GEFASOFT

Short corporate presentation 2025

GEFASOFT key figures

we design, develop and build machines for the automated manufacturing

more than 180 employees

independent, owned by founders, flexible

ca. 25 Mio € revenue in 2022

founded in 1995

global customer base
(65% export)

GEFASOFT key figures

4.500

SUCCESSFUL AUTOMATION PROJECTS SINCE 1995

LASERS

WITH UP TO

12.000 W

32.000

INSTALLED CAMERAS

260

CUSTOMERS

IN MORE THAN

33 COUNTRIES

ON

5 CONTINENTS

GEFASOFT Locations

headquarter

TechCampus Regensburg
Germany

GEFASOFT automation systems S d RL de CV

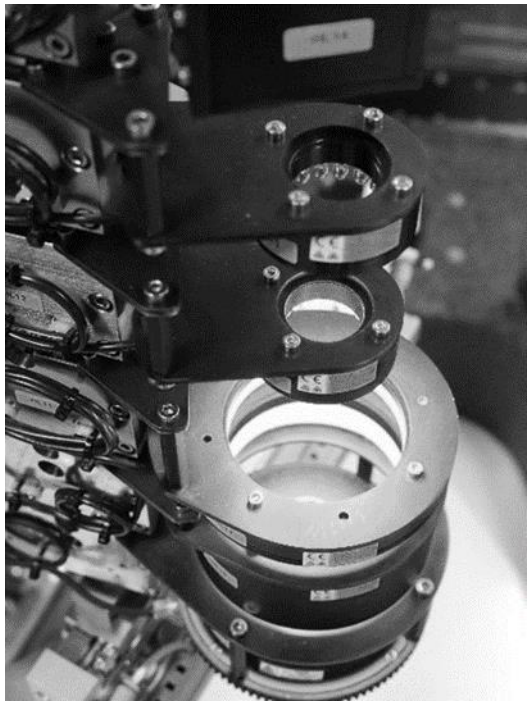
Parque Tecnológico ITESO, Guadalajara
México

BU laser, assembly

Nittendorf
Germany

core competencies @ GEFASOFT

Machine vision



Laser material processing

Automation

Machine vision

GEFASOFT delivers machine vision systems for optical process control to improve yield and reliability in automated processes.

We are a global technology leader for glass inspection and calibration in automotive head-up-display applications

Machine vision with Viper.NET & LUCON

Framework for easy & versatile machine vision solutions.
Configure customer-specific applications, based on standardized building blocks for 2D and 3D imaging

LUCON2® precision LED controller

Viper.NET - modular software framework to develop and run customized machine vision applications

Machine Vision – AOI

Fully automatic optical inspection systems for safety-critical metal parts

see also
https://www.pc-control.net/pdf/042016/solutions/pcc_0416_gefasoft_d.pdf
https://www.youtube.com/watch?v=T8kNfsglAlQ

Laser processing

GEFASOFT delivers systems for state-of-the-art laser welding and
laser material processing in automotive and medical device applications

Laser material processing

GEFASOFT

- consulting in product design
- engineering in process development
- expertise in plastic and metal laser processing
- in-house application lab with equipment for feasibility studies, prototyping, 0-series
- application specific design of laser processing machines

Laser Module for Integration – Marking & Cleaning

Integration module for laser MARKING & CLEANING

a small footprint solution with everything included

- Laser source
- Laser safety
- Device clamping

The **GEFASOFT laser processing module** – either stand-alone or to be integrated in your manufacturing equipment:

Mounting bracket adapted to your device handling

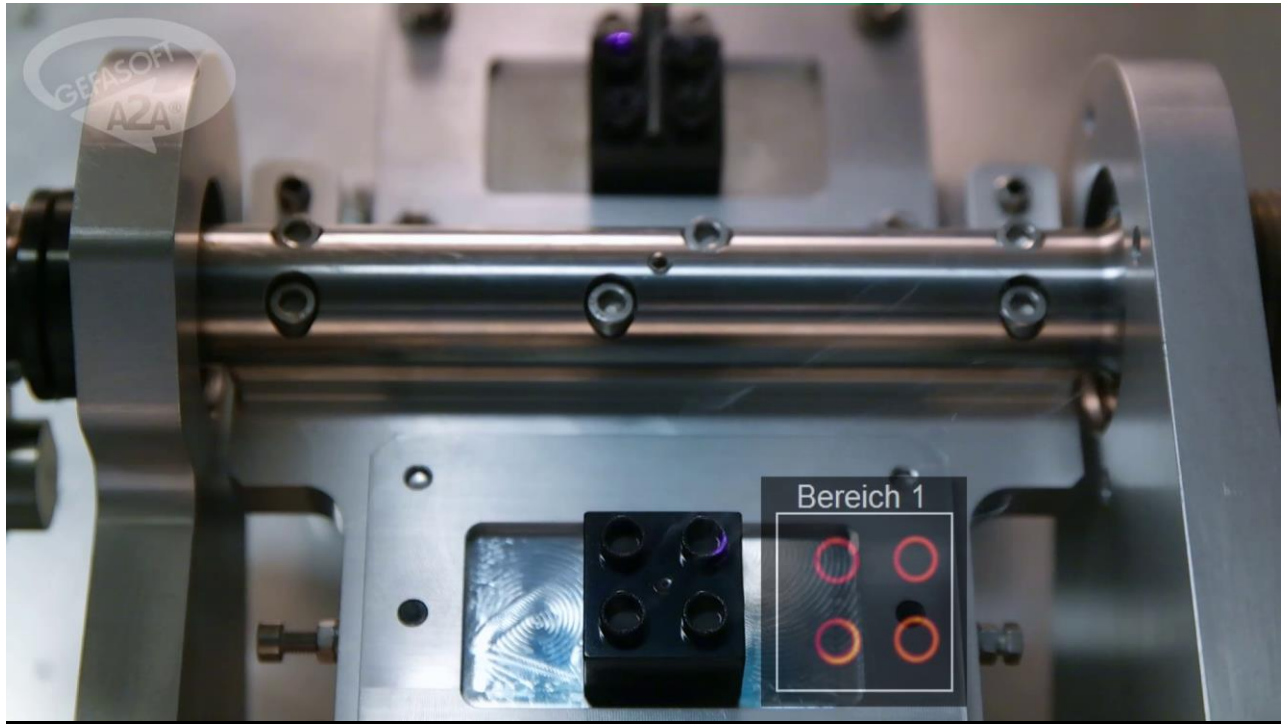
HMI included

Including **integrated laser shutter (Laser Class 1)**

product dimensions 300x220x180mm (further on demand)

Module size 370x660x815mm (plus separate cabinet)

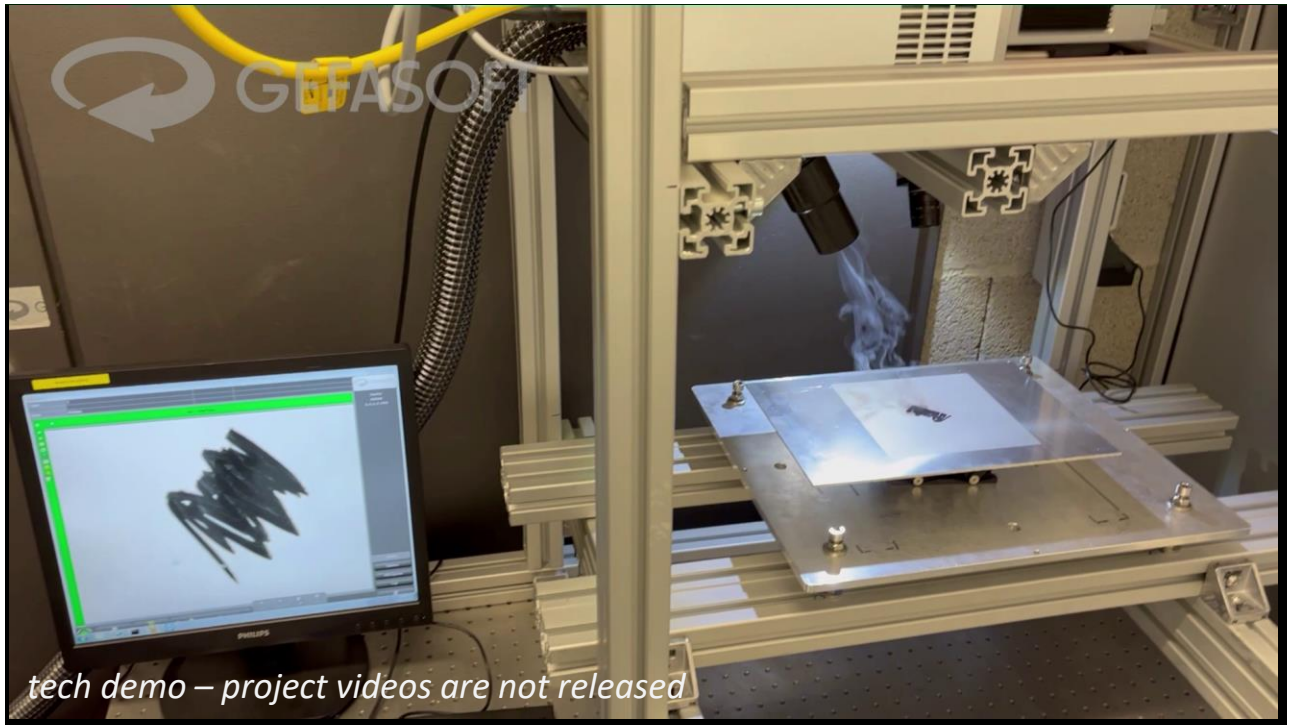
GEFASOFT laser systems – A2A Solution



https://youtu.be/2n9CkK5nOb4?si=Cp8RGDrUzI_FGEsC

Vision-guided laser processing

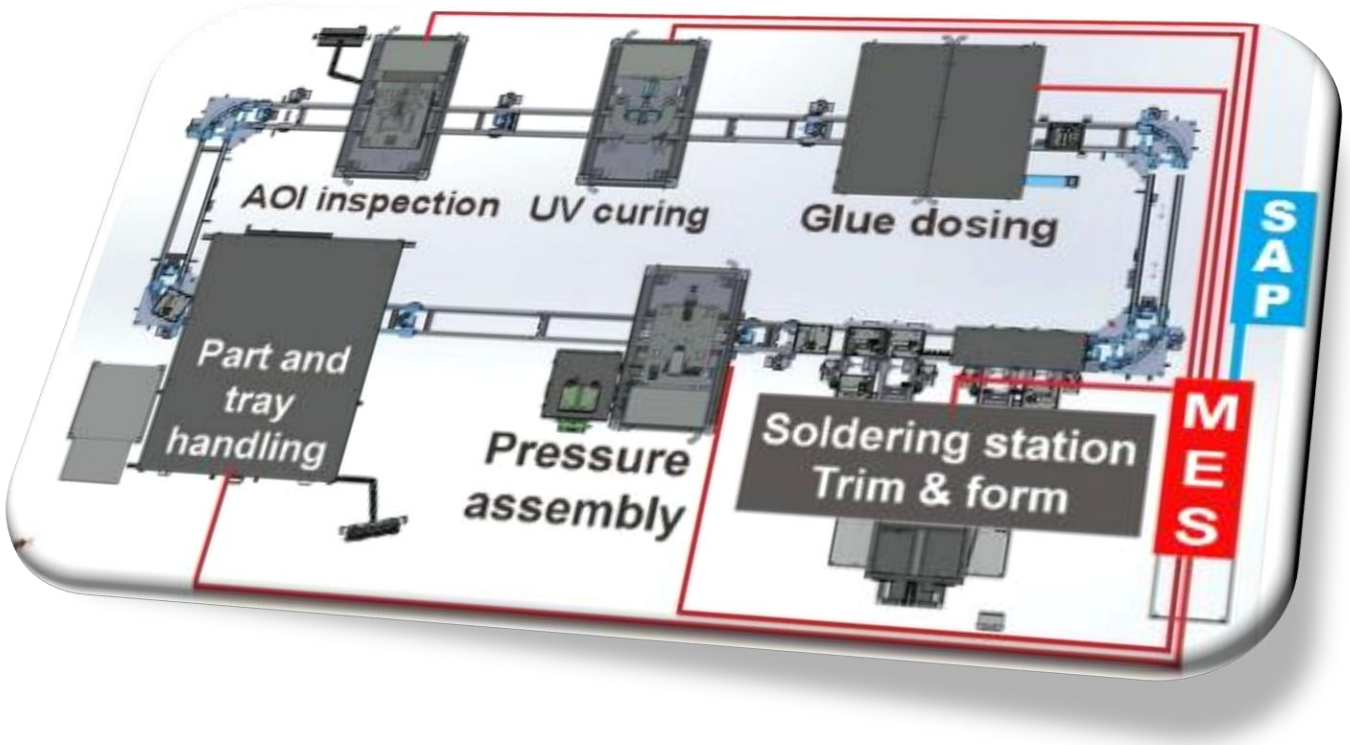
Flexible iterative laser cleaning



- Part position detection
- Non-conformity detection
- Cleaning of non conform regions only (no effect on base material)
- Re check by vision system
- (if needed additional cleaning loop)

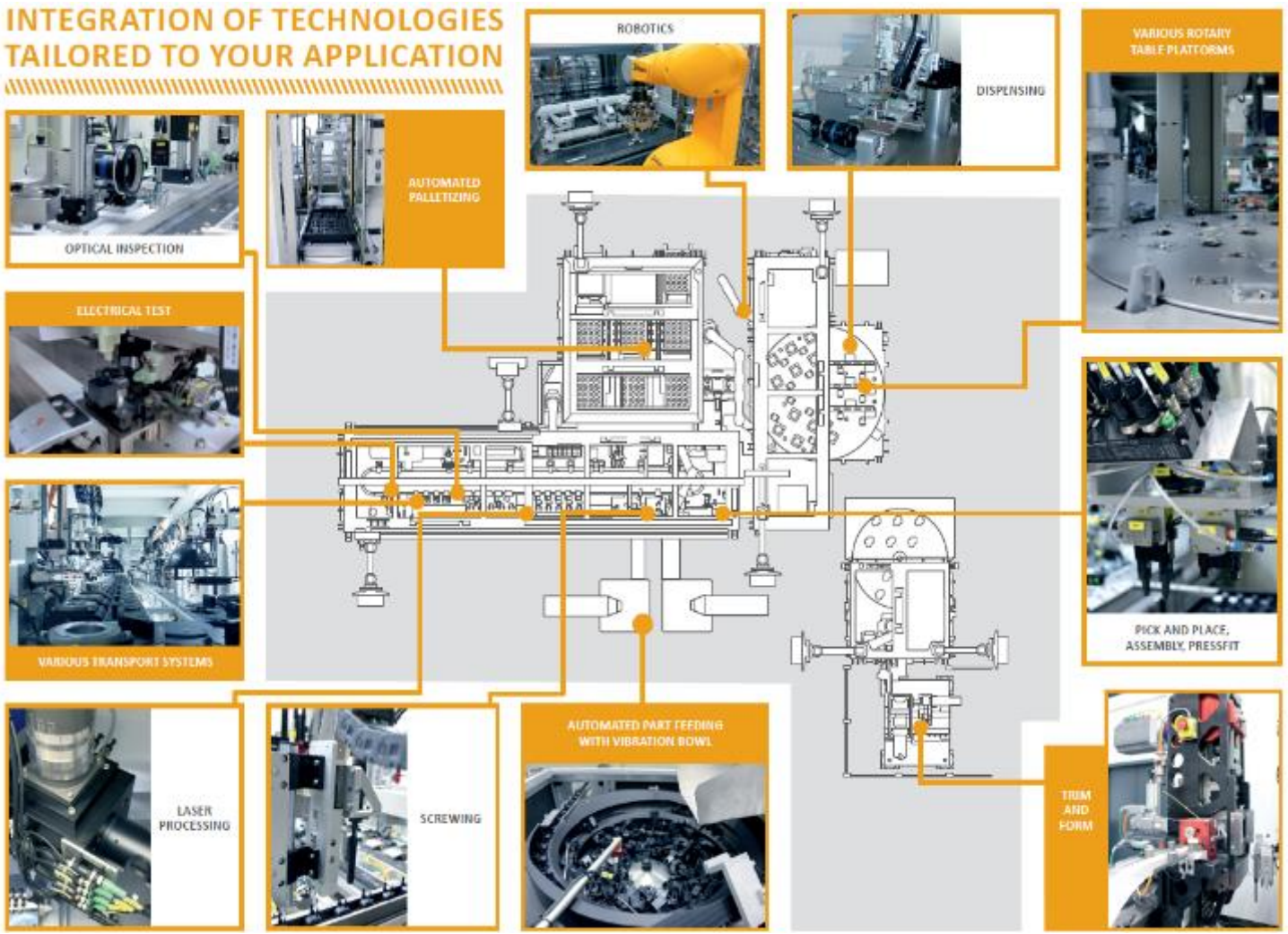
customized automation

our core competencies in machine vision, laser material processing, servo press and robotic handling are combined to deliver a turnkey solution for assembly & test



Automation examples

Product specific – project specific – customer specific

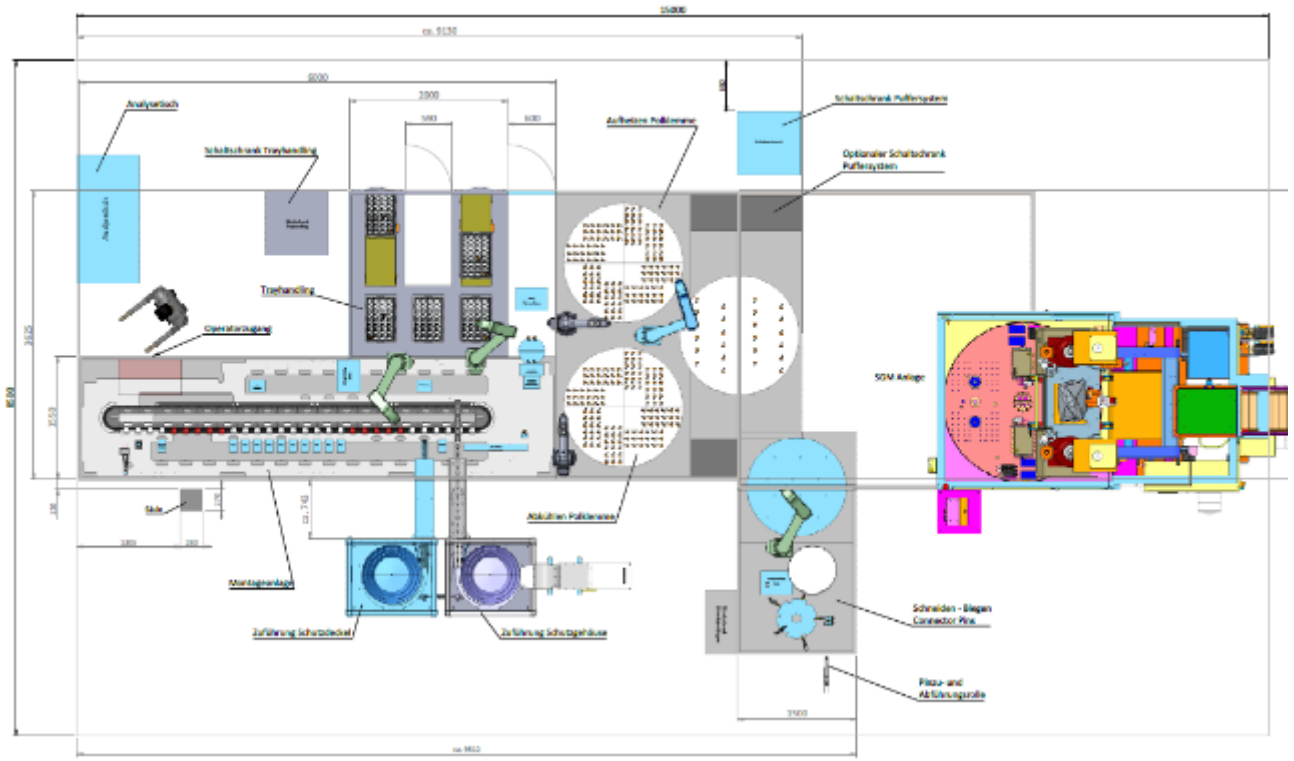


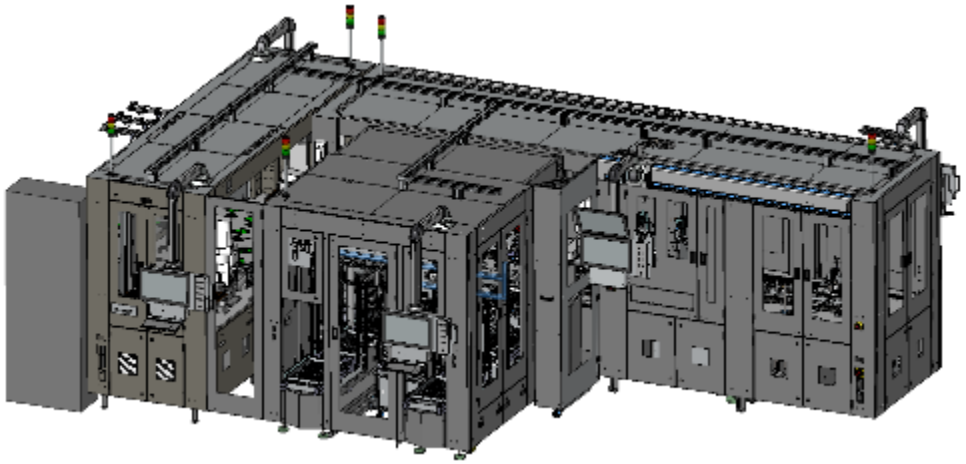
- engineering expertise
- seamless process integration incl. laser, machine vision, servo-press and assembly
- data and software integration
- efficient feeding systems
- various transport systems

Automation examples

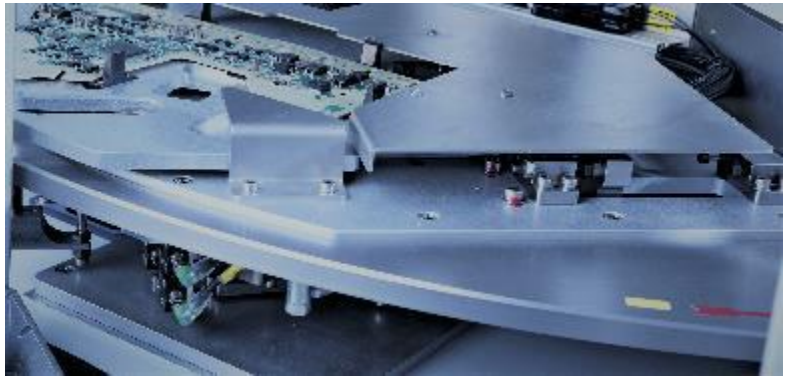
automated assembly

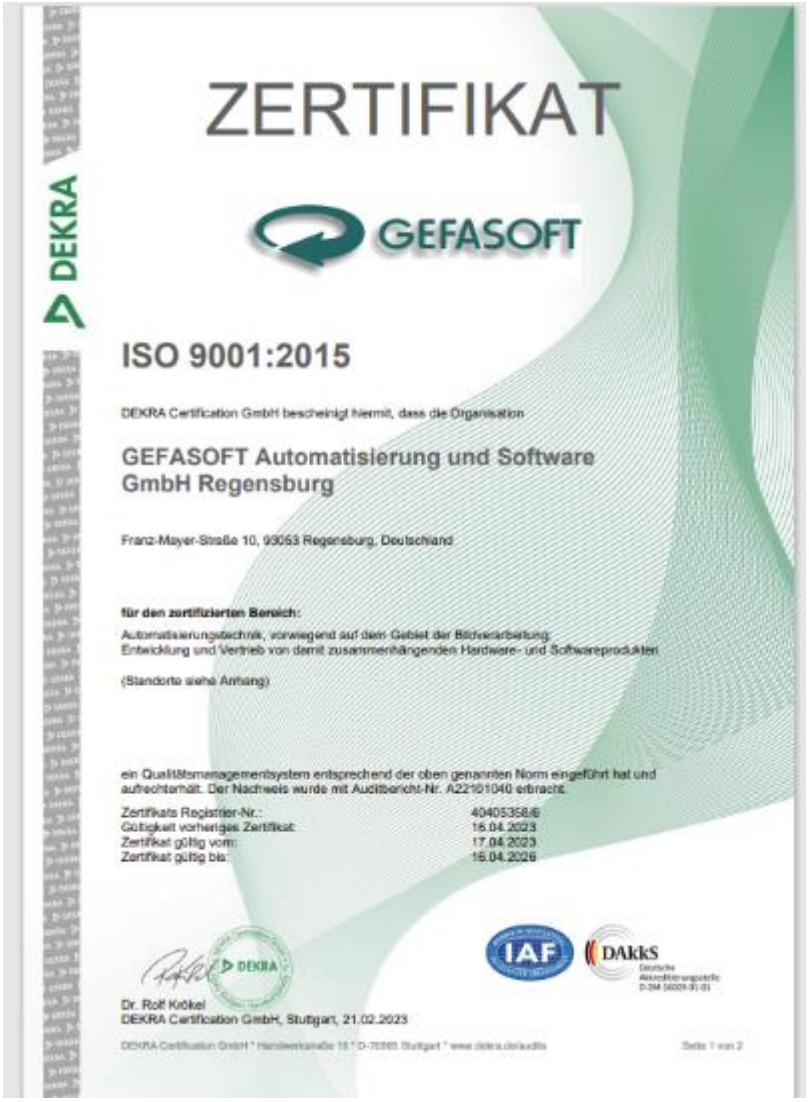
fully automated line
incl. trim / form, IR staking and connected molding





Gcell PressFit - force-distance-monitored pressing of multipin connectors into PCB





DEKRA

ZERTIFIKAT

GEFASOFT

ISO 9001:2015

DEKRA Certification GmbH bescheinigt hiermit, dass die Organisation

GEFASOFT Automatisierung und Software GmbH Regensburg

Franz-Mayer-Straße 10, 93053 Regensburg, Deutschland

für den zertifizierten Bereich:

Automatisierungstechnik, vorwiegend auf dem Gebiet der Bildverarbeitung;
Entwicklung und Vertrieb von damit zusammenhängenden Hardware- und Softwareprodukten

(Standorte siehe Anhang)

ein Qualitätsmanagementsystem entsprechend der oben genannten Norm eingeführt hat und aufrechterhält. Der Nachweis wurde mit Auditbericht-Nr. A22101040 erbracht.

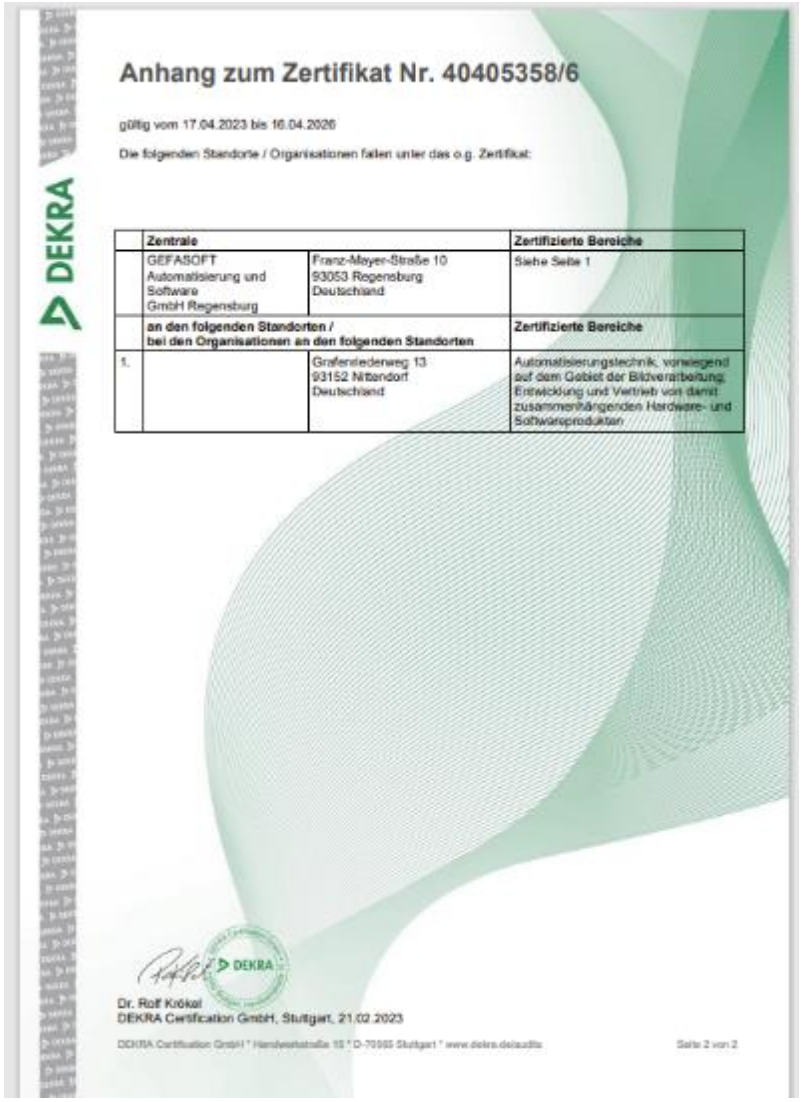
Zertifikats Registrier-Nr.:	40405358/6
Gültigkeit vorheriges Zertifikat:	16.04.2023
Zertifikat gültig vom:	17.04.2023
Zertifikat gültig bis:	16.04.2026

DEKRA

IAF

DAkkS

Dr. Rolf Krökel
DEKRA Certification GmbH, Stuttgart, 21.02.2023



DEKRA

Anhang zum Zertifikat Nr. 40405358/6

gültig vom 17.04.2023 bis 16.04.2026

Die folgenden Standorte / Organisationen fallen unter das o.g. Zertifikat:

	Zentrale		Zertifizierte Bereiche
	GEFASOFT Automatisierung und Software GmbH Regensburg	Franz-Mayer-Straße 10 93053 Regensburg Deutschland	Siehe Seite 1
	an den folgenden Standorten / bei den Organisationen an den folgenden Standorten		**Zertifizierte Bereiche**
1.		Grafenliederweg 13 93152 Nittendorf Deutschland	Automatisierungstechnik, vorwiegend auf dem Gebiet der Bildverarbeitung; Entwicklung und Vertrieb von damit zusammenhängenden Hardware- und Softwareprodukten

DEKRA

Dr. Rolf Krökel
DEKRA Certification GmbH, Stuttgart, 21.02.2023