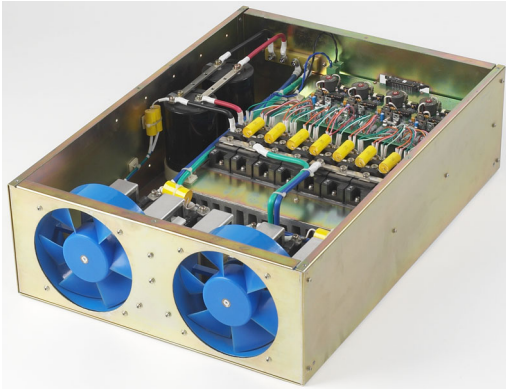




## SWITCHING AMPLIFIERS with IGBT technology

All DYNAMIC SOLUTIONS shaker systems are supplied with highly efficient digital switching power amplifiers. Our SA amplifiers use name brand top quality components and the latest in design engineering to guarantee you a system that is built to operate efficiently and reliably for years to come.



DYNAMIC SOLUTIONS Amplifiers use insulated-gate bipolar transistors (IGBT), which are a workhorse of a semiconductor. Capable of blocking extremely high voltages and conducting high currents with low losses, it is the switching element of choice for rugged applications where

component failure is not allowable. IGBTs provide substantial advantages in terms of peak current ratings – this translates directly into reliability especially for random and shock test applications.

It will substantially outperform the nearest equivalent MOSFETs on the basis of:

- ❑ Silicon efficiency
- ❑ Thermal characteristics
- ❑ Power-conversion efficiency:  
25% less than a MOSFET design
- ❑ Peak current carrying capability:  
5 to 1 versus 3 to 1 on MOSFET's
- ❑ Higher switching frequency
- ❑ State-of- the-art components versus 1980's technology
- ❑ Reduced waveform distortion
- ❑ Reliability

**DYNAMIC SOLUTIONS Amplifiers can also be purchased separately to replace other manufacturer's older generation AB, C and MOSFET style D class Amplifiers.**

And of course, all DYNAMIC SOLUTIONS amplifiers are backed by our signature **THREE YEAR PARTS warranty.**

