



**MISCO**<sup>®</sup>  
The Sound of Imagination™

CASE STUDY

# Casino Games with Cinematic and Immersive Audio Experiences



Hitting a jackpot on a slot machine is a thrilling experience. Your adrenaline pumps as the lights flash and the beautiful sound of your winnings racking up fills your ears...and the ears of everyone around you.

Yfageo Technologies, a prominent casino game manufacturer, recognizes the pivotal role that the allure of winning plays in the long-term success of their games. Accordingly, the company meticulously designed its latest line of slot machines to offer players an unparalleled sensory experience, combining cutting-edge visuals and immersive audio elements.

Justin Georgilas, the Chief Executive Officer at Yfageo Technologies, underscores the importance of engaging players through their senses, stating, "A limited set of senses can be harnessed to immerse players—sight, touch, and sound—so we are committed to crafting games that offer an extraordinary auditory experience, akin to a cinematic journey."

Driven by this vision, Yfageo set exacting standards for its games' audio systems and sought an audio partner who could meet these high expectations.

Justin explains, "We explored potential collaborations with renowned audio companies such as Sonos and others. However, MISCO emerged as the ideal fit for our needs. Their competitive pricing, manufacturing capabilities, and the personal rapport established during face-to-face meetings were pivotal in our decision-making process."

MISCO has a distinguished history of working closely with casino game manufacturers, expertly navigating the unique acoustic challenges presented by the bustling casino environment.

# Delivering Exceptional Gaming Experiences



Yfageo, which manufactures and tests its machines in Las Vegas, had already engineered sleek cabinets for their games. However, they encountered suboptimal sound quality with their initial audio systems.

Justin emphasizes the importance of achieving a harmonious and balanced sound profile, stating, "It's imperative to deliver sound that strikes the right balance—without an excess of bass, treble, or overpowering elements. The audio must captivate players at specific moments."

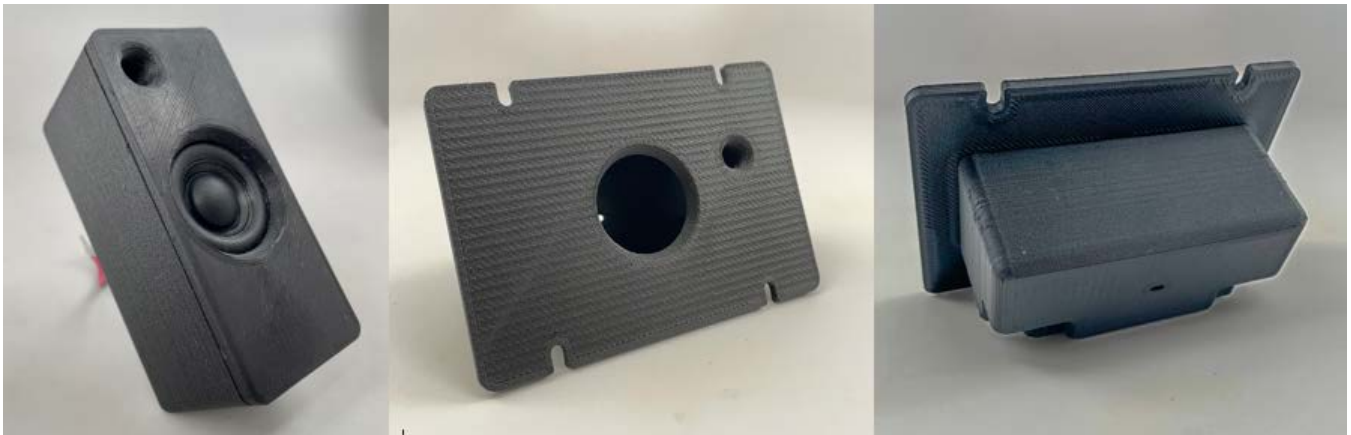
MISCO's astute engineers identified that the placement of Yfageo's older speakers within the cabinet face was causing sound waves to cancel each other out. In response, Justin shares, "We simply provided MISCO with the machine's face, and they took it from there. Their responsiveness was truly remarkable."

MISCO engineers [3D printed a prototype](#) to perfectly fit Yfageo's cabinet face.



# Incorporating Proprietary Technology

The [2.1 sound system](#) recommended by MISCO to Yfageo, distinguished by its compactness, defies convention by delivering sound quality typically associated with larger speaker systems. Justin recalls, "They showcased an incredibly refined speaker system that left me in awe. I couldn't fathom how such a modest-sized speaker could sound so exceptional. It was truly baffling."



# Tech Support That Adds Value

Once the speaker system was engineered to fit Yfageo's cabinet, MISCO's team used the [digital signal processing](#) (DSP) embedded in the system's amp to precisely set the sound profile for the first game.

"The DSP really dialed it in," says Justin. "That was just incredible."

MISCO then sent its DSP experts to Yfageo to instruct the team on making adjustments so they could create sound profiles for each of their other games themselves.

"They had a team come by, and they explained everything. We learned about noise canceling and all the little intricate things that these guys know about. It was a great learning experience. And it was hugely beneficial to our company. We appreciate it."



Yfageo Technologies worked with MISCO to enhance the audio experience for players in its new line of slot machines. Highlights of the partnership:

- A custom solution that fits existing cabinet spaces
- 3D printing for rapid prototyping of design
- Exceptional sound quality and cinematic experience of games
- USA manufacturing and quick product fulfillment
- In-person training on DSP for added long-term value

# Getting It Done in America

Now that Yfageo is taking orders for its new games, the company needs to be able to respond quickly.

“We receive equipment as needed,” says Justin. “The ability to promptly meet market demands is crucial. In an industry where some manufacturers are operating on lead times ranging from six to nine months, having the advantage of local communication in a shared language is invaluable.”

MISCO manufactures Yfageo’s sound systems at its headquarters in St. Paul, Minnesota.

“The level of support we receive from MISCO is truly exceptional,” says Justin. “They consistently demonstrate a proactive approach, readily deploying engineers to address any issues that arise. Their responsiveness is of paramount importance to us. They’re very responsive. That’s highly important.”



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