aws marketplace

HyperScience

Reviews, tips, and advice from real users

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HyperScience

HyperScience Recap

HyperScience is a cloud-based input-to-output platform that automates document-based workflows and extracts data for analysis from both physical and digital documents.

The HyperScience platform simply integrates with your current business systems thanks to an open API, an intuitive UI, and pre-trained models, resulting in a totally automated digital workflow.

The classic scanning paradigm has been reimagined by HyperScience; it has replaced the need for human verification with intelligent technology that learns as it goes. The solution automates previously manual operations using a simple model-based solution or from the ground up, saving time and resources that can be redirected to more strategic efforts. The platform has a minimum accuracy of 75% when it is first installed, but it can exceed 99% accuracy in a matter of weeks.

With out-of-the-box and customizable tasks, workflows, and connectors, the solution automatically connects into your document workflows. HyperScience, which is powered by industry-leading machine learning, makes it simple to get from input to actionable data.

HyperScience Benefits

There are many benefits to implementing HyperScience. Some of the biggest advantages the solution offers include:

- **Automation:** With automation, users can save 89% of the time they would have spent doing things the old way. Businesses are able to save money in this way.

- **Risk mitigation:** The number of human errors can decrease by 67%. Users can benefit from straight-through processing at 94% with 99% data accuracy.

- **Speed**: Some users see 75-95% automation out of the box and a 4-5x improvement in throughput.

HyperScience Features

HyperScience has many valuable key features. Some of the most useful ones include:

- **Simplify document processing:** Convert unstructured text into actionable data that can be utilized to speed up and improve the accuracy of downstream processing. Set your target accuracy rates, and our machine will automate them using our patented machine learning technology.
- **Flow Studio:** For your document-intensive tasks, pre-built or easily configurable corporate automation solutions are available. Flows, which are the organized execution of Blocks that represent your business processes, are put together to construct end-to-

end solutions for certain use cases or industries. All Flows are displayed in HyperScience's Flow Studio, where end-to-end document processing solutions can quickly inspect and modify Flow and Block settings.

- **Blocks:** The HyperScience Platform is built on modular Code Blocks. These help you to create the best document processing solution for your customers thanks to built-in machine learning. Code Blocks are components that can be developed and deployed by business users individually. Code Blocks help you to quickly assemble the workflows and processes that best meet your document processing needs.
- **Connectivity and integration:** To ensure the accuracy of your retrieved data, the HyperScience platform readily connects to systems of record and other platforms. Integrate with other systems in your environment during document processing to leverage external data for further automation and decision-making.
- **Granular reporting:** You can see exactly how your automation enhances the customer experience, which staff are the most efficient and consistent, and where bottlenecks in your document processing are, thanks to built-in, real-time reporting.
- **Human supervision:** HyperScience equips humans with a streamlined task queue and easy-to-use interface designed to empower your teams, not slow them down.

Reviews from Real Users

HyperScience stands out among its competitors for a number of reasons. Two major ones are its robust user-training module and its accuracy with handwritten documents. PeerSpot users take note of the advantages of these features in their reviews:

One PeerSpot reviewer, a Lead Analyst at a financial services firm, writes, "One of the most valuable features of HyperScience is the user-training module. Whenever the extraction takes place, based on the way we have trained HyperScience, it would give us some success status or a certain confidence level. If the solution has processed something that it determined was not extracted correctly it will queue those items for manual review."

Yogesh S., OCR Developer at a tech vendor, notes of the solution, "I like that compared to other tools, HyperScience works best with handwritten documents." He adds, "We're automating invoices and some handwritten filled-out documents. We can automate with accuracy, and even though we used HyperScience initially for selling purposes and as a comparison tool, we're now getting these results with HyperScience."

Valuable Features

Excerpts from real customer reviews on PeerSpot:

✔ "Valuable features include tools like IQ Bot and the ability to extract handwritten documents with 93-95 per cent accuracy."

Abdul Quadir
Assistant Manager at WNS Global Services

✔ "It provides the best accuracy for handwritten forms, which is a struggle in the industry. You can take processes with a lot of manual work and streamline them through this tool."

Satender Sajwan
Operations Manager at Genpact

✔ "I like that compared to other tools, HyperScience works best with handwritten documents."

Yogesh Shendage
OCR Developer at a tech vendor with 10,001+ employees

✔ "Has algorithms that can detect a document template even if the image has a lot of distortions."

Pavan Balaji
Digital Innovation Leader at Allstate India

✔ "What I liked more about HyperScience was the quality of the OCR it is a lot better compared to Google."

Pavan Nanjundappa
Principal Data Scientist at a tech services company with 10,001+ employees

✔ "We have seen pretty good accuracy."

Verified user
Head of AI and Automation at a insurance company with 5,001-10,000 employees

✔ "One of the most valuable features of HyperScience is the user-training module. Whenever the extraction takes place, based on the way we have trained HyperScience, it would give us some success status or a certain confidence level. If the solution has processed something that it determined was not extracted correctly it will queue those items for manual review."

Verified user
Lead Analyst at a financial services firm with 1,001-5,000 employees

What users had to say about valuable features:

"The product performs well on handwritten text and on checkboxes with regard to data extraction. It also has some algorithms that can detect a document template even if it is rotated in different directions and if the image has a lot of distortions. It has a great feature called visual template matching, which identifies the template and extracts the data.."

Pavan Balaji   Read full review ↗
Digital Innovation Leader at Allstate India

"What I liked more about HyperScience was the quality of the OCR it is a lot better compared to Google.

There is a feature called Visual Template Projection which tries to identify the template of the document that is submitted regardless of the orientation of the document, whether it's visually damaged, or in very bad shape. It will try to match the template. ."

Pavan Nanjundappa   Read full review ↗
Principal Data Scientist at a tech services company with 10,001+ employees

"As far as the product goes, I really like the product. It's clear why it is the market leader.

We have seen pretty good accuracy.

There are all different kinds of use cases that we get out of it – especially for its core capabilities. We are experiencing pretty good results with the core capabilities overall.."

Verified user   Read full review ↗
Head of AI and Automation at a insurance company with 5,001-10,000 employees

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"HyperScience provides a lot of features. It can auto-transcribe the handwritten information on the forms. You can create as many forms as you want in order to provide HyperScience information about the input coming up for similar forms. It has an AI that helps to improve the accuracy day by day as you work on it. It gives you a better output every time you work on it. There is a lot of flexibility around it.

There is a very robust reporting mechanism inside it, which can give you all sorts of data that you need in order to improve the process and provide feedback to HyperScience.."

Satender Sajwan   Read full review ↗
Operations Manager at Genpact

Other Solutions Considered

"Our company has several areas of business, including health and dental insurance, that require handwritten documents. By extracting these documents, we can fully automate the process. We evaluate the HyperScience needed after extraction and build IS or web applications, depending on the extraction. Once we have the output for all fields, we introduce better applications like ISL Java.."

Abdul Quadir   Read full review ↗
Assistant Manager at WNS Global Services

"We used a few other solutions, such as ABBYY FlexiCapture, Recognizer, Parascript, Google Document AI, and Azure Form Recognizer service, but HyperScience was giving better results in terms of handwritten text.

We decided to choose HyperScience because the quality is very good. Most of the other vendors do perform very well, but for anything that has a documented quality of the below 300 DPA, you need a HyperScience to extract the content.."

Pavan Nanjundappa   Read full review ↗
Principal Data Scientist at a tech services company with 10,001+ employees

"With Ephesoft Transact, we're getting these results. With ABBYY, we're getting these results. I think all the companies are also developing their own tools for this OCR. The difference between HyperScience and Ephesoft Transact is usability. Right now, I'm using HyperScience tools, and we are expecting basically the print form of the document. For table extraction and all these things, we're expecting the help of Ephesoft Transact. In terms of usability, Ephesoft Transact is one of the best tools for this extraction. But in the 2019.2 version, they were unable to capture the handwritten documents. They released a new version in the last month, 2020.1.05, and now they support handwritten documents.For example, for an invoice table and table extraction, we have to set the required time to set up this table in ABBYY and other tools. They use new technology like AI/ML, and they have reduced the time to extract what the table contains. Initially, I think that it required about ten to 15 minutes to configure the table. Right now, they have definitely decreased the time with the help of AI/ML technology.

As a result, in terms of usability, I would say Ephesoft Transact is the best one. We were trained to use HyperScience because the management sanctioned it. They definitely compare other OCR tools for usability or scalability.."

Yogesh Shendage   Read full review ↗
OCR Developer at a tech vendor with 10,001+ employees

Use Case

"We use this product to help our internal teams automate in areas such as claims automation using intelligent document processing. It deals with handwritten documentation. We are partners with HyperScience and I'm a data science manager. ."

Pavan Balaji

Digital Innovation Leader at Allstate India

"My projects are from different PDFs. I use a KFI8. First, we create an email using email extraction. After that, we email or scan the document and print a standby so we have their input in different formats: email, scan, and print. We then put it into HyperScience, which provides the JSON output. Now we can automate using any application, such as RPA Automation Anywhere, which gives you the RPA UI Path. ."

Abdul Quadir

Assistant Manager at WNS Global Services

"We use HyperScience for testing purposes, document processing, and automation. We tested with both printed and handwritten documents that were related to the medical field. To get better results, we had to test the documents written in cursive and configure the maximum number of documents in HyperScience. If you want better than expected results, you must first configure more documents for that particular vendor.."

Yogesh Shendage
OCR Developer at a tech vendor with 10,001+ employees

Read full review ↗

"This is an OCR solution. We were testing it for one of our existing processes. We were checking its capabilities on how it can provide streamlined services for data entry processes and automate the step that was done manually.

It was on the cloud, and we had a test instance given by HyperScience to perform all these things.."

Satender Sajwan
Operations Manager at Genpact

Read full review ↗

"We are using HyperScience at an enterprise level for all of our document extraction.

We work in the financial services domain. As a result, a lot of our documentation comes through in hard copies as paperwork, such as application or enrollment forms. These documents are consumed by our business team in several different ways and to facilitate this, we use HyperScience. It is used for all of our papers that are coming in, they are scanned in digitally at our scanning facility.

To facilitate further automation or integration with some of the existing systems that we have, we use HyperScience to extract data off of these forms and then pass it through other applications or other tools that we use for automation.."

Verified user
Lead Analyst at a financial services firm with 1,001-5,000 employees

Read full review ↗

Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

"We didn't have any problems with deployment. We had a HyperScience team assisting us. Deployment time will depend on your requirements. We spent four weeks doing a POC. New template training took a couple of days because we had around 1000 documents.."

Pavan Balaji   Read full review ↗

Digital Innovation Leader at Allstate India

"It was quite simple. It was laid out very easily, and there was, as such, no complexity in terms of the deployment. Any complexity would be more from the point of view of the HyperScience developers. They have to integrate it with the existing system, but that should not be very difficult. I believe its integration can be done with any system. So, that's not an issue.."

Satender Sajwan   Read full review ↗

Operations Manager at Genpact

"We have built a wrapper around the HyperScience based on the SDK available given by the HyperScience using the Python language. This is where we place our files. The action system places the files into a folder, and from there we pick the files and then process it. It sends back the result in the same way, to the output folder. We have built a REST API on top of the HyperScience SDK.

The setup was completed in a week.."

Pavan Nanjundappa   Read full review [↗]
Principal Data Scientist at a tech services company with 10,001+ employees

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"I did not handle the initial setup. It was set up way before I took up the role. I can't speak to how easy or hard it was.

I don't know if it's that the teams are now experienced with the solution now. However, I have found that the upgrades are pretty smooth. We don't see any issues out there. All of our upgrades have been smooth so far.

My understanding is that functional deployments are pretty quick. I haven't heard of it being a lengthy deployment process. I don't know the exact time it takes to deploy. However, I haven't heard of any deployment concerns on the HyperScience side.

Only a few people are needed for deployment and maintenance tasks. Wherever there is a kick-out, we do have a team that looks at those cases manually, which is understandable. However, it does have good accuracy. We only really need four or five people to just be around and watch. ."

Verified user   Read full review [↗]
Head of AI and Automation at a insurance company with 5,001-10,000 employees

Other Advice

"The biggest lesson I have learned is that we have to configure the maximum number of templates for unstructured documents, and they have given the range that goes from a minimum of ten to a maximum of 400. That makes it a time-consuming job.

On a scale from one to ten, I would give HyperScience a seven.."

Yogesh Shendage   Read full review ↗
OCR Developer at a tech vendor with 10,001+ employees

"I would advise others to choose HyperScience if they're looking for high-quality extractions in case their documents' image quality is below 300 DPI.

I rate HyperScience a seven out of ten. There is a lot of competition in the market at the moment and HyperScience has to evolve a little better.."

Pavan Nanjundappa   Read full review ↗
Principal Data Scientist at a tech services company with 10,001+ employees

"HyperScience is good for structured and semi-structured document extraction and it's easy to learn. The solution is built in a way that even if you don't have a lot of knowledge, you can still get the results.

This is an evolving company that hasn't been on the market for a long time but it's doing a good job and I rate this solution seven out of 10. ."

Pavan Balaji   Read full review ↗
Digital Innovation Leader at Allstate India

"We are a customer.

We're just upgrading to version five. I don't remember the exact version we are on right now.

If accuracy and customer satisfaction are your goals, then you should go for this solution. It's really a fantastic product in the market. We have seen other products doing stuff. They weren't good at all. They all claim to be excellent, yet they weren't.

I'd rate the solution eight out of ten.."

Verified user   Read full review ↗
Head of AI and Automation at a insurance company with 5,001-10,000
employees

"Whenever someone is looking forward to using HyperScience or any of the IDP tools, I would recommend them to take a look at what their own use cases are,

what kind of forms they have, and what documents extractions that they need. They then can map it with the functionality that HyperScience or similar tools have to offer and see what is best compatible for their use case.HyperScience will be good at a lot of operations, but those operations might not be well-suited for your needs. it is best to look around at the options available on the market.I rate HyperScience an eight out of ten.

My rating might be a bit biased because of my lack of experience with the solution. I may not be able to gauge the overall performance and capability that the entire solution has to offer. I may have only been exposed to a limited amount of functions or features.."

Verified user
Lead Analyst at a financial services firm with 1,001-5,000 employees

Read full review ↗

"I would give the product an overall rating of seven and a half out of 10 because it has a lot of functionality, whatever we use. The extraction process for still and noisy documents and some data is good. The need for manual intervention is minimal. A few things could be improved. Not having to do QA would increase accuracy. We also must create different user data types if a particular data type is missing.

We currently have15 people using the product all the time.

It can only be a cloud-based program because it requires more GV whenever we install HyperScience pieces of more than around 250. So we have to install the relevant cloud servers and gain access using their URL.

If you are a first-time user, you must show what kind of documents you have. You also need to estimate how many documents you will require each month. Next, you must decide whether structured or non-structured documents would better meet your needs. Based on your decision, you create the appropriate document, considering t which fields are required and which are not. You can then estimate the number of manual tasks that might be required.

It's a good extraction solution if you're looking for an IQ Bot and ARN documents. So. if it's a typed document, it's fine, but whenever you're looking at something handwritten or a still or noisy document, you have to go to HyperScience.."
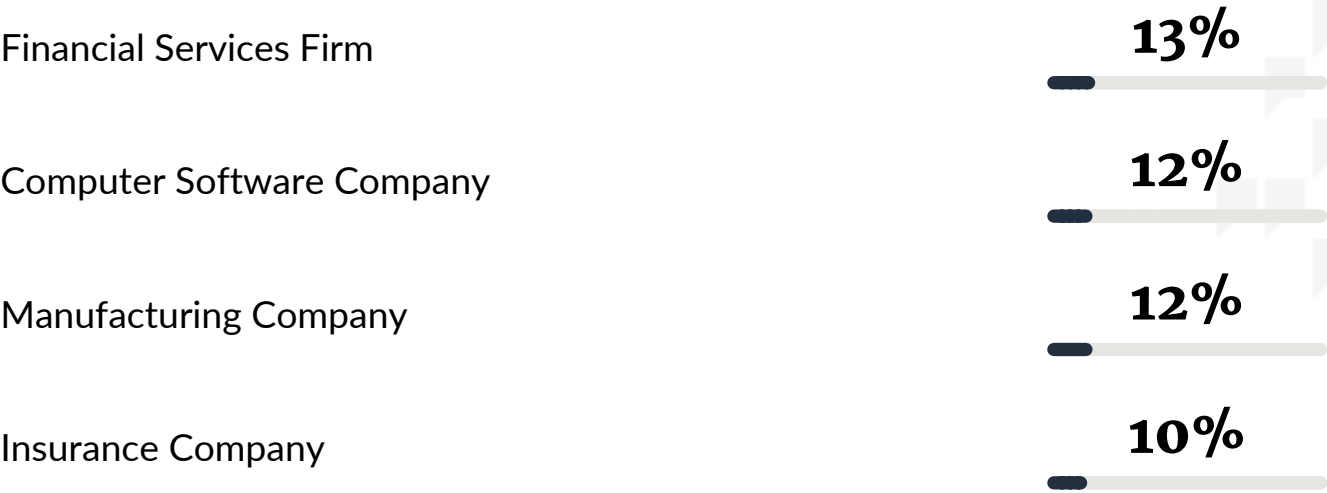
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Assistant Manager at WNS Global Services
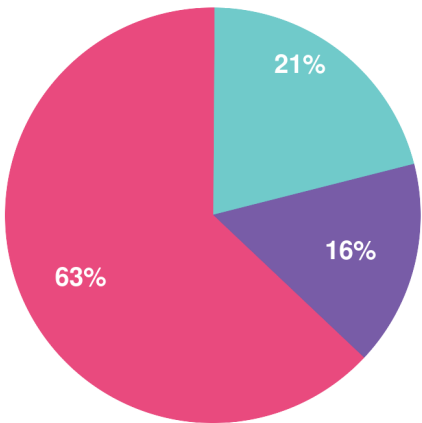
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Insurance Company **10%**

Company Size
by reviewers

by visitors reading reviews

21%

16%

63%

⬤ Large Enterprise   ⬤ Midsize Enterprise   ⬤ Small Business

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