



Corporate Profile

Sound Design Technologies Ltd. is a leading designer and manufacturer of ultra-low power semiconductor solutions, algorithms and software infrastructure for hearing instruments, portable battery powered DSP applications, and a contract manufacturing services provider offering a differentiated set of unique manufacturing capabilities for the microelectronics industry.

Founded in 2007 via the acquisition of Gennum Corporation's Audio Division and Manufacturing Operations, Sound Design Technologies Ltd. is headquartered in Burlington, Ontario, Canada with additional design, research and development offices in Ottawa, Ontario, Canada.

SDT is registered to the ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 international Quality, Environmental and Occupational Health and Safety standards. The company is also committed to comply with global environmental initiatives and offers "Lead-Free" and "Green" product versions for all its markets.

Fast Facts

- Mr. Ian Roane, President and CEO
- Headquartered in Burlington, Ontario Canada
- Founded in 2007 via acquisition of Gennum's Audio and Manufacturing
- Employs approximately 160 people
- Supports both "fabbed" and "fabless" manufacturing models

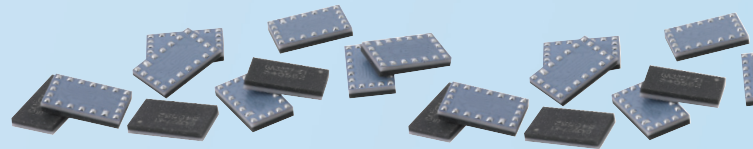
Markets We Serve

Hearing Aid Components

Capitalizing on our audio and acoustic expertise, we provide a broad portfolio of products including digital signal processors (DSPs), Barium Strontium Titanate (BST) capacitors and Wireless components for hearing devices. Our deep knowledge of ultra-low power DSP, low power wireless, hearing correction and enhancement algorithms in conjunction with our in-house thin film manufacturing capabilities enables us to deliver best-in-class solutions for the demanding requirements of modern hearing aids. Our portfolio includes a full range of programmable DSP and wireless platforms, pre-configured DSP and wireless solutions, deep sub-micron product development expertise including ultra low-power Analog Design, Digital ASIC Design, Hearing-Aid Algorithm Development and Multi Chip Module packaging. As a key supplier to the hearing aid market, we continue to pioneer low-power ASIC and miniaturization technologies that deliver new experiences for the hearing aid wearer.

Technology and Manufacturing Services

Driven by the need for miniaturization in the hearing aid industry, Sound Design Technologies continues to lead the way in manufacturing capabilities and technologies aimed at producing advanced 3D chip stacking architectures. These capabilities are being utilized to produce ultra-miniature SiPs (System in a Package) for hearing and consumer markets. Our Technology and Manufacturing Services (TMS) channel extends our miniaturization expertise to Contract Manufacturing services for a broad range of application spaces where form-factor, product dimensions and high signal integrity in adverse environments are key enablers such as portable and wireless electronic devices. Our manufacturing facilities include a silicon wafer fab that offers numerous silicon analog processes which are suitable for ultra



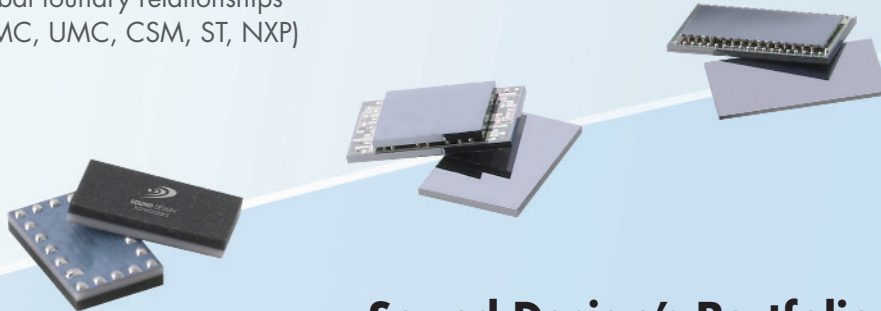
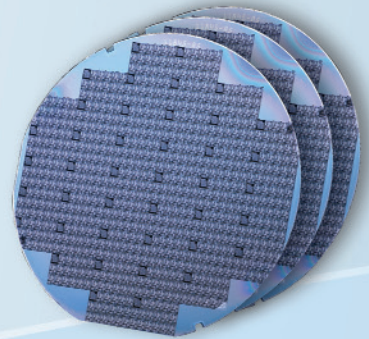
low noise low power audio amplifiers, video equalizers, serializers, and switches, power supply controllers etc. Our fab services can be extended for research and development of new silicon processing techniques tailored to a customer's specific needs. All capabilities are maintained in a world class 95,000 square manufacturing facility located in Burlington, Ontario, Canada operating in an ISO quality environment.

Ultra Low Power DSP markets

As the need for Consumer Electronics to offer better sound quality and miniaturized form factors reaches new highs, the demand for highly flexible and efficient DSPs with high processing power (MIPS), ultra low power consumption and miniaturization is emerging as a new market requirement for OEM designers. Equipment manufacturers and system designers today, are required to integrate superior audio processing capabilities into their portable audio devices, reduce the product form factor while improving battery life. Sound Design's ultra low power DSP solutions available in chip scale packages (3.8 X 2.8 mm²) with sub 1mA processing, enables electronics manufacturers to address this emerging market need. Our algorithm and software infrastructure enables the development of highly differentiated product offerings in miniaturized form factors and in parallel maintaining performance expectations of the end consumers with high bit-rate advanced digital audio processing algorithms; such as active noise control, echo cancellation and noise reduction.

Quality and Supply Chain

- ISO 9001:2008/ 14001:2004 and OHSAS 18001:2007 certified
- Average Incoming Quality 50ppm
- 99% On Time Delivery
- Global foundry relationships (TSMC, UMC, CSM, ST, NXP)



Sound Design's Portfolio

Hearing Aid Components	Technology and Manufacturing Services	Ultra Low Power DSP markets
<ul style="list-style-type: none"> • 50 MIPS, 1V DSP Processor • Software infrastructure enabling development of real-world products • Hearing correction and enhancement algorithms • Binaural algorithms • Ultra low-power Wireless solutions • Hearing aid analog and digital ASIC solutions • High-density, GSM-immune BST capacitors 	<ul style="list-style-type: none"> • 3D chip stacking • SiPs, MCMs, MCPs • Wafer and Substrate fabrication, assembly and test • BST Capacitors • HDI Substrates • Bipolar Silicon Processes • Specialty Wafer Fab Processing • Wafer Thinning (<100um) 	<ul style="list-style-type: none"> • 150 MIPS DSP Processor • On-chip digital Active Noise Control • Noise Reduction • Noise Cancellation • Acoustic Echo Cancellation • Graphic Equalization • Software solutions and infrastructure

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Enabling the world to hear since 1973!