



Micro-Brains

Intelligent Document Automation & Orchestration

Transform unstructured enterprise documents into traceable, structured data and orchestrate downstream actions across compliance, quality, and ERP-connected workflows.

Platform Overview

Micro-Brains centralizes document intelligence in a single operational layer for extraction, validation, and workflow orchestration.

Micro-Brains is an enterprise-grade platform designed to streamline and automate the processing of unstructured documents, transforming them into actionable, structured data. By consolidating disparate information into a centralized hub, the platform eliminates data silos and establishes a reliable single source of truth. To facilitate seamless integration, Micro-Brains provides robust connectors to all relevant data providers, ensuring that critical information flows efficiently across your business ecosystem.

High-Precision Document Extraction

The platform combines AI extraction with traceability, validation logic, and configurable processing pipelines.

At the core of Micro-Brains is a powerful AI extraction engine capable of handling highly specialized regulatory documents and generic business files.

- **Specialized SDS Processing:** The platform utilizes advanced AI to extract structured data—including hazard statements, signal words, exposure controls, and chemical compositions—from Safety Data Sheets (SDS). This data is automatically mapped to standardized phrases (GHS) and validated against official sources.
- **Generic Document Processing:** Beyond SDS, the platform supports technical data sheets, certificates of analysis, and brochures. Through customizable pipelines, Micro-Brains generates traceable outputs, providing a reliable foundation for internal data management.

Enterprise Integration and Connectivity

Structured outputs become immediately usable inside existing enterprise workflows.

Micro-Brains is built for the modern IT landscape, featuring native data connectors for SAP and other ERP architectures. Extracted information is actively integrated into your existing business processes. Once data is structured and validated, it serves as a trigger or data source for further tasks, bridging the gap between unstructured supplier documents and structured enterprise resource planning.

The Agent Builder

Low-code agents make complex document workflows reusable, scalable, and operationally consistent.

To make complex processing accessible, Micro-Brains introduces Agents. These allow users to build automated processing pipelines in a low-code setting. Users can design agents to extract specific

information and execute actions—ranging from automated emails to SAP data entries. Workflows can be saved as templates, shared across users, and used to standardize critical compliance processes.

What are you looking for? What should we automate?

Your latest Agents

Fill Questionnaire

Description
Automatically fills a given questionnaire using all the information from a specified substance available on SAIFTY.

Assess COA

Description
Automatically determines whether the measurements in a given Certificate of Analysis are within range of a regulatory list.

Recommended for you

Assess Food Contact Safety

Description
An Agent that assesses whether a substance is safe for food contact, based on all information available to SAIFTY. The agent will provide the result of the assessment as a downloadable Declaration of Compliance.

Find PO in SEP

Description
Extract a Purchase Order Number from a Delivery Note and find it in SEP

Extract Business Cards

Description
An automated flow that takes business card images, extracts and structures the contact details using OCR and stores the cleaned data to SAIFTY

Business Cards to SEP

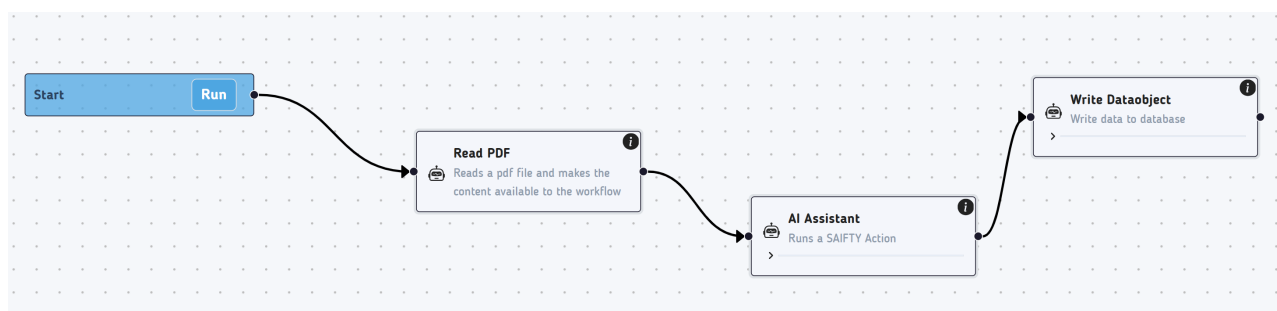
Description
Extracts Information from Business Cards and writes them to SEP

Example Agent Use Cases

The following examples illustrate how Micro-Brains agents automate recurring document-heavy tasks across quality, regulatory, and supplier-facing processes.

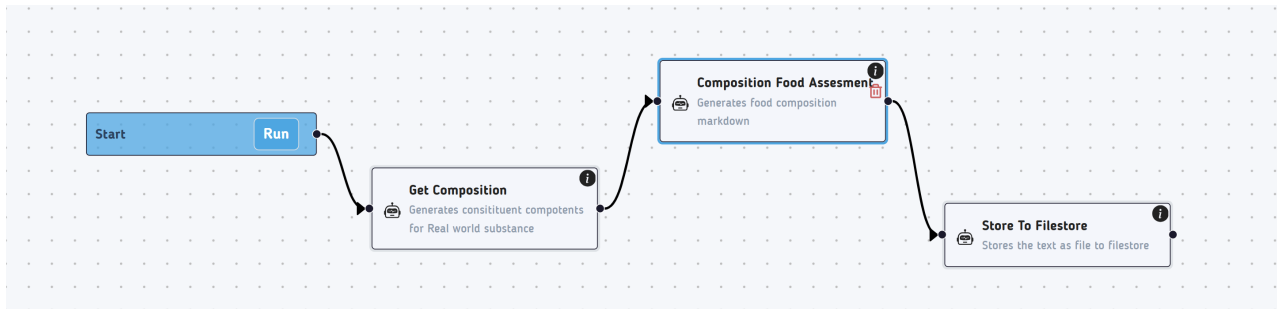
Automated CoA Validation

A Certificate of Analysis (CoA) is a critical record certifying the purity and quality of product batches. Because these documents are essential for batch traceability and audit compliance, manual inspection is often a bottleneck. Users can build an Agent to extract product identity and observed results, automatically checking them against regulatory limits. The Agent can be extended to trigger notifications if limits are exceeded, ensuring quality deviations are flagged without manual interaction.



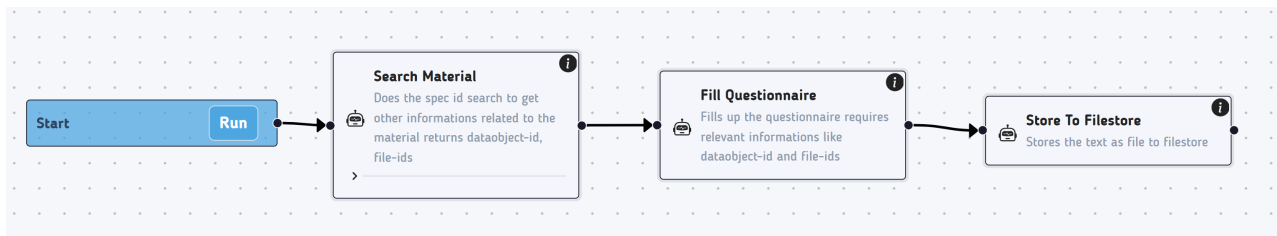
Food Contact Certificate Management

Navigating the EU regulatory landscape for food contact materials requires verifying that every component is safe, typically involving manual cross-referencing of supplier documents. Users can design an Agent to retrieve product information and analyze the chemical composition based on integrated platform data. The workflow checks components against EU regulations to ensure adherence. The final step is the automatic generation of a verified Declaration of Compliance.



Smart Questionnaire Processing

Completing complex supplier questionnaires often requires gathering data from disparate internal sources. Users can create an Agent that utilizes question-recognition technology to automatically pull required answers from sources such as SAP and stored technical documents. The Agent completes the process by providing a pre-filled Word download, allowing for a human-in-the-loop review for final approval before submission.



Turn document complexity into structured business value.

Let us show you what Micro-Brains can do! Reach out for a personalized demo and discover how AI-powered extraction, low-code agents, and seamless system integrations can eliminate manual effort and accelerate your data workflows.

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[Request a demo](#)