

Real-Time and Tailored ASR for Conversational AI

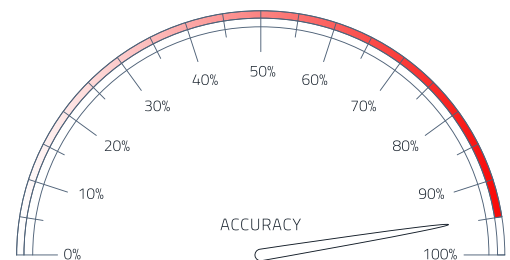
Legacy automatic speech recognition (ASR) will never be accurate or fast enough for great Conversational AI solutions. So we reinvented it.

For Better Results, Rethink Your Metrics for Accuracy

Poor ASR accuracy leads to high fall back rates or incorrect responses by your Conversational AI solution. So the higher the accuracy the better your results, right? Well, not entirely.

The traditional way to measure ASR accuracy is the word error rate (WER) but that metric is too simplistic for your solutions. Do you care if the ASR has a 100% WER on grammar articles (of, the, a, by)? No, you care about the WER on specific words, terminology, and jargon so your Conversational AI can parse and respond correctly. We call this **Intent-based Word Error Rate (IWER)**.

Deepgram's IWER can be trained to be 90%+, and the accuracy can continue to be optimized for varying accents, dialects, languages, and environment noise. Know a general ASR provider that can do that? Neither do we.



CLIENT RESULTS

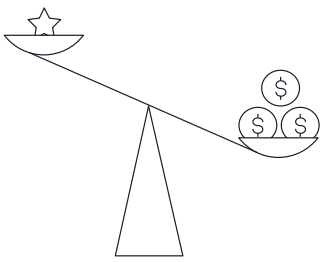
Reduced repeat rates from 30% to 10% with less than 3 weeks of speech model training and accuracy improvements.

Speed Without Sacrifice

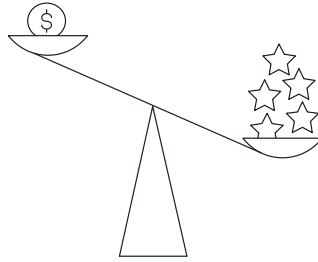
Two- to three-second lag time isn't really "real-time," is it? Long response lag leads to high fall back rates and poor customer satisfaction. Deepgram's lag times are **<300 milliseconds** which means more time to optimize your response.

In addition, our End-to-End Deep Learning Speech Platform **does not sacrifice accuracy for speed**. Unlike legacy ASR Solutions, you don't have to accept longer lag if you want to add more keywords, terminology, or jargon to the ASR speech model. With our speed, your Conversational AI will be closer to sounding like a human conversation.

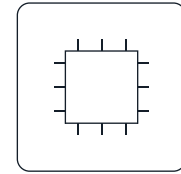




OTHER ASR'S

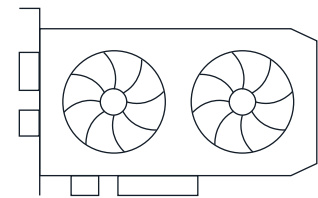


DEEPGRAM



CPU

Optimized for Serial Tasks



GPU

Optimized for Parallel Tasks—
Process Exponentially More Audio

Increase Adoption With Lower TCO

Because Deepgram's AI Speech Platform is built from the ground up and **exclusively works on high performance GPUs instead of CPUs**, our overall Total Cost of Ownership (TCO) can be substantially lower. Scale up and acquire more customers with a better TCO.

Build your Conversational AI on a true end to end AI speech platform with a **prebuilt Conversational AI Speech Model** that provides accuracy, speed, cost, and scalability.

[Contact us](#) to start your conversation.