



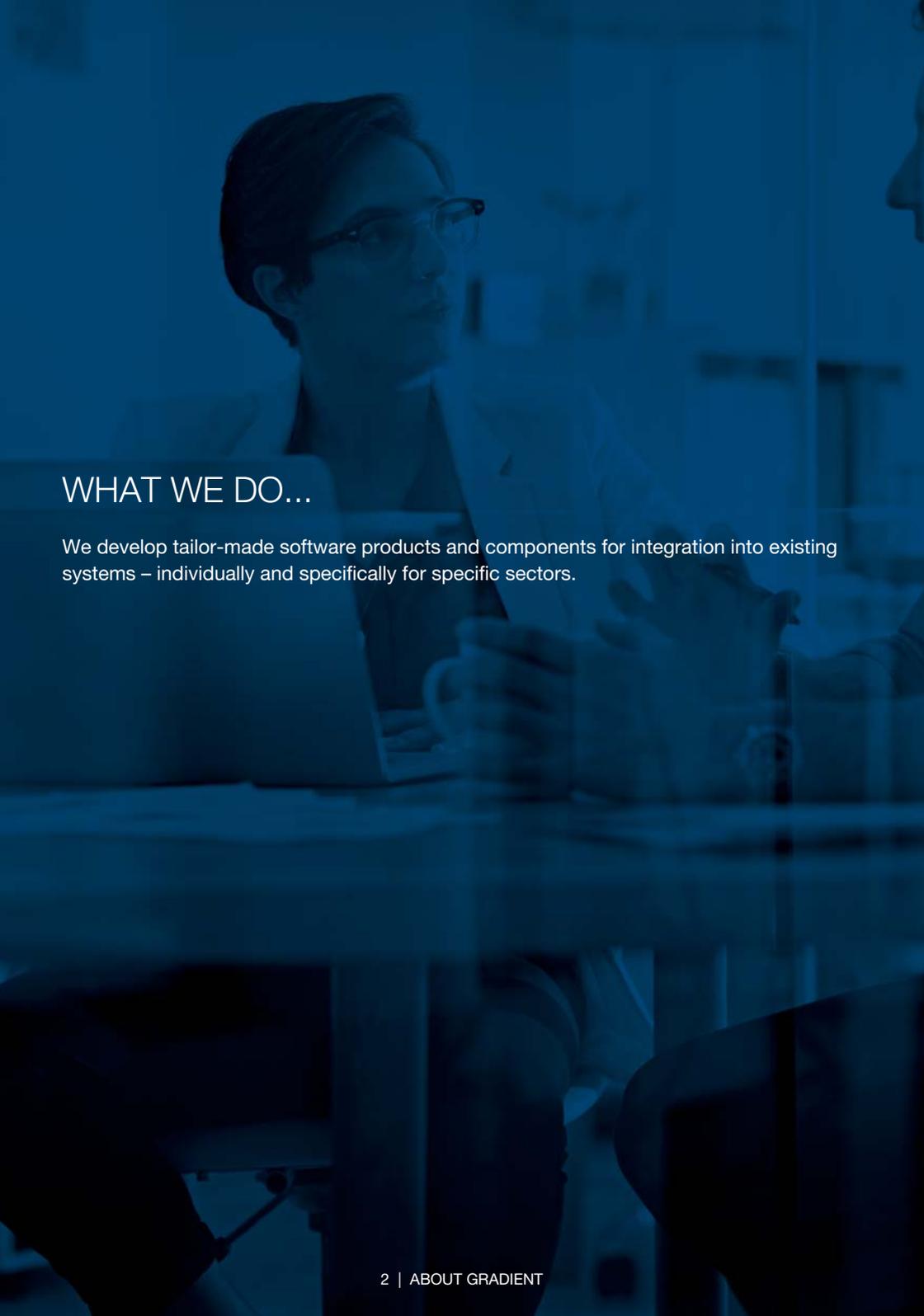
gradient.Systemintegration

PROOF SOLUTIONS

by gradient

INNOVATIVE AND INTELLIGENT
SOFTWARE SOLUTIONS

for pharmaceutical companies and the printing industry



WHAT WE DO...

We develop tailor-made software products and components for integration into existing systems – individually and specifically for specific sectors.

... AND FOR WHOM

A large number of our clients come from the health care sector. We have been a firm partner of the Associations of Statutory Health Insurance Physicians (ASHIPs) for many years now, supporting them with a wide range of software solutions, e.g. for complex processes involved in billing physicians' fees or with WEB-based applications for data collection.

We also specialise in testing systems for checking print images – with our Pixel Proof software we support, for example, clients in the pharmaceutical and printing industries.

HOW WE DO IT

Quality for us means: efficient software, tailored to meet our clients' needs. We measure this quality on our constantly growing base of satisfied clients.

Service for us means: reliability, comprehensive customer support and product maintenance as the basis for long-term cooperation. The continuous exchange of information with our clients, working together on the further development our products, as well as networking, for example, via our client online portal, are of key importance to us.

TEAM

Our team currently numbers almost 50 people. The different ages of our employees enable us to successfully combine decades of experience with fresh ideas.

Customizing our software solutions to our clients' requirements often presents us with challenges that we approach with great motivation and enthusiasm. Particularly complex tasks and problems is something we greatly enjoy solving.

We provide support to customers around the world. The internationality of our clients is also reflected among our employees. The combination of different cultural backgrounds and German virtues promotes teamwork and creative development.

PIXEL PROOF

WORKFLOW

PIXEL **PROOF** WORKFLOW IS AN EASY TO USE PROOFING SYSTEM FOR VISUAL VERSION CONTROL AND COMPARE THE PRINTED MATERIAL AGAINST THE APPROVED ARTWORK AND IS AN IMPROVED VERSION OF RECOGNIZED PIXELPROOF SYSTEM.

DIN A5	148 x	210
DIN A4	210 x	297
DIN A3	297 x	420
DIN A2	420 x	594
DIN A1	594 x	841
DIN A0	841 x	1190
DIN B7	88 x	125
DIN B6	125 x	176
DIN B5	176 x	250
DIN B4	250 x	353
DIN B3	353 x	500
DIN B2	500 x	707
DIN B1	707 x	1000
DIN B0	1000 x	1414
DIN C7	81 x	114
DIN C6	114 x	162
DIN C5	162 x	229
DIN C4	229 x	324
DIN C3	324 x	458
DIN C2	458 x	648
DIN C1	648 x	917
DIN C0	917 x	1297

SAFETY AND CONVENIENCE

- PPWF is a process driven inspection and proofing system based on an standard WorkFlowEngine (Inspection - WorkFlows can be created / configured in accordance with customer's process).
 - The system leads a user step by step through the whole process, which eliminates the risk of skipping a stage.
- Introducing function of authorized access for trained staff allows to avoid making mistakes caused by misusing the system.
- Thanks to electronic signature referring also to visual data, all changes in visuals are recognized and reported.
- All digital records are signed with a signature.
- A new function „series review” makes it possible to summarise over one hundred operations in some cases.

TECHNOLOGICAL LEVEL

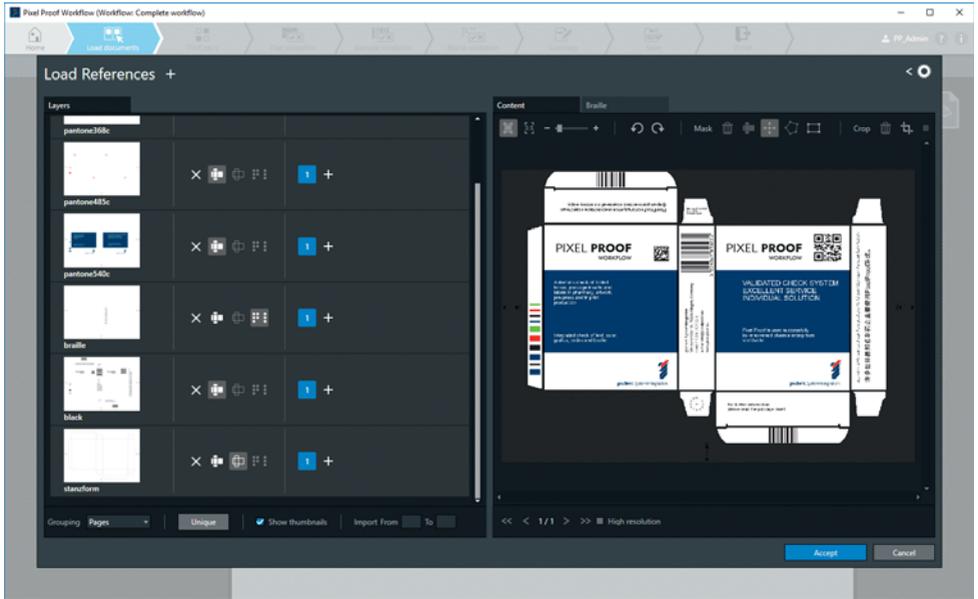
- Significant increase of performance due to multiprocessing and multicomputing.
- State of the art new modern user interface – leads user through the inspection workflow, avoiding routine mistakes, provides more effective quality control process validation.
- New developed powerful comparison engine, e.g. based on edge comparison, which allows to detect deviation in low contrast areas (also color independent).

TYPE OF MATERIALS:

- Folding boxes
- Leaflets
- Labels
- Tubes
- Foils
- and others

FUNCTION:

- Graphic, text and color check
- Barcode and 2D Codes analysis
- Braille Content and height analysis
- Color check with Spectrometers



FEATURES:

- Workflow based software (process driven).
- High Performance due to multiprocessing and multi computing.
- Multipage document against Multiscan.
- Integration with Document Management Systems over PlugIns.
- New powerful comparison engine.

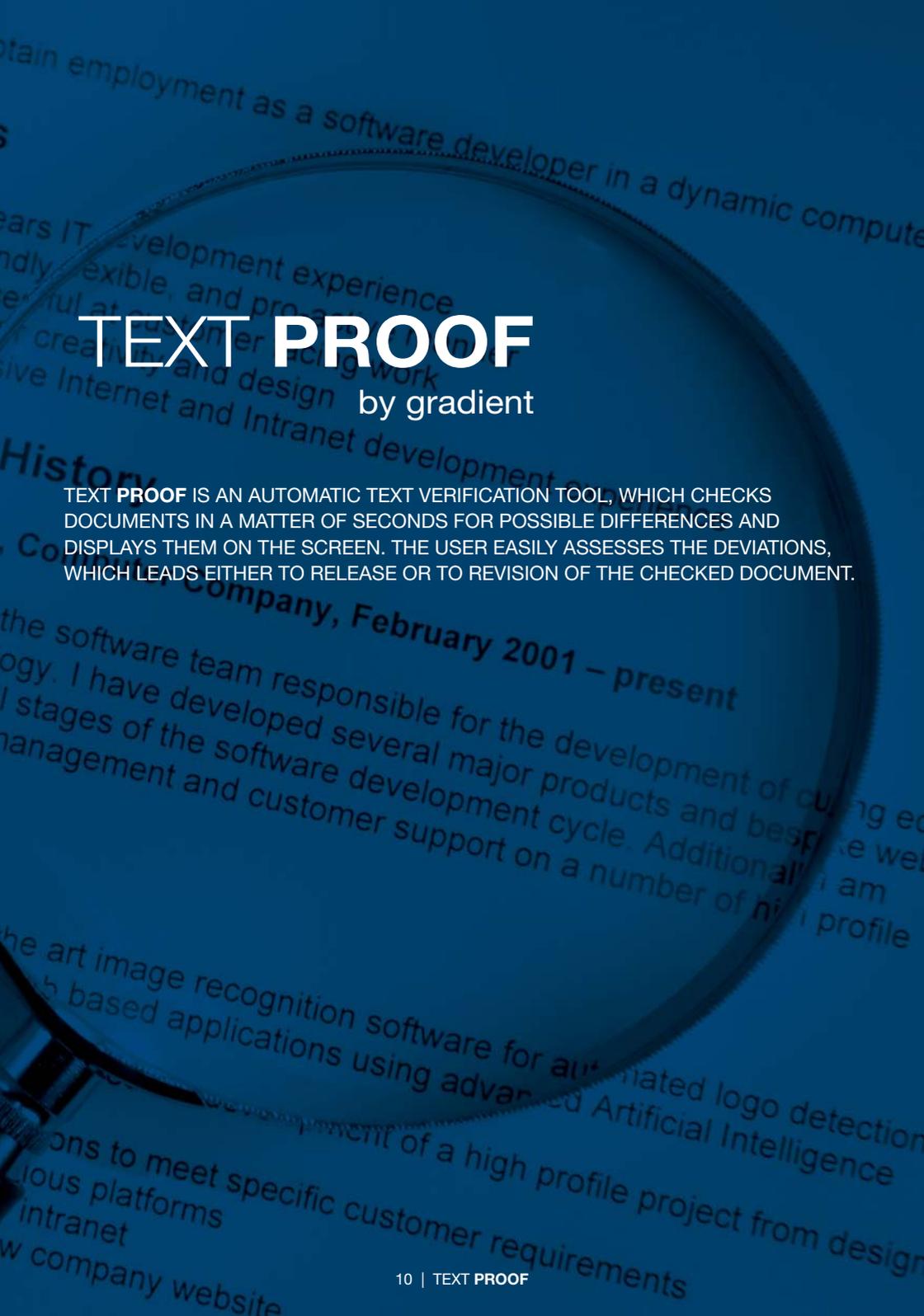
PIXEL PROOF WORKFLOW

All editions overview:

Edition/Function	Reviewer	PrePress	Artwork	Print	Full
Project management	●	●		●	●
User Management	●	●	●	●	●
Artwork inspection (file to file)		●	●	●	●
Print inspection (file to scan)				●	●
Barcode verification		●	●	●	●
Barcode inspection				●	●
Braille verification		●	●	●	●
Braille inspection (DotScan)					●
Color inspection (spectrometer)					●
Automated workflows		●	●	●	●
Workflow split up					●
Import & export plug-in	●				●
Report	●	●	●	●	●
Text Proof			●		

VALIDATION

Pixel Proof has been developed and validated in accordance to GAMP 5.
Pixel Proof meets FDA 21 CFR Part 11 requirements.
gradient.Systemintegration is certified according to DIN EN ISO 9001.

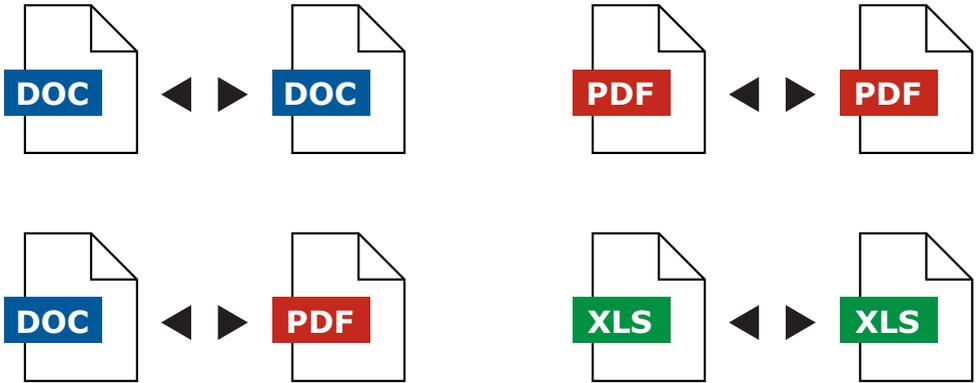
A magnifying glass is positioned over a document with various text fragments. The background is a solid blue color. The text visible through the magnifying glass includes: 'tain employment as a software developer in a dynamic comput', 'ears IT development experience', 'ndly flexible, and pro-active', 'ful at customer facing work', 'creativity and design', 'ive Internet and Intranet development', 'History', 'Company, February 2001 – present', 'the software team responsible for the development of cutting ed', 'ogy. I have developed several major products and bespoke we', 'l stages of the software development cycle. Additionally I am', 'management and customer support on a number of high profile', 'he art image recognition software for automated logo detection', '5 based applications using advanced Artificial Intelligence', 'ons to meet specific customer requirements', 'ous platforms', 'intranet', 'w company website'.

TEXT PROOF

by gradient

TEXT PROOF IS AN AUTOMATIC TEXT VERIFICATION TOOL, WHICH CHECKS DOCUMENTS IN A MATTER OF SECONDS FOR POSSIBLE DIFFERENCES AND DISPLAYS THEM ON THE SCREEN. THE USER EASILY ASSESSES THE DEVIATIONS, WHICH LEADS EITHER TO RELEASE OR TO REVISION OF THE CHECKED DOCUMENT.

Text Proof can compare Word documents, PDF documents, RTF documents or OpenOffice documents with each other. It is, however, only texts that can be checked – not images or graphics. The procedure can be carried out with different files types – for example:



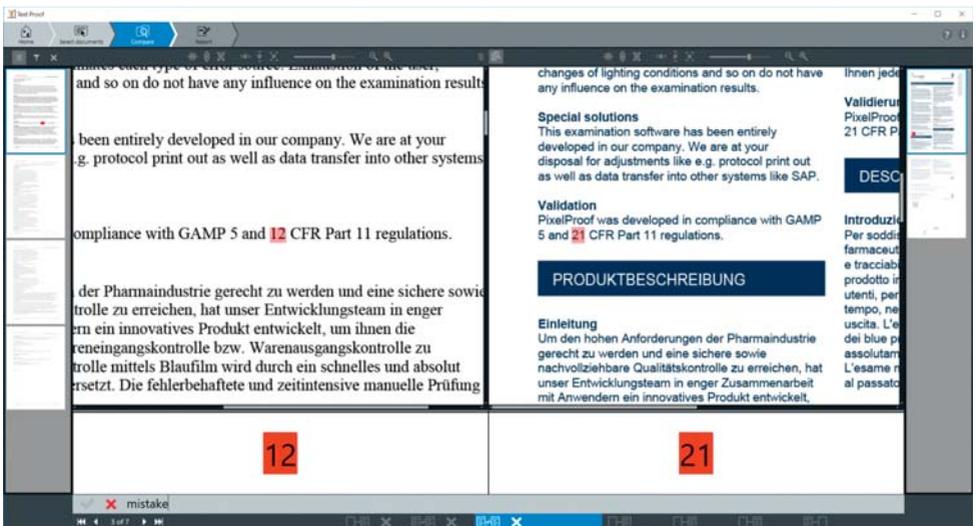
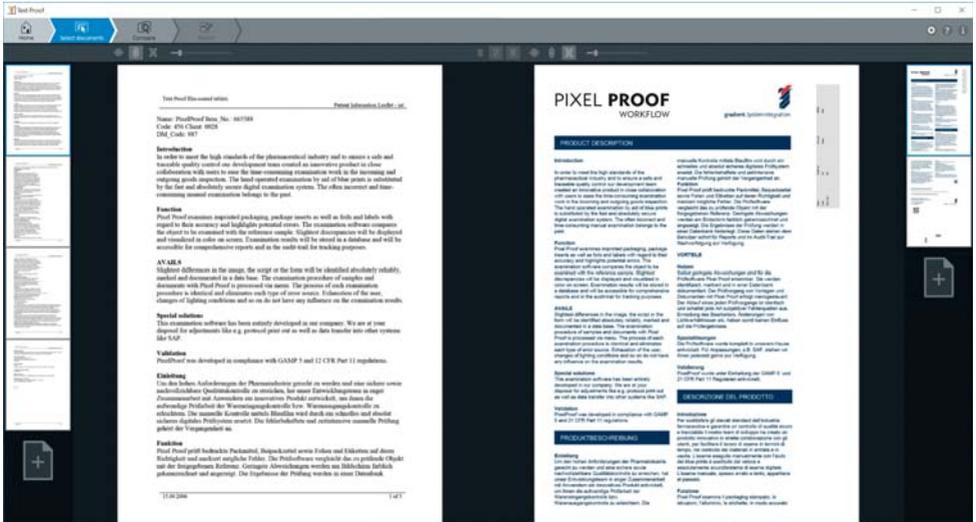
Classic proofreading, involving the painstaking comparison of word for word in a text, is often inadequate for some languages. The process must be broken down into the character layer. Thus, the manual verification of texts is not only time-consuming and strenuous, but also prone to errors.

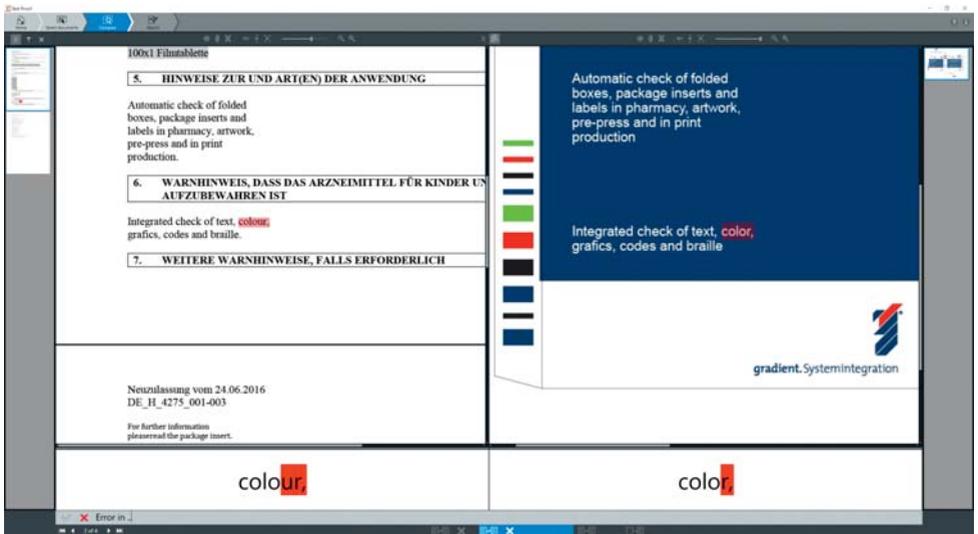
PROBLEMS

- Typographical errors
- Encoding errors
- Missing text and inserts
- Formatting inconsistencies

SOLUTIONS

Text Proof is an automatic text verification tool, which checks documents in a matter of seconds for possible differences and displays them on the screen. The user easily assesses the deviations, which leads either to release or to revision of the checked document.





TEXT PROOF:

- fast, easy and accurate
- multi-lingual
- user customized protocol
- QRD templates
- saves your time and money

ARTWORKPLUS

by gradient

ARTWORKPLUS IS THE ONLY SYSTEM THAT MAKES IT POSSIBLE TO COMPILE, SAVE AND MANAGE (VERSIONING) PARAMETRIC TECHNICAL DRAWINGS, STRUCTURED PACKAGING TEXTS, BARCODES, PICTOGRAMS, IMAGES AND DESIGN GUIDELINES SEPARATELY AND THEN COMBINE THEM INTO A FINISHED ARTWORK.

THE MAIN ELEMENTS OF THE ARTWORKPLUS SUITE

- Connect the awpServer with database interfaces to the Microsoft SQL server, optional
- awpClient BaseTech for parameterizing technical drawings
- awpClient Content for compiling structured packaging texts
- awpClient FinalStep for combining technical drawings, packaging texts and design variants into a final artwork
- Plugin for Adobe InDesign and Adobe Illustrator (CS6 or higher)
- DScript module (graphic programming language DScript)

YOUR ADVANTAGES

HOW IT WORKS

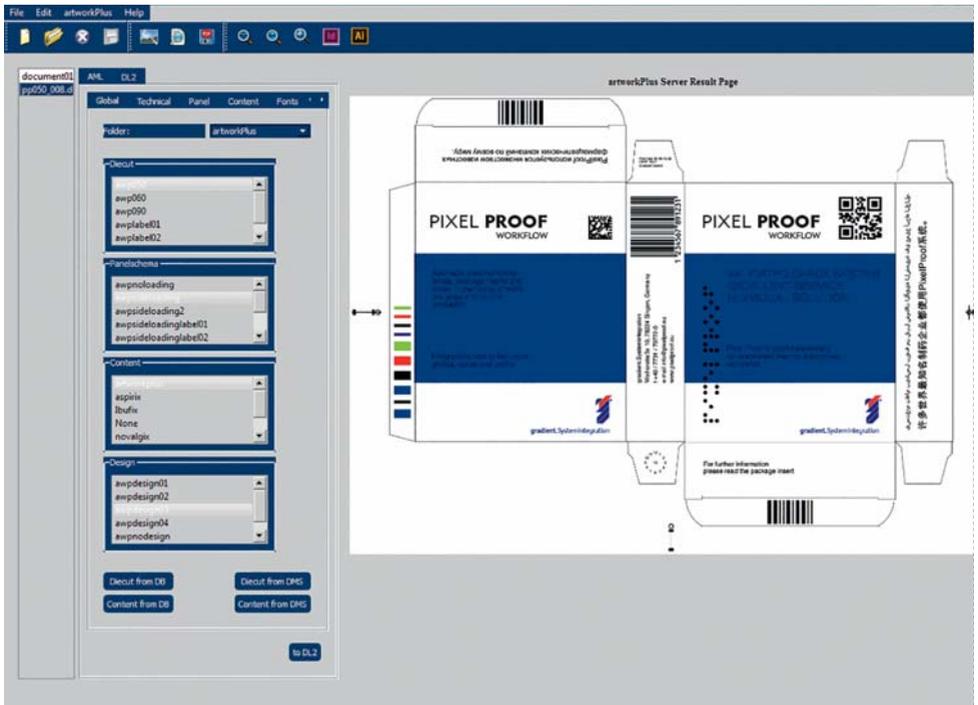
The artworkPlus system saves rules and values in databases. The most important are:

- Technique (variable or fixed contour, technical fields, page rotation direction)
- Manuscript (pictograms, code type and code values, texts)
- Design rules (rules for corporate or product design, fonts, colours, country-specific requirements)

artworkPlus thus enables you to create and change artworks for packaging, such as folded boxes, tubes, labels, outserts, leaflets and brochures, quickly, efficiently and reliably.

ADVANTAGES

- Higher productivity in creating artwork.
- Lower error rate.
- Less staff required.
- Considerable reduction in correction runs.
- Optional interfaces to all areas.



SPECIAL PRODUCT FEATURES

- Modular separation and parameterization between technique/basic design/extended design/text.
- Database-based management of technique, design and text.
- Programmability (especially technique /design).
- Dynamic generation of technical and design templates on the basis of the parameters maintained in the database.
- Automatic implementation of counterfeit security features.
- Option for text verification.
- Processing of standard input and output file formats.
- User friendly Database maintenance.
- Integration of files delivered (e.g. PDF, EPS, Word) with a preflight option.
- Text handling and functionality are equally as up-to-date standard current layout programs (e.g. Unicode capability, tables, style sheets, etc.).

ARTWORKPLUS OVERVIEW

Technical drawings/Technique

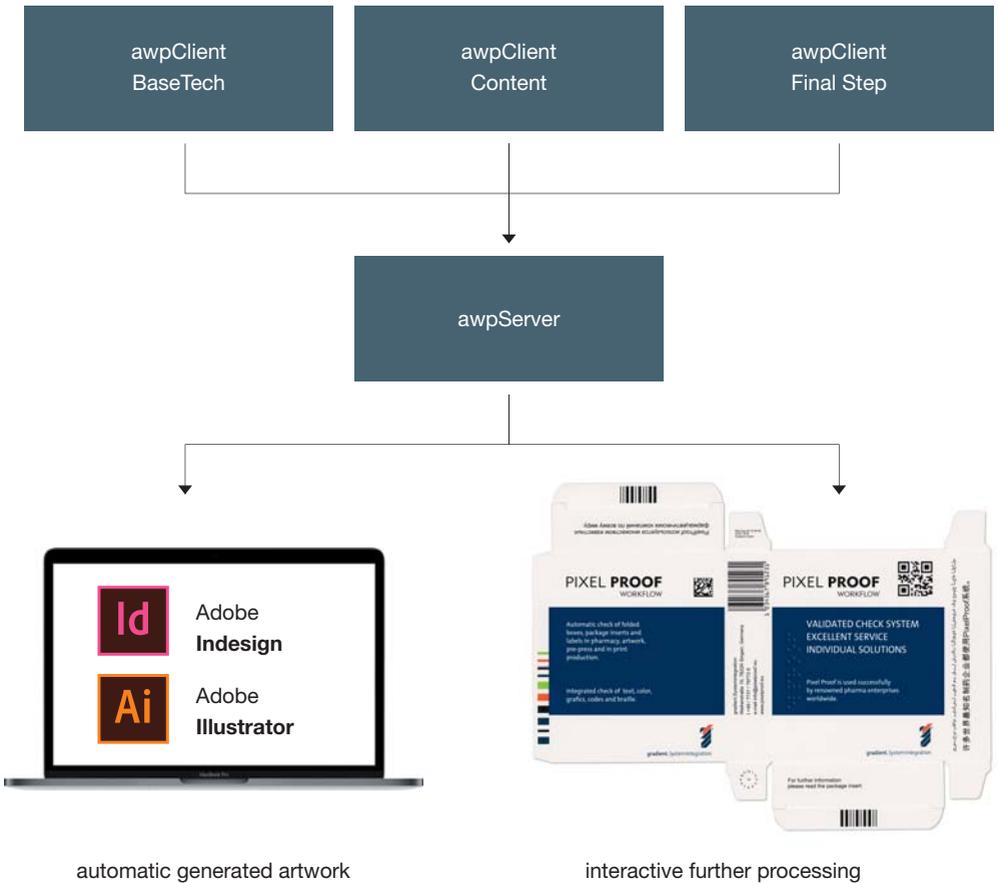
- Import the diecut from CAD
- Add panel properties
- Manage the technical drawings

Texts and pictograms

- General text modules and barcodes
- Allocate the modules to the panels
- Panel-specific text module variants
- Import the text modules from e.g. PIM or SPL

Final assembly

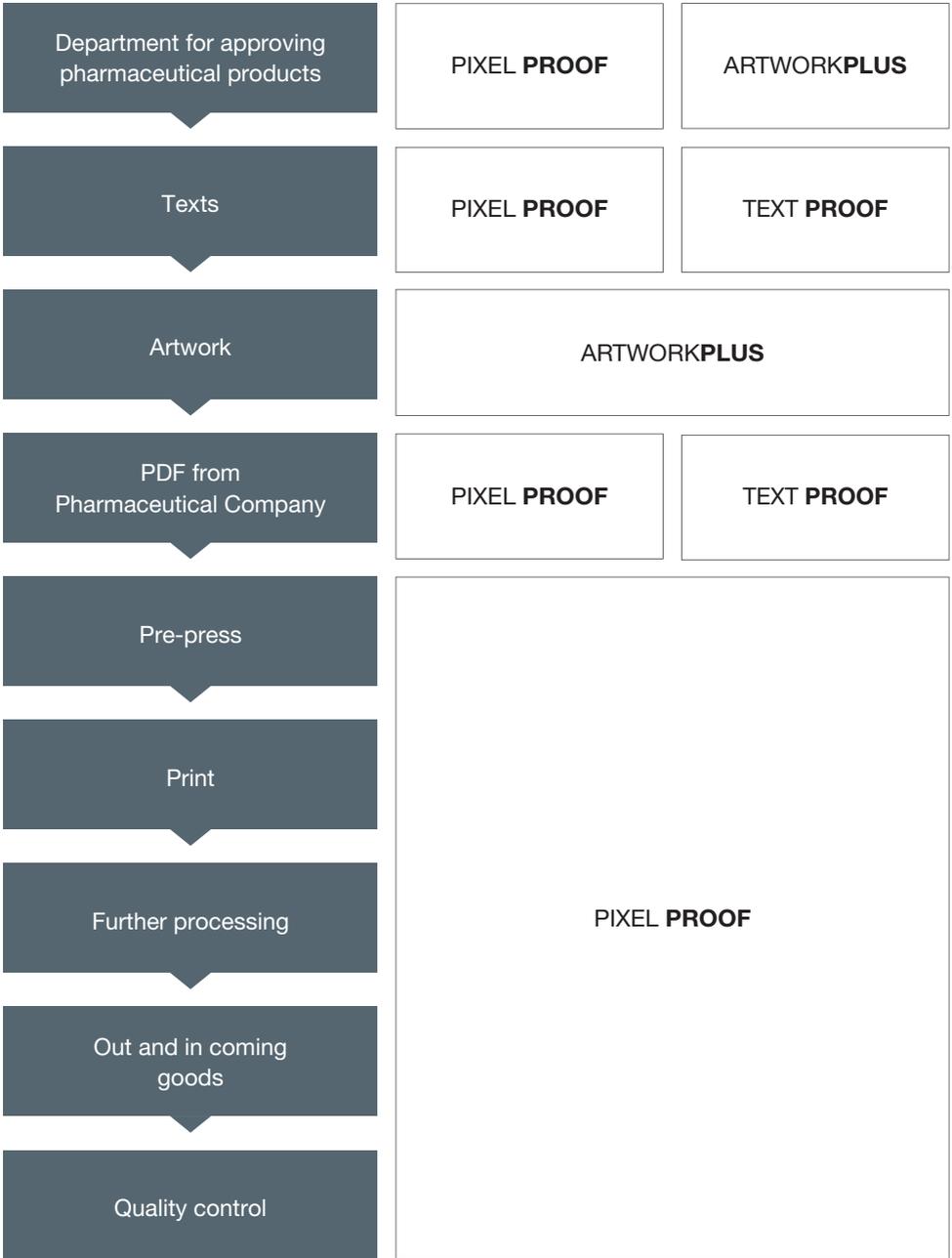
- Import awpBaseTech data
- Import awpContent data
- Automatically generate artwork
- Output file possible in
- Adobe InDesign and Illustrator





GRADIENT PRODUCTS FAMILY
IN THE PRODUCTION PROCESS

PRODUCTION PROCESS SCHEME



gradient.Systemintegration GmbH

Weiherstraße 10,
78224 Singen, Germany
t +49 / 7731 / 79772-0
f +49 / 7731 / 79772-16
e-mail info@gradient.de

