State of the art, sonic and visual masterpiece, combining the design of the latest audio engineering features by Margules and the renowned artist, Gabriel Macotela.

The Macotela integrated amplifier came into reality as a result of a long relation between Julian Margules and Gabriel Macotela. It began when Gabriel bought the first audio unit produced by Julian Margules, since then, they have been friends and have grown as leaders together in their own field.

The Macotela by Margules is a very unique, Signature & Limited Edition for audio enthusiasts and art collectors consisting of only 20 numbered pieces.

Gabriel Biography
Guadalajara, Jalisco. 1954

One of the most important plastic artists in Mexico but Gabriel is a musician by passion.

He belongs to the generation of rupture (contrary to the nationalistic current of Rivera, Siqueiros, and Orozco), that incorporates more cosmopolitan values, abstract and apolitical works.

He studied at the School of Painting and Sculpture the Emerald of the INBA (Instituto Nacional de Bellas Artes). He completed his studies at the National School of Plastic Arts of the UNAM, in the workshop of master, Gilberto Aveces Navarro. In 1977 he founded Ediciones Cocina and in 1985 the library the Archivist.

He has participated in numerous exhibitions in Mexico and abroad, both painting and sculpture, as well as in artistic books in places such as France, India, Cuba, Brazil, United States, Germany and Spain.

In 1980 he won the acquisition award of the II Salon annual painting of the INBA, and honorable mention in the first biennial of Cuenca, Ecuador. In 1993 he was awarded at the competition “Toy art-object” in the José Luis Cuevas Museum, Mexico, D.F.

Gabriel Statement
Macotela conceives the artistic expression as a privileged means to communicate emotions, ideas and feelings. Macotela art represents one of the most lucid and bright moments in the current painting.

Reviews
- Audio Nirvana

www.margules.com
Margules Technology:

Preamplifier:
The Macotela Preamplifier section has very low output impedance, designed to drive optimally any amplifier regardless if is solid state or tubes. The Preamp's wide and stable frequency response is maintained even with long cable runs, without softening or loss of detail which would normally be expected. The Macotela Preamplifier section circuitry is designed to “strap” the input and output stage avoiding the use of negative feedback. The result is, load stability with precision, speed and dramatic transient response that gives a natural sound with reach detailed harmonics.

Shunt Power supply and filament active damping.
The Macotela small signal is powered by a SHUNT power supply. Shunt technology provides a dramatic improvement in Q damping, a key factor in overall performance, including smoother transient response and astonishing staging. Further improvements take place in quickness, macro and micro dynamics, which make a life-like listening experience. Our new Power Supply is virtually indestructible due to specially designed regulation technology that protects it from major tube failures. The fi-lament supply is fully regulated and has an active damping control to minimize hum and microphonic effects of the tubes. The power supply is in a separate chamber within the chassis of the preamplifier to avoid noise induction.

Remote control
Besides its IR remote control, the unit has RS232 connection to be controlled by any automation system or our web server. All the functions of the Macotela are discreet, including the ON and OFF function. The Macotela advanced design is complemented by the use of premium components.

Amplifier:

Class-A Output Stage & Active-Servo Bias
Vacuum tube power amps with class-A outputs are rare. Class-A operation causes the tubes to run quite hot, and increases the chance of saturating the output transformer. Margules has resolved this problem by incorporating a redesigned Active Servo Bias 12 generation, with a faster and precise bias setting. The active servo bias actively tracks the input and output signal, allowing running in a full class-A output at any level or mode, without overdriving the tubes and transformers. Active Servo Bias also sets DC bias and AC drive levels, assuring optimum electrical and sonic performance throughout the lifespan of the output tubes, no drive or bias adjustments are ever needed. New tubes can be installed without test equipment or time-consuming setup. Active Servo Bias also makes possible to use a variety of output tubes. The 6550, KT88, KT99, KT100, KT 120 can be interchanged without modification. Active Servo Bias is implemented with semiconductors, which are designed for the aerospace industry, assuring long, trouble-free operation. The Macotela includes a differential output circuit, for reduction of common mode distortion, THD.

Ultralinear / Triode
Audiophiles have argued the merits of Ultralinear v Triode operation for 50 years.

Triode
operation provides lower distortion in the odd harmonics, at the price of reduced power output.
The U280-SC resolves this predicament by providing switchable Triode / Ultralinear operation.

For those listening sessions where you prefer a softer sound, you simply switch to Triode Mode. And when more power and punch is needed, you simply switch to Ultralinear Mode.

Damping is critical to overall performance including smoother transient response and overall staging. Further improvements in quickness, dynamics and the overall life-like listening experience result...

The Macotela Power Supply is virtually indestructible due to specially designed regulation technology that protects the amp from major tube failures.

**Zero Feedback**

The Macotela does not use negative feedback as do most tube amplifiers. Negative feedback results in a loss of detail and sound richness. Margules has developed the BEFS (Back Electromotive Force Sensor), which changes the amplifier's output impedance per load requirement. BEFS along with the active servo allows the amplifier to drive difficult speaker loads with exceptional efficiency, dynamics and extended controlled bass.

The Macotela is complemented with an epoxy pc boards lay out, military grade potentiometers, precision metal-film resistors and audio grade interstage capacitors.

The PC board is silver-plated for maximum conductivity. Precision resistors, and premium audio grade capacitors.

The Macotela is clean and effortless-sounding that it brings out the best in any power amplifier.

www.margules.com