Ω
- Voice Coil Diameter: 75mm
- Nominal Power Handling (DIN): 150w
- Transient Power 10ms: 1000W
- Carbon fiber/Rohacell/Carbon fiber composite sandwich cone
- Uniflow™ Aluminum diecast chassis
- Hybrid™ Neodymium/Ferrite magnet
- 3" Large Hexatech™ Aluminum voice coil



HIGH FREQUENCY

Backside emission in function of "ambience" through a soft dome tweeter unit fixed in place in a separate cavity and loaded with an asymmetrical emission short horn. Frequency range beyond 8 KHz.

- Tweeter Ø 1,73", 8 Ω
- Large diameter voice coil: 28mm
- Nominal Power Handling (DIN): 80W
- Transient Power 10ms: 500W
- Powerful Neodymium magnet system
- Ferro fluid cooled
- High power handling



HIGH FREQUENCY

The frequency range beyond 1800 Hz is reproduced by an Acuflex™ soft dome tweeter

- Tweeter Ø 1,73", 8 Ω
- Voice Coil Diameter: 28mm
- Nominal Power Handling (DIN): 120W
- Transient Power 10ms: 1000W
- 72mm IDR™ Improved Dispersion Recess aluminum face plate
- Large Hexatech™ aluminum voice coil
- Double Neodymium magnet system
- Ferro fluid cooled



CROSSOVER NETWORK

4 section Frequency dividing network:

- low-pass of the 2nd electrical order cutoff frequency 120 Hz;
- asymmetrical band-pass of 1st /2nd electrical order performance frequency 120-1800 Hz;
- high-pass front tweeter of 2nd electrical order working frequency 1800 Hz;
- high-pass rear tweeter of 1st electrical order working frequency 8 KHz.

Max. impedance 11 ohm – min. 4 ohm – nominal 8 ohm.

Max. phase displacement 22° at 12 KHz.

