A high-performance AI assisted tool for automated redaction and anonymisation of unstructured text. Built for organisations handling sensitive information at scale, including public-sector information governance workflows such as FOI and Subject Access Requests (SARs).

Our general model already outperforms leading commercial solutions without requiring customer-specific training. For organisations needing sector-specific precision, fine-tuned models deliver enhanced performance.

Test set	Market competitor	MASC general model	MASC fine-tuned model
688 identifiers	390/688 (56.7%)	602/688 (87.5%) **54% improvement!**	649 (94.3%) **66% improvement!**
1,430 identifiers	811/1430 (56.7%)	947/1430=66.2% **17% improvement!**	1420/1430=99.3% **75% improvement!**

Efficiency Gains

Over **600×** faster than manual redaction; saving days of effort and reduced cost per request.

Key Features

▍ Automated detection & redaction across large document sets

▍ Human-in-the-loop review to ensure precision

▍ Confidence scores to guide reviewer attention and provide explainability

▍ MFA for secure access and enterprise compliance

▍ Manual redaction interface for corrections & overrides

▍ Multi-user functionality

▍ Meaningful anonymised output

▍ Sequential entity labels for readability (e.g. [NAME1], [LOCATION2])

▍ Irreversible redaction; not just black-boxing

▍ File Type Support :DOCX, PDF, CSV, ODT

Who is it for?

Designed for public sector and compliance-critical organisations including:

- Data Protection Officers handling FOI & SAR requests
- Teams working with sensitive case files (e.g., health, law, finance, public sector and/or clinical trial data)
- Researchers processing interview-based datasets
- AI developers preparing safe training datasets (e.g., Health, Finance, Public Sector)

Where it helps

Scenario	Impact	Estimate time saving using MASC
FOI and SAR processing	Faster turnaround; high accuracy; reduces breach risk	3 days > 3 hours
Law enforcement case file prep	Secure anonymisation for disclosure of evidence	6 days > 0.5 days
Legal discovery & document bundles	Large-scale, consistent redaction	24 days > 2 day
Healthcare records disclosure	Redacts patient identifiers and sensitive data across clinical/healthcare records; supports safe disclosure	3 days > 3 hours
Research interview transcript anonymisation	Protects participants; improves ethics compliance	2 days > 2 hours
AI dataset preparation	Quickly produce privacy-preserving training data	150 days > 10 days

Why choose this tool

- Better accuracy than market leaders
- Easy to use, even for non-technical staff
- Fine-tuning capability for specialist domains
- Secure UK-based processing

Try It Yourself

Interested organisations will be offered secure access to trial the platform, allowing hands-on testing with their workflows and document types.

Evaluate performance | Test manual workflows | Assess suitability for your organisations use cases

✉ Email us at **info@trilateralresearch.com** to find out more