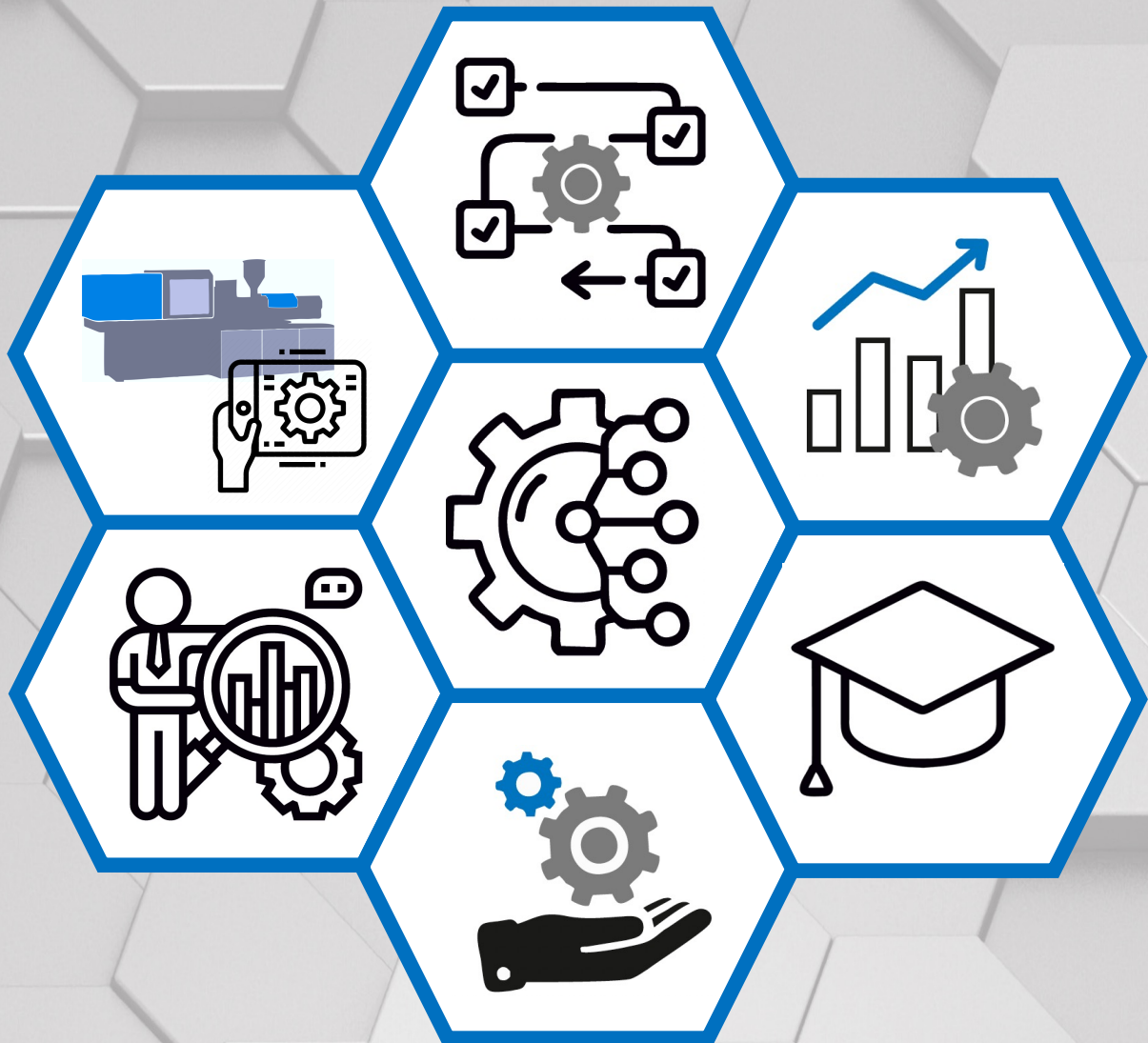


Ingenieurbüro

SCHÖTZ

KUNSTSTOFFTECHNIK GmbH

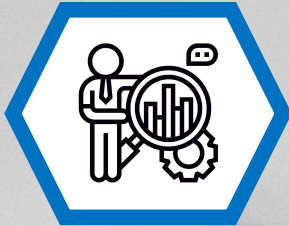


We will show you specific solutions,
that sustainably improve your business!

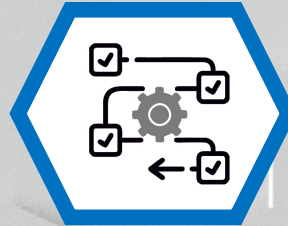
The company

As an external and competent consulting partner, we have set ourselves the task of providing your company with comprehensive, individual, practical and innovative support in the field of injection molding technology with our many years of practical experience and expertise, in order to contribute to your economic success.

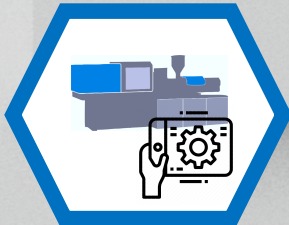
Ingenieurbüro Schötz Kunststofftechnik GmbH, based in Schwarzenbruck near Nuremberg, specializes in the following services in the field of injection moulding technology:



Technical Consulting



Process optimization



Accompaniment of Sampling



Injection Molding Academy



Software & Digital transformation

Our philosophy

"We develop practical solution concepts that take into account the technical objectives and economic interests of our customers. The focus here is on customer satisfaction and a lasting partnership."



Managing Director
Dipl.- Ing.(FH)
Andreas Schötz

Our visions

We impress with our exceptional commitment, reliability, innovative services and technology.

IMG®

Injection Molding Guide

*"Your path to a fully standardized & digital **"red thread"** through mould sampling to running series production..."*



The smart IT concept for
Mould sampling
& series processes



What is the status quo?

Do you also struggle with one or more of the top 10 problems, during sampling and in running series processes throughout the company?



lack of **DATA TRASFER**



lack of **COMMUNICATION**



incomplete **DOCUMENTATION**



none **WORKFLOW-SUPPORTED PROCESSES**



very many **DATA ISLANDS**



little **Time & RESOURCES**



insufficient **DIGITALIZATION**



suboptimal **NETWORKING**



not optimal **PROCESS SAFETY**



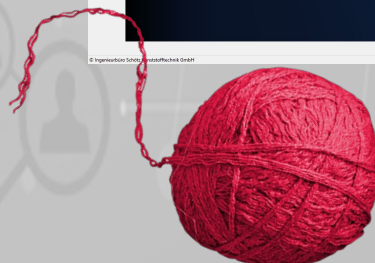
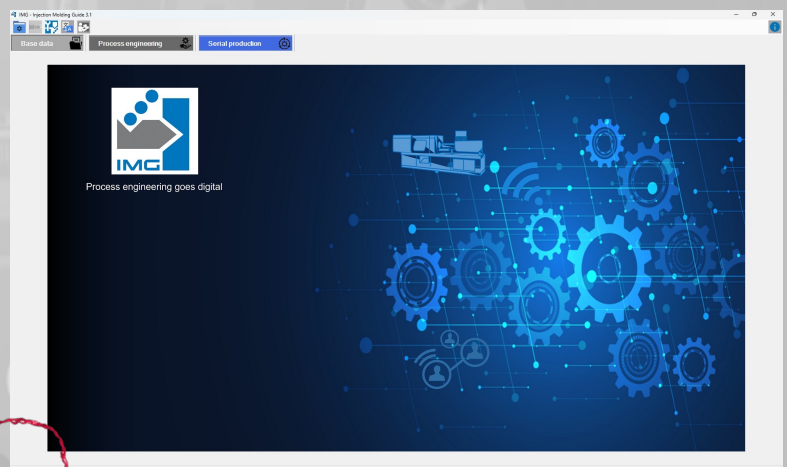
Shortage in specialized staff



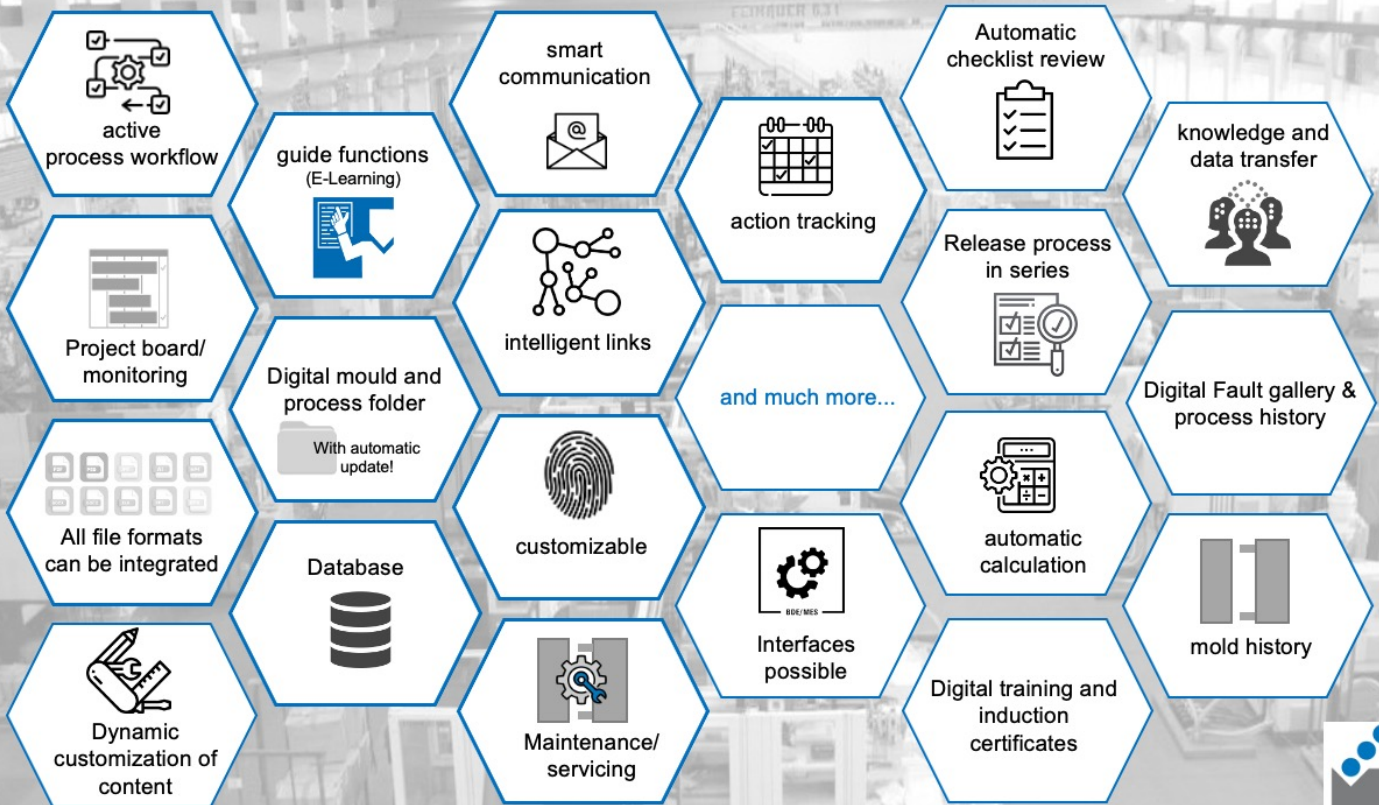
Based on these top 10 problems, Ingenieurbüro Schötz Kunststofftechnik GmbH has developed and perfected the **IMG Injection Molding Guide (IMG)** IT platform from practical experience for practical use in order to offer your company a fast, sustainable, efficient and digital transformation solution.

Our smart IT concept

The IMG enables a process-oriented and user-friendly standardized, digitalized and at the same time networked platform in the company that can be used by all departments such as project managers, developers, designers, quality assurance, toolmaking and production. As a workflow-supported control system, the platform also offers a digital transformation of your entire process engineering right through to series production.

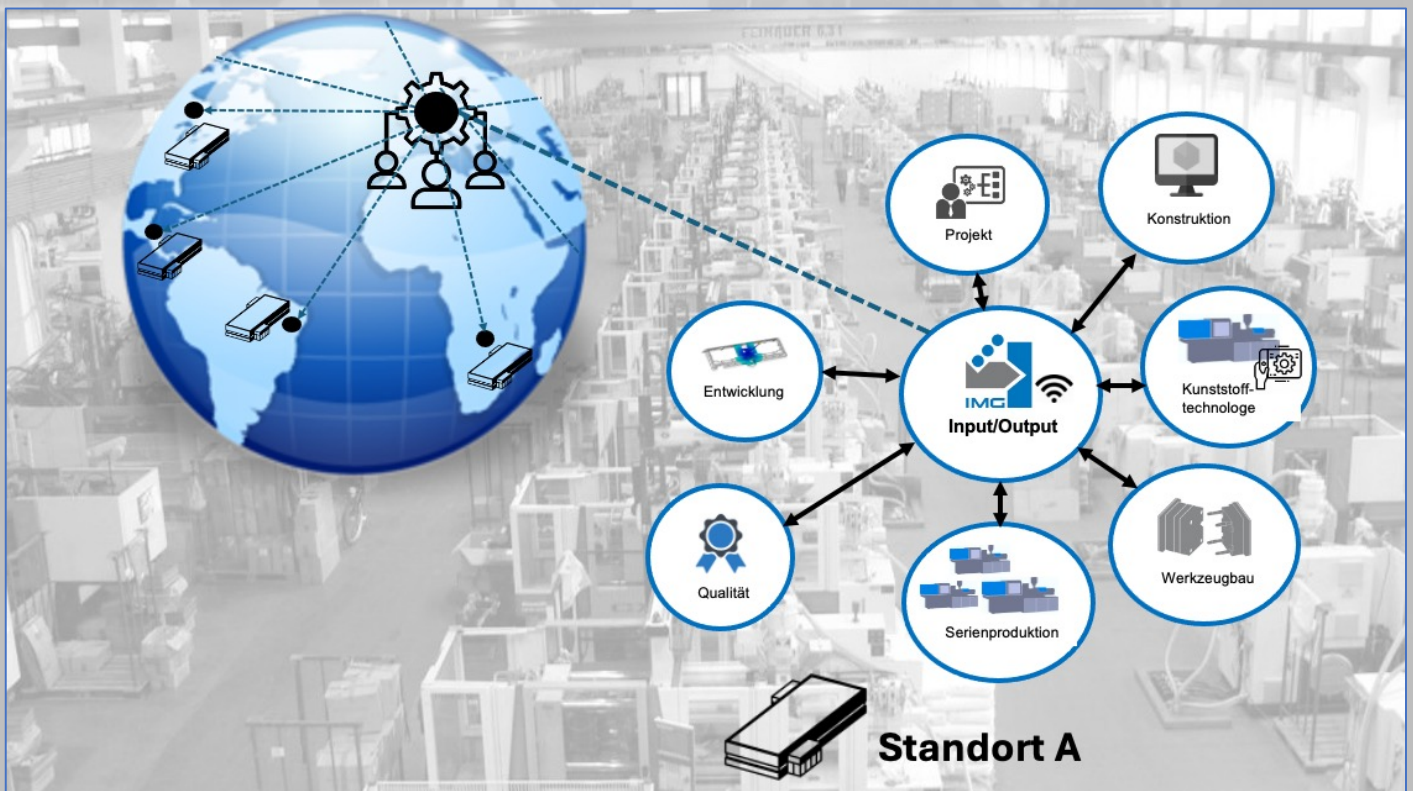


Numerous "smart features" simplify your daily "doing"

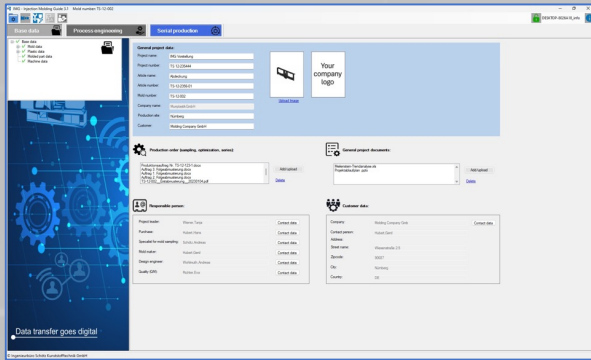


Network with IMG internally, nationally or worldwide...!

Many companies have other plants around the world in addition to their headquarters. Use the IMG software here too to live your standardized process nationally or globally, injection moulding processes together, to assess or help with problems support.



Master data: Planning, preparation & data transfer

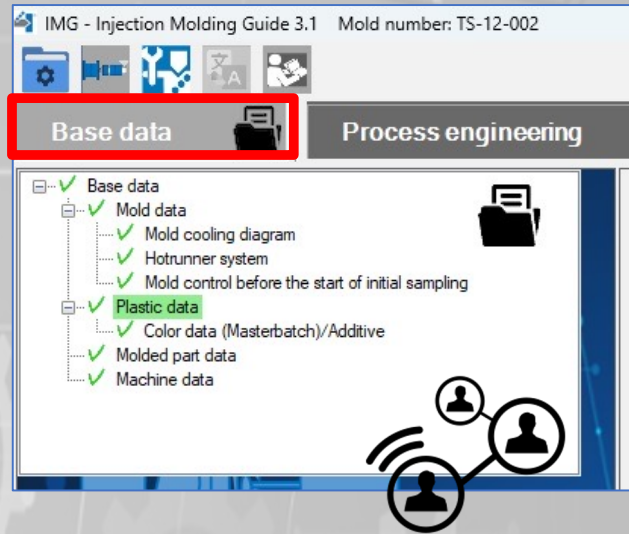


- The internal database can be used to save all the data created, such as the plastic to be processed or the injection molding machine used.
- Documents, templates, images and photos can be integrated and edited.
- Numerous links from the master data later contribute to more effective, time-saving processing of the individual steps in the software.

With the help of IMG master data, time resources can be saved in advance.

The IMG offers the following advantages:

- Data can be stored fast and easily and serve as information and data transfer for the individual departments throughout the entire sampling and subsequent series production process.



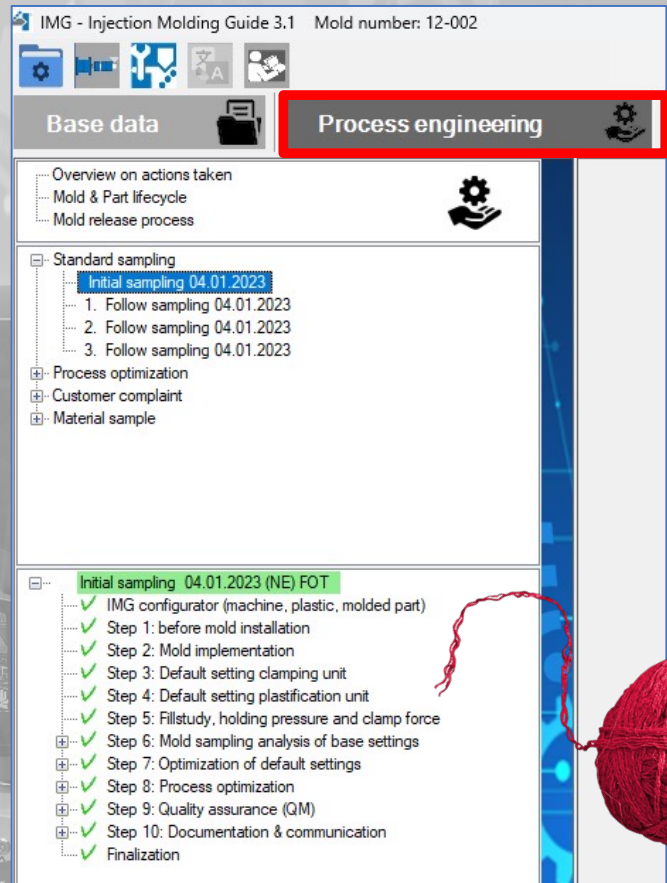
Process engineering: Operational implementation on the injection molding machine

The IMG supports you in the systematic procedure and guides you through the entire sampling phase or an upcoming process optimization of a running series process.

- ✓ Workflow-supported control system
- ✓ Individual checkboxes
- ✓ Guided process analysis
- ✓ Documentation with integrated Checklist review
- ✓ Determination of measures
- ✓ Tracking functions for all measures
- ✓ Process release in series production

...and much more

#digital@work



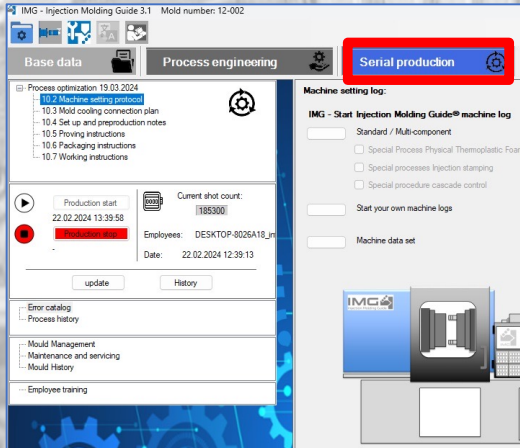
Process engineering meets series production



Series production

The process engineering and its challenges in everyday life do not end with the sampling process. Continue to benefit from all the advantages of IMG throughout your entire production life cycle.

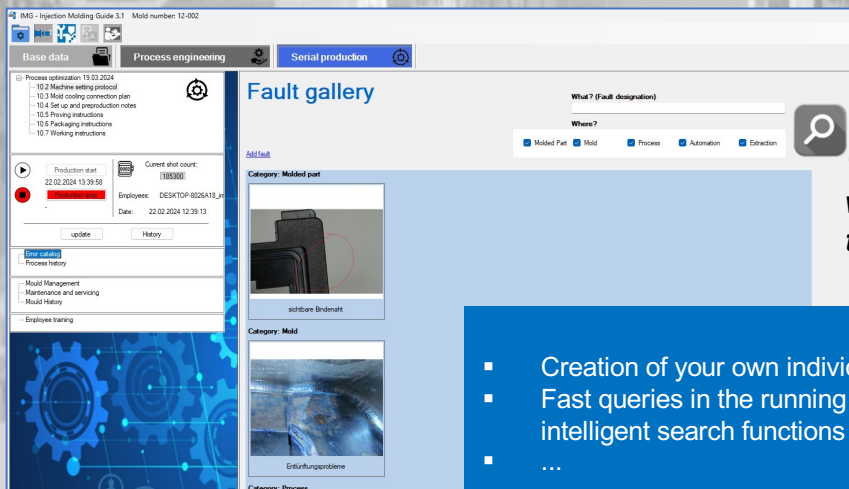
Digital process folder



Advantages of the IMG:

- No more paper on the machine
- Automatic update after each release process
- Save the master setting (data set) & all relevant production documents
- High process reliability and fast data transfer on the machine
- ...

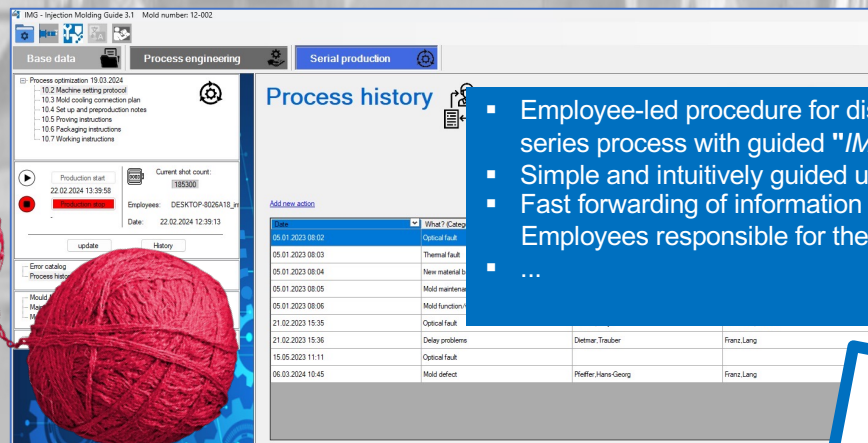
Error catalog



"Best practice" assistance with problems that arise in the running series process.

- Creation of your own individual error database
- Fast queries in the running series process using intelligent search functions
- ...

Process history



100% knowledge and Traceability of what happens in the series process!

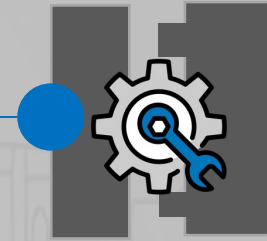
- Employee-led procedure for disruptions in the running series process with guided "IMG process check"
- Simple and intuitively guided user screens
- Fast forwarding of information to Employees responsible for the process
- ...

...and much more!

Your digital safeguard for series production!



Smart & intelligent Tool maintenance & history



Now with a new integrated module for tool maintenance and servicing

Maintenance and servicing for molds

Advantages of the IMG:

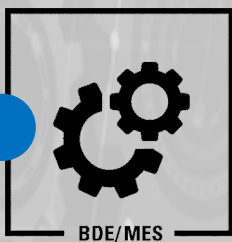
- Smart & intelligent functions
- No accompanying documents in paper form on the mold
- Manual shot counter included
- Automatic notifications by e-mail
- Maintenance and tool history in combination for optimum life cycle documentation
- Overview of all open maintenance work and much more...



Mold history

[Add new action](#)

Category	What?	How?	with number of shots	by date	Carried out by
Care and mould maintenance	surfaces	Wet vapour spraying	100000	14.02.2024 10:16	Pfeffer, Hans-Georg
Care and mould maintenance	surfaces	Wet vapour spraying	100000	14.02.2024 15:13	Dietmar, Trauber
repair	Replacement of parts	Einsatz	150000	19.02.2024 09:38	Pfeffer, Hans-Georg



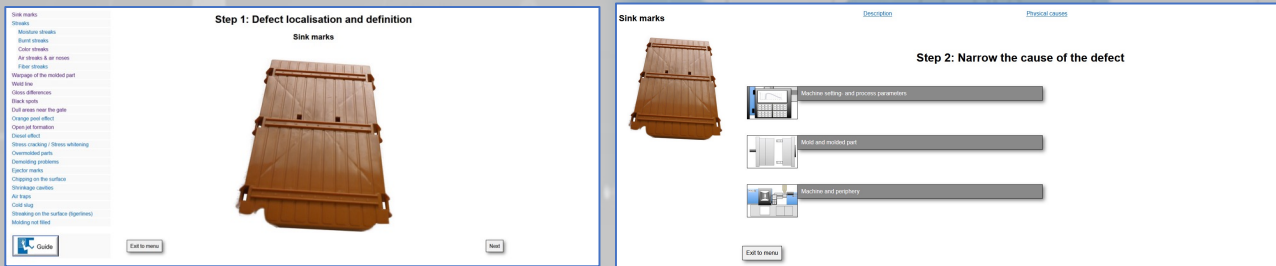
Interfaces to existing systems such as ALS, ProSes etc. possible!



All your moulds simply & transparently at a glance!

Including: Injection Molding Doctor®

Every employee can implement systematic and structured error detection through to Definition of measures and optimization strategies in three fast and effective Implement these steps on site at the machine.

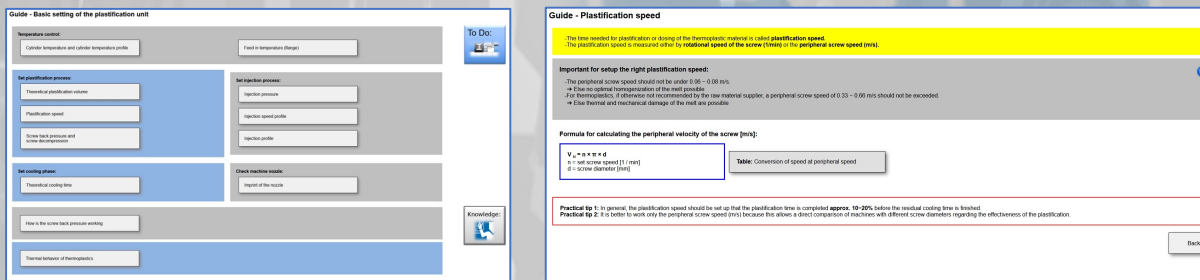


- With the Injection Molding Doctor® even more effective your possible causes of the fault narrow down
- Faster finding of the right solution strategy on the machine
- Divided into thermal, optical or functional problems
- The Doctor helps here in a structured way as a guidance system



Included: IMG guide functions

If the user needs more background information during the running sampling or process optimization, e.g. for the setting strategy of the basic setting of machine setting and process parameters, the integrated guide with numerous instructions, graphics, tables, photos/images implements all sampling or optimization steps in a targeted manner.



- Well-founded expertise in every situation of "process engineering" in the Company is the basis for economic success

Using the IMG internationally...

Language package included

The IMG is completely switchable to the English & Czech language...



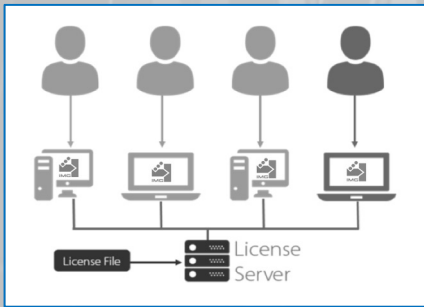
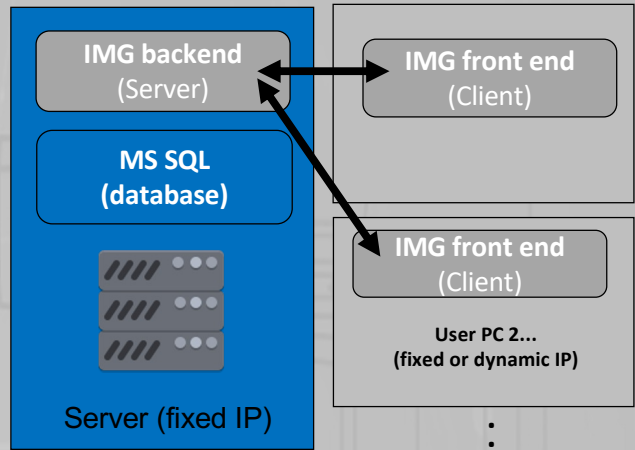
Coming soon!

Further language packs are being implemented!

IMG architecture

Function: Client/Server implementation

The client-server model (also known as the client-server concept, architecture, system or principle) describes the possibility of distributing all IMG content within a network. The IMG software is divided into IMG frontend (clients) and IMG backend (server).



License model: Floating (concurrent)

With the concurrent user license model, the IMG software itself can be installed on any number of computers. A central server manages the licenses.

IMG Benefit

Why should you also implement the IMG?

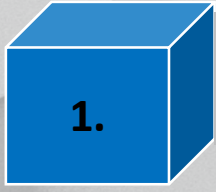
With our IT platform, your sampling and subsequent Series processes throughout the company:

A must have!
Increase your own performance and competitiveness!

faster	more efficient/ more productive	more structured	more systematic	more digital	more standardized
Workflow supported	more networked	clearer	safer	more qualitative	energy more economical
more documented	paperless	Not excel	Data silo solved	more communicative	knowledge richer

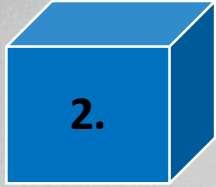
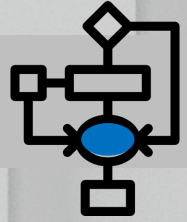
to significantly save costs, time and resources.

Our solution modules for your successful implementation!



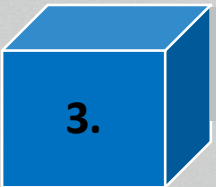
"Laying the foundations"

Optimized process standards ensure successful
Create a basis.



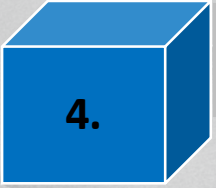
The IT platform IMG as a "toolbox"

Your process standards digital@work 100%
can implement.



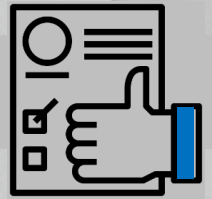
"Proof of concept"

Holistic application in the company



"Process validation"

The finishing touches & conclusion



**Arrange a
consultation now!**



Excerpts from our IMG community





Injection Molding Academy

For your success!



„Easy & schnell den richtigen Workshop für sich finden...“

Es stehen Ihnen neue innovative Schulungskonzepte bzw. Themen zur Auswahl. Neben den wichtigen Basis- und Aufbauschulungen wird verstärkt das Thema Weiterbildung, die interne Workflow- und Prozessoptimierung, Digitalisierung und Energieeffizienz im Fokus stehen.



Semi-skilled employees/career changers without specific vocational training



development, construction



Quality



Process mechanic for plastics and rubber technology/plastics technologist



injection molding toolmaking



Purchasing, sales, managers, project managers



Master craftspeople, technicians, engineers



Production and process managers



apprentice

Your training at the Academy or at your company as in-house training?



Academy

Far away from the daily work routine, your participants can concentrate on the topics, which are based on practical experience, under optimal learning conditions. To this end, highly trained trainers with practical experience and a modern training room are available to the participants.



In-House

When we hold a training session at your company, we can address the situation of your company in a much more differentiated way and tailor the training to your specific needs. We would be happy to develop a customized training concept based on the existing training program.

“Learning is like rowing a boat against the current. If you stop, you fall back behind.”



Our Academy training courses:

Expand your knowledge
and improve your
performance!

IHK exam preparation	Target audience:	Location:	Duration:	Level:	Handout:
P01 Preparatory course IHK-AP2 Specializing in molded parts (injection molding)		 In-House	 2 days	 Basic	 File
Basic	Target audience:	Location:	Duration:	Level:	Handout:
B01 Basics of injection molding technology	 	 In-House	 2 days	 Basic	 File
B02 Defect prevention in injection molding (main focus: production)	 	 In-House	 2 days	 Basic	 File
Expert	Target audience:	Location:	Duration:	Level:	Handout:
E01 Sampling of injection molded parts Structured and analytical	 	 In-House / Academy	 2 days	 Expert	 File
E02 Thermography	 	 In-House / Academy	 1 day	 Expert	 File
E03 Mistake prevention in injection molding (focus on development/construction)	 	 In-House / Academy	 2 days	 Expert	 File
E04 Interpreting simulation results correctly	 	 In-House / Academy	 1 day	 Expert	 File
E05 Energy efficiency in injection molding	 	 In-House / Academy			 File

All training courses
currently only in German!

From
practitioners for
practitioners!

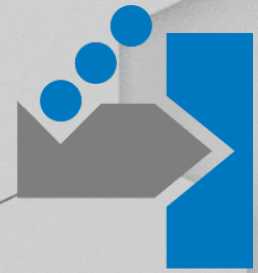
Enquiries by e-mail are fast and easy:

info@kunststofftechnik-ingenieurbuero.de

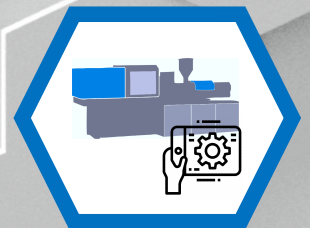
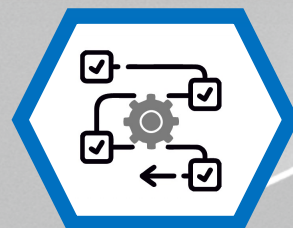
Ingenieurbüro

SCHÖTZ

KUNSTSTOFFTECHNIK GmbH



Technical counseling



Technical counseling

The engineering firm offers you a wide range of services, from comprehensive consultancy to individual technical advice and on-site project support.

You want to know about your company...

- How it compares to other companies?
- What necessary potential for improvement there is?
- How to implement this potential for improvement in practice as fast as possible?
- How you can integrate employees from all departments into the improvement process?
- What strategic realignment is necessary?
- and much more...

Book an on-site status analysis within the next two days!

Our holistic concept is a structured and analytical approach to targeted individual assessment, evaluation, consulting and subsequent optimization of all crucial processes in your company, such as:

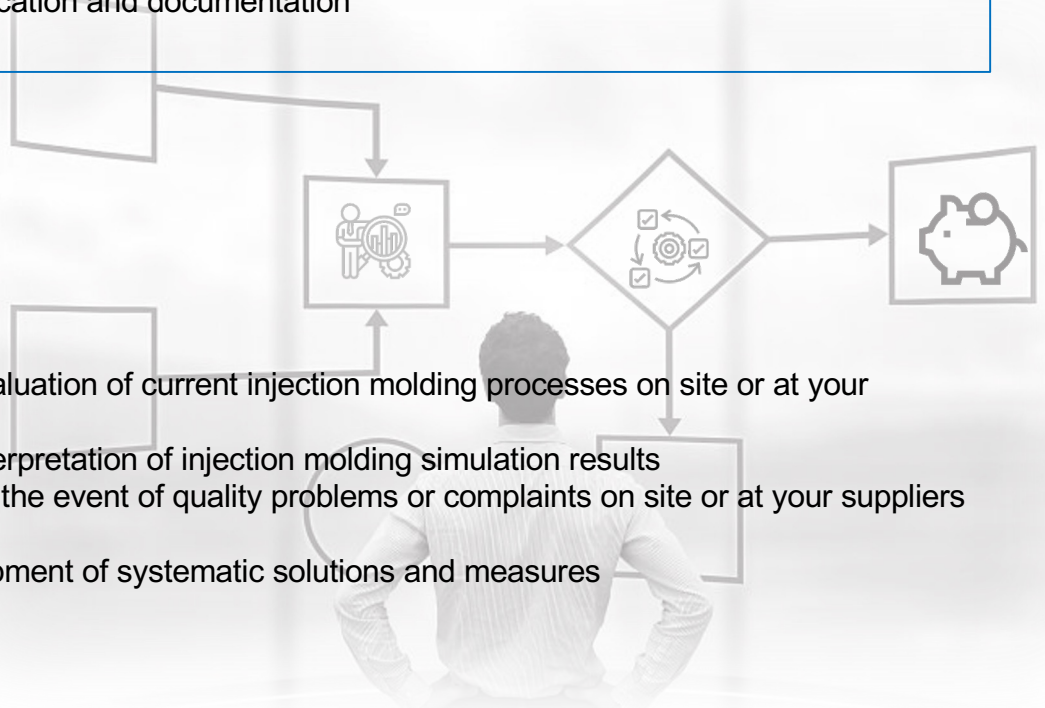
"It's not important how big the first step is, but in which direction it goes."

Your success is our goal!

- ✓ Reducing internal project lead times
- ✓ Standardized, digital and networked process engineering
- ✓ Workflows (standardized processes) tailored to your company from the order to series production
- ✓ Increasing efficiency and productivity
- ✓ Error prevention instead of error correction
- ✓ Targeted cost savings in the production area
- ✓ Improving energy efficiency
- ✓ Optimally trained personnel through targeted workshops in the individual departments
- ✓ digital transformation
- ✓ improved communication and documentation
- ✓ and much more...

Troubleshooting

- Assessment and evaluation of current injection molding processes on site or at your suppliers
- Assessment and interpretation of injection molding simulation results
- Technical support in the event of quality problems or complaints on site or at your suppliers or customers
- Support and development of systematic solutions and measures



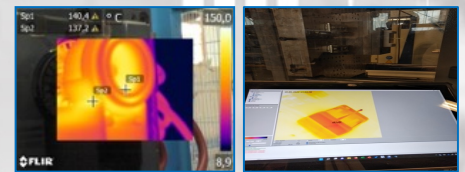
Optimization of injection molding processes

Many companies waste time or struggle with unnecessary quality problems due to unstable processes. Only with a systematic approach can processors make their injection molding processes more efficient and exploit productivity reserves. The importance of optimal process optimization cannot be overstated.



- ✓ Analysis of the current state of the entire injection molding process
- ✓ Localization, definition and elimination of process problems
- ✓ Increase in economic efficiency and energy efficiency
 - Cycle time reduction
 - Reduction of power consumption
- ✓ Thermography with IR-Thermo Control (thermal component and tool analyses in the running production process)

The best performance for the optimal process. Make your request now and secure your appointment!



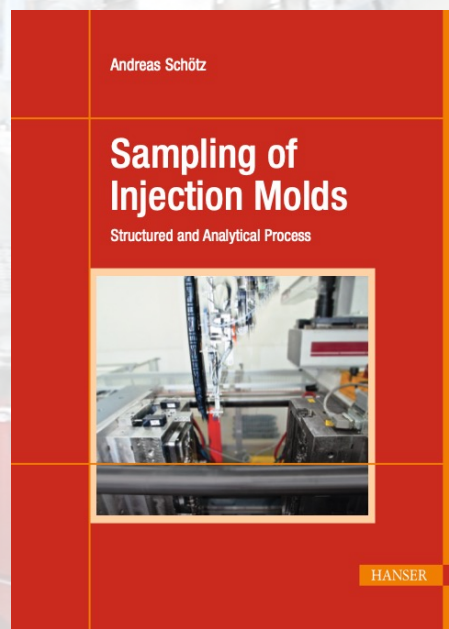
Sampling of injection molds

Optimally implemented mould sampling is the cornerstone of every cost-effective injection moulding process. With our many years of practical experience and expertise, we support your mould sampling process on site or at your supplier's premises with the following services:

- Monitoring, implementation and coordination of mould sampling
- Documentation and processing with our IMG platform
- Development of targeted measures and optimization strategies
- Tracking

Our book tip

Sampling of injection molds, Hanser Verlag





Contact

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Ingenieurbüro

SCHÖTZ

KUNSTSTOFFTECHNIK GmbH



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