

# SCHAUFLER FISCHER GROUP

Company Presentation  
2026



LET'S BOOST **YOUR OEE**

# Agenda / Content

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- 1 Executive Summary**
- 2 Product Offering and Customers
- 3 Technological and Process Leadership / Innovation
- 4 Mega / Giga Dies
- 5 Impressions of our locations
- 6 Competitive Solutions for Customers
- 7 Summary

# Introduction of SCHAUFLE FISCHE R GROUP

## World leading diecast dies manufacturer on three continents



**EUR 55m**

*Sales FY25B*

**3 continents**

*presence*

**~220**

*employees*

**>100**

*large die cast dies  
capacity p.a.*

**300 to**

*max. die weight*

### Schaufler Tooling



Laichingen, Germany



#### Headquarters, production facility and design center

New and follow-up dies,  
rebuilt, maintenance  
and die repair, tools for  
CFRP parts



**Production area of  
c. 9,000 sqm**



**140 FTEs**



**Max die weight of  
up to 200t**

### Fischer Tool & Die



Temperance, USA



#### Head office US operations, production facility

New and follow-up dies,  
rebuilt, maintenance  
and die repair, contract  
machining, tools for CFRP  
parts



**Production area of  
c. 7,000 sqm**



**45 FTEs**



**Max die weight of  
up to 150t**

### Schaufler China



Haiyan, China



#### Production facility New and follow-up dies, rebuilt, maintenance and die repair



**Production area of  
c. 6,000 sqm**



**30 FTEs**



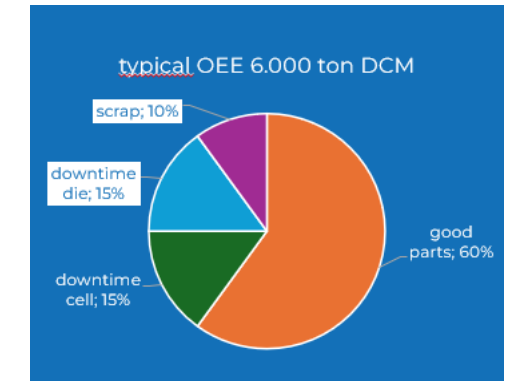
**Max die weight of  
up to 300t**

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## Vision and Mission

### Mission – “What we deliver”

- Let´s boost your OEE
- Empowering our customers with competitive high-productivity dies, aiming for 100% up-time, zero scrap and fastest cycle time.
- Focus on best Total Cost of Ownership which means OEE plus overall die cost per good part.

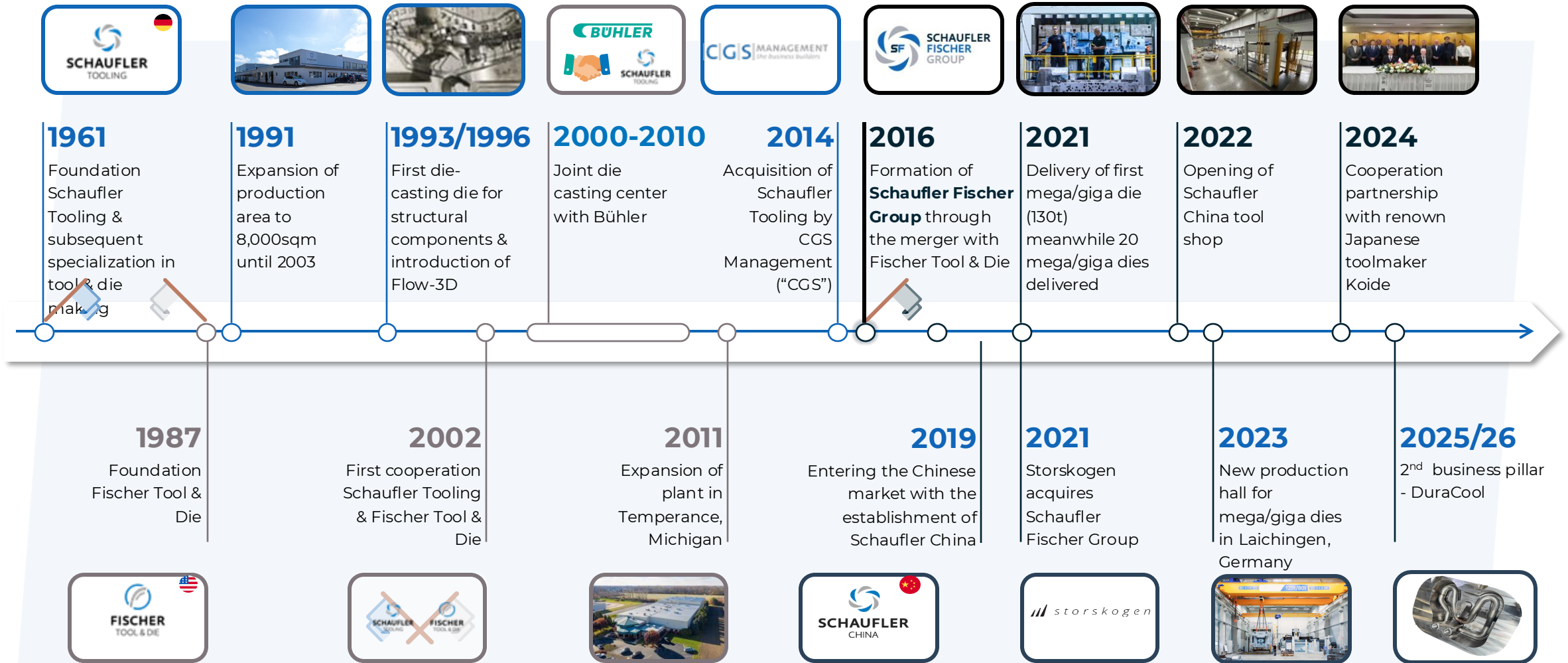


### Vision – “How we see ourselves”

- World-leading toolmaker group in design and manufacture of large and complex high-pressure diecasting dies in terms of
  - technology,
  - regional market presence,
  - sales and profitability



# Six decades of continued innovation and expansion



# Agenda / Content

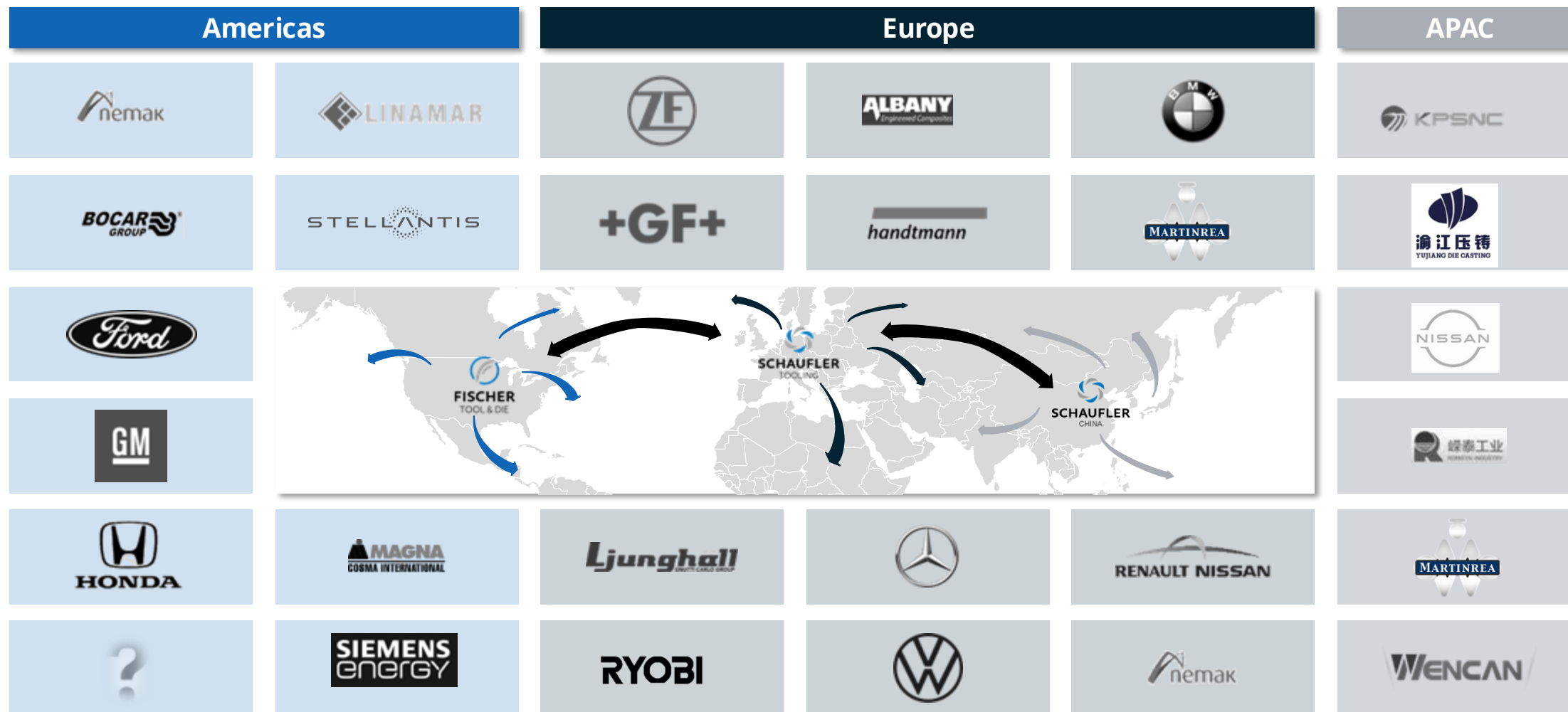
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# Global footprint, serving a global client base

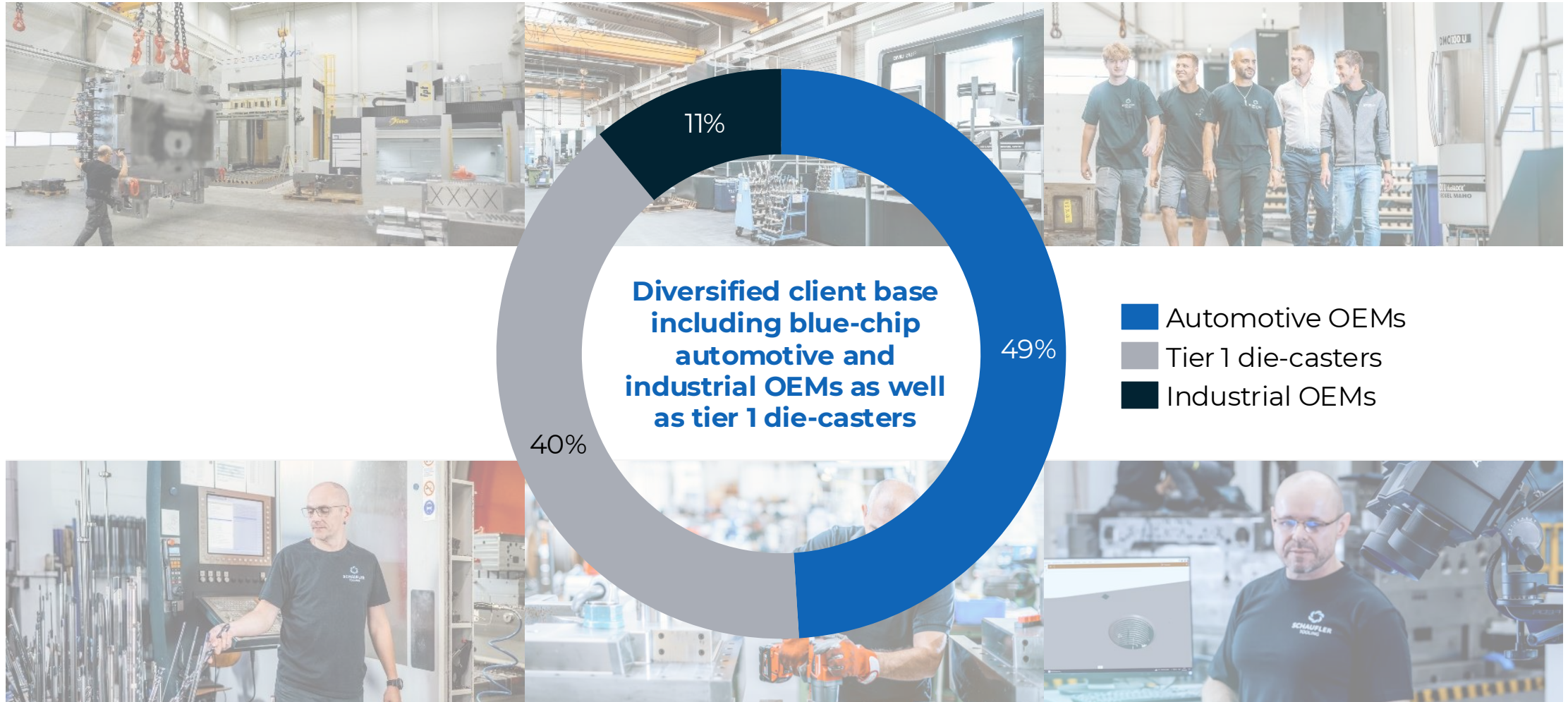
Attractive client base of leading automotive and industrial OEMs & globally active tier 1 die-casters



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# Client groups

Schaufler Fischer Group maintains a very diversified client base



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# Products and services offering – Overview

Full-service provider of HPDC dies for aluminum and magnesium alloy applications



## Dies for mega /giga castings



## Dies for ICE Powertrain components



## Dies for body and structural components & hybrid and EV

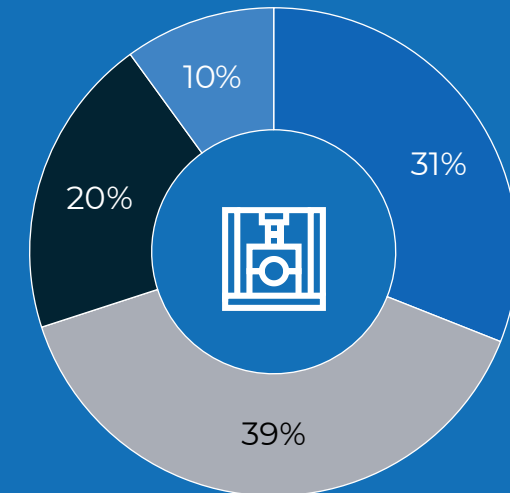


## Tools for CFRP composites and contract machining



Contract  
neues  
Bild

## Revenue by product category



- Dies for mega/giga castings
- Dies for ICE powertrain components
- Dies for body and structural components as well as hybrid and EV
- Tools for CFRP composites and contract machining

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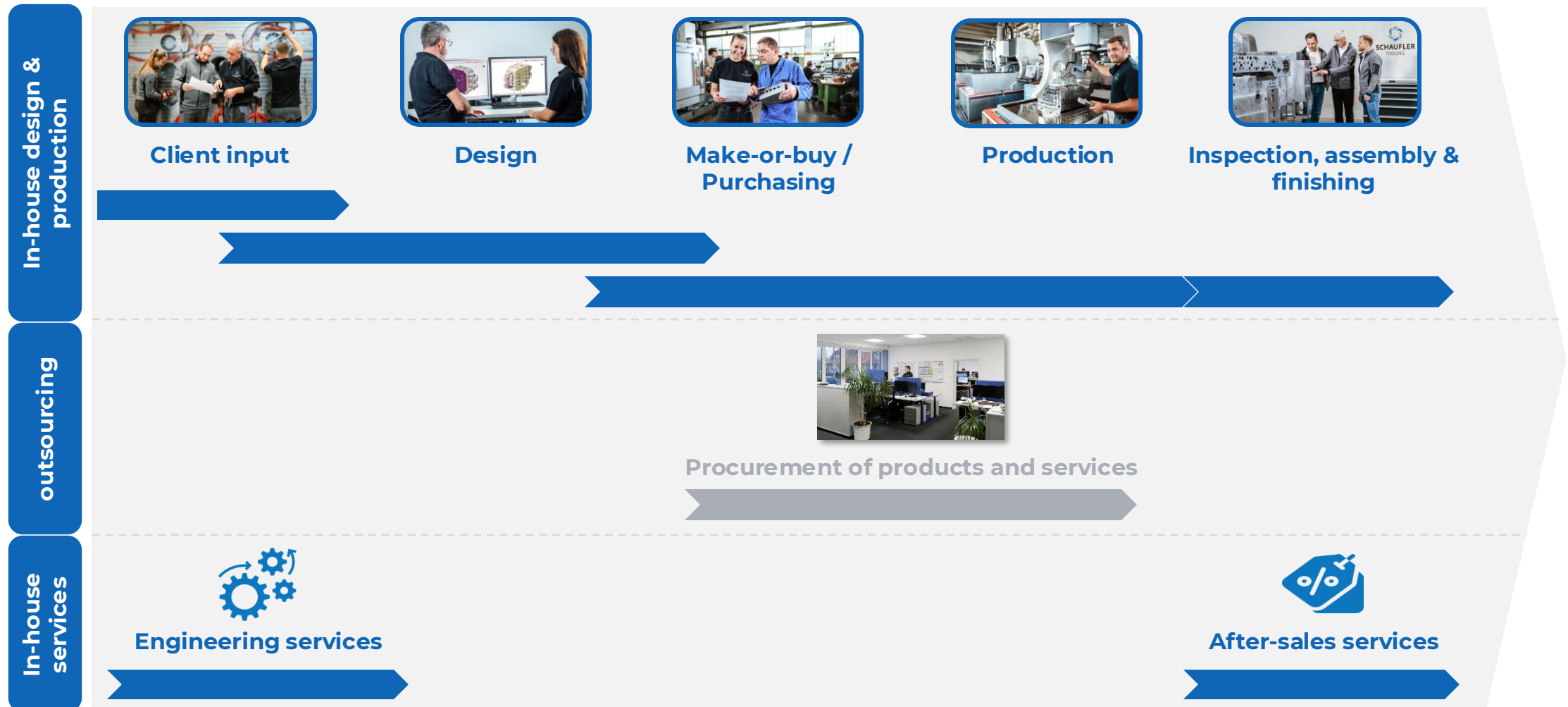
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# Tool manufacturing value chain – Overview

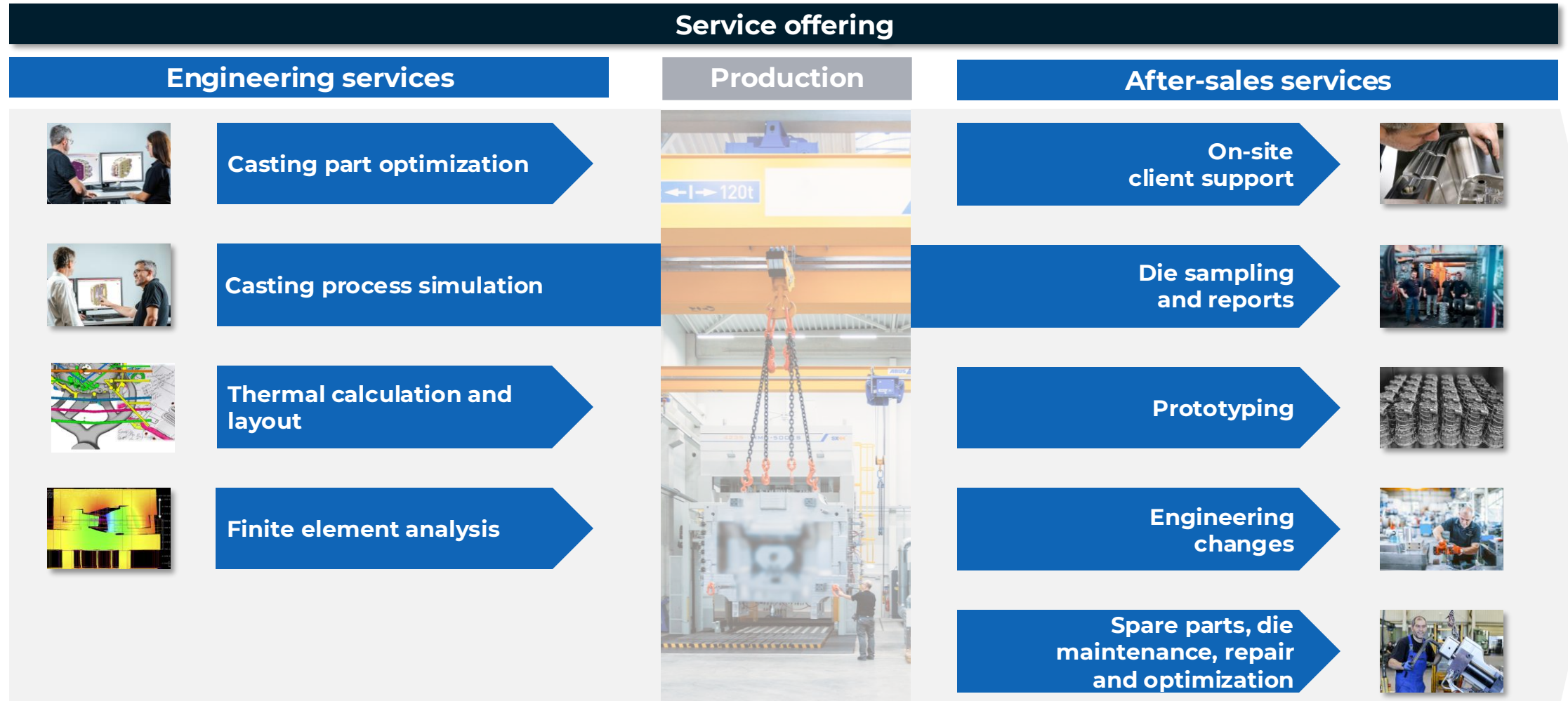
Tool manufacturing project: Typical process & services offered along the value chain



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# Engineering and after-sales service offering

360° service offering across the entire value chain from initial engineering to after-sales support



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# DuraCool – a revolution in die cooling



## Advantages:

- Core material: 4x higher heat transfer rate
- Faster heat removal: +20%
- Increased lifetime:  
no cracking, surface temperature more even
- Reduced cost: -30%
- Improved casting quality (surface, stresses, porosity)
- Successfully implemented in plastic injection molding

## Limitations:

- Extremely small steel thickness areas (i.e. water jackets for engine blocks)

## Requirement:

- Calcium-free and non-corrosive water

Applied for patent

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## DuraCool – a revolution in die cooling

### ● Main Advantages:

- Cycle time: solidification time – 5 sec.
- life time: +100% expected
- Cost: -30% ➡ -60% per shot

● >10 projects with pilot customers kicked off

● Market introduction: 2026



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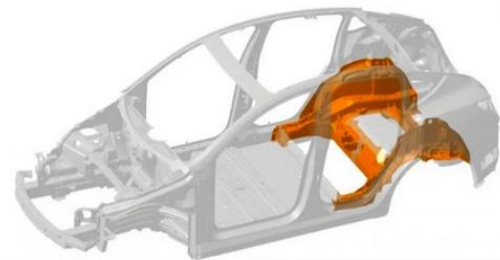
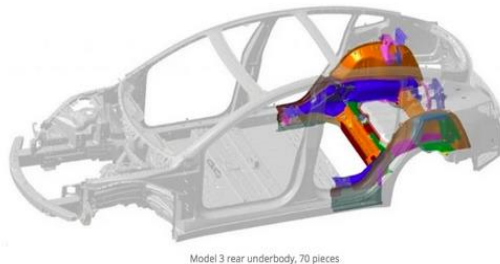
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## Why „Mega castings“ make sense:

- Light Weight Design to increase range
- Better NVH
- Reduced complexity in body shop
- significant cost savings: bottom line 20-30%



Source: evannex.com

... Tesla believes that this design will “reduce:

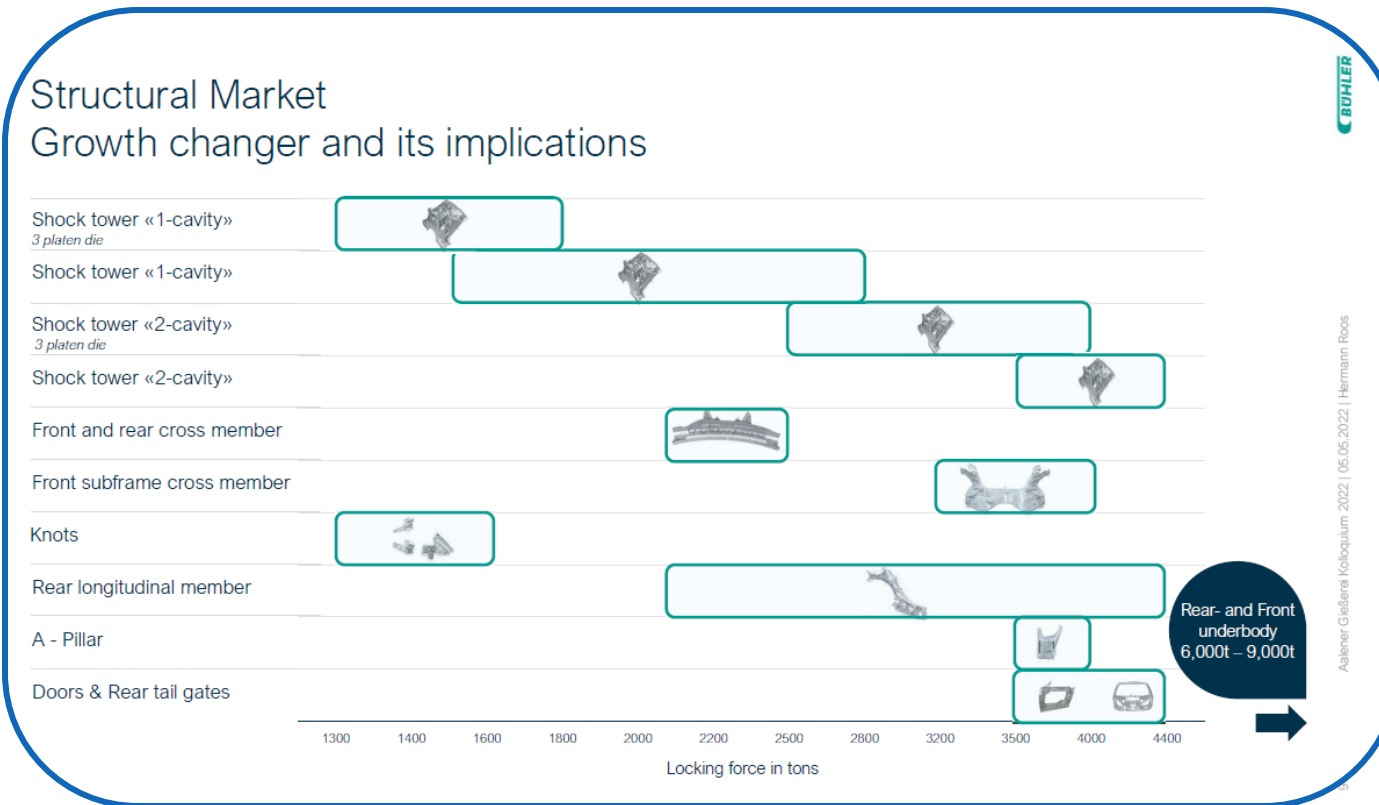
- build time
- operation costs
- costs of manufacturing
- factory footprint
- factory operating costs
- tooling costs
- and/or quantity of equipment.”

... automaker even notes that it will reduce:

- the number of casting machines required to build a vehicle frame and that it could even build “a complete or substantially complete” frame itself.

Source: evannex.com

## SF Tooling accompanied development + realized structural casting projects since 1993



MEGA/GIGA –  
Casting =  
next Level



## Schaufler Fischer Giga Die Experience

- 2020 1st Giga die built by Schaufler Fischer Group
- 4 different OEM's
- 8 different Giga castings
- 6 new die designs including virtual casting process
- 28 Giga dies delivered, +10 currently in build by all Schaufler Fischer plants in USA, Germany, China



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## Winning competition against other materials and processes

- Steel / Stamping
- Mixed material solutions
- Fiber re-inforced plastics

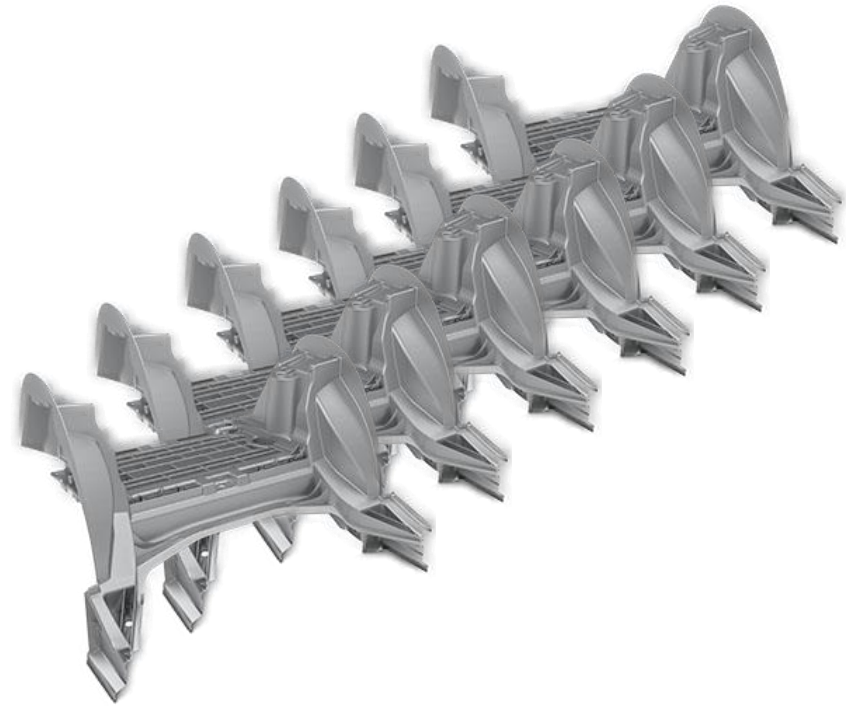
### Key parameters:

- Cost
  - CAPEX – different for green field / brown field
  - Variable cost – fully assembled component
- Lightweight potential
- CO2 footprint, recycling solutions



source

- Material cost, 40% on average
- Manufacturing cost, 35% on average
  1. Good parts per year per DCM → OEE
  2. Die cost per good part → die life
- Post-casting operations, 15% on average



Source: SW machines

# Good parts per DCM – Base scenario and potentials

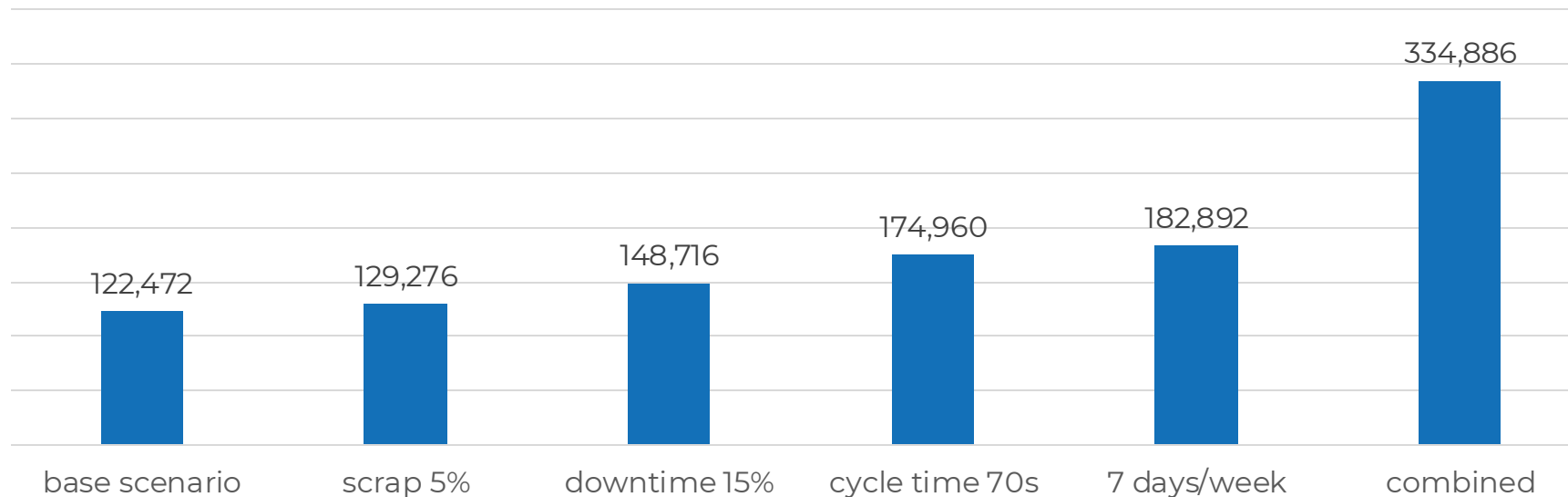
## Base scenario:

Quality:	10% scrap
Downtime:	30%
Cycle time:	100 sec.
Production days p.a.:	225 (5d 45w)

## Potentials:

Quality:	5% scrap
Downtime:	15%
Cycle time:	70 sec.
Production days p.a.:	336 (7d 48w)

good parts p.a.

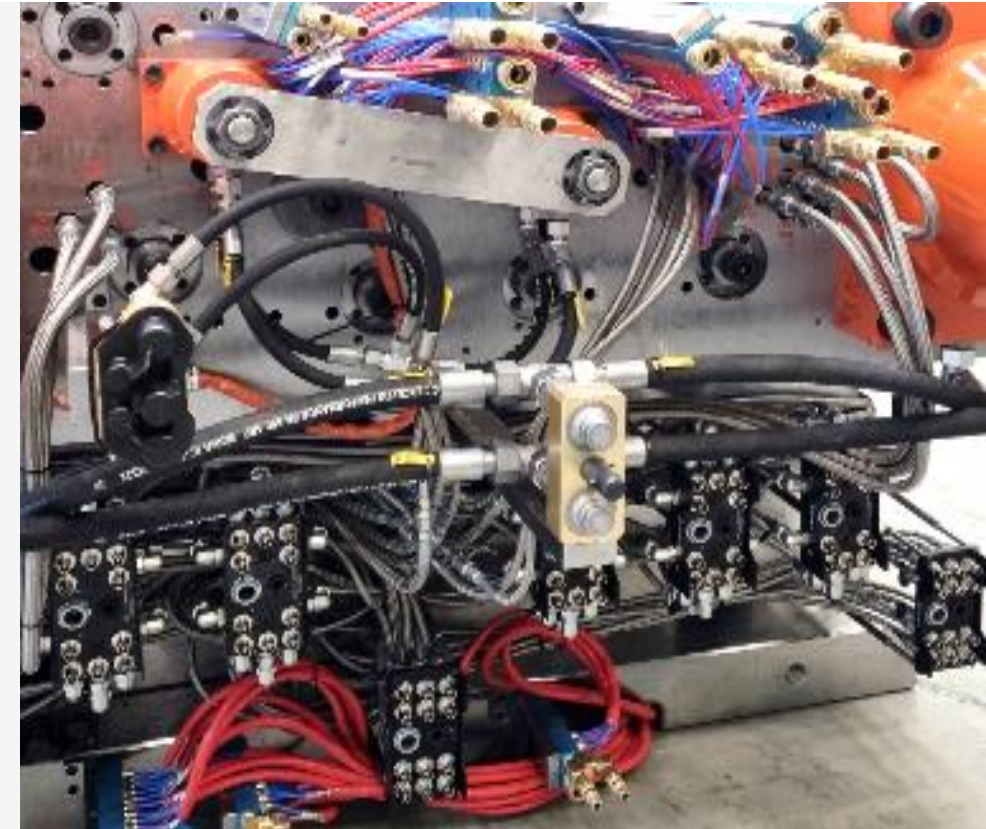


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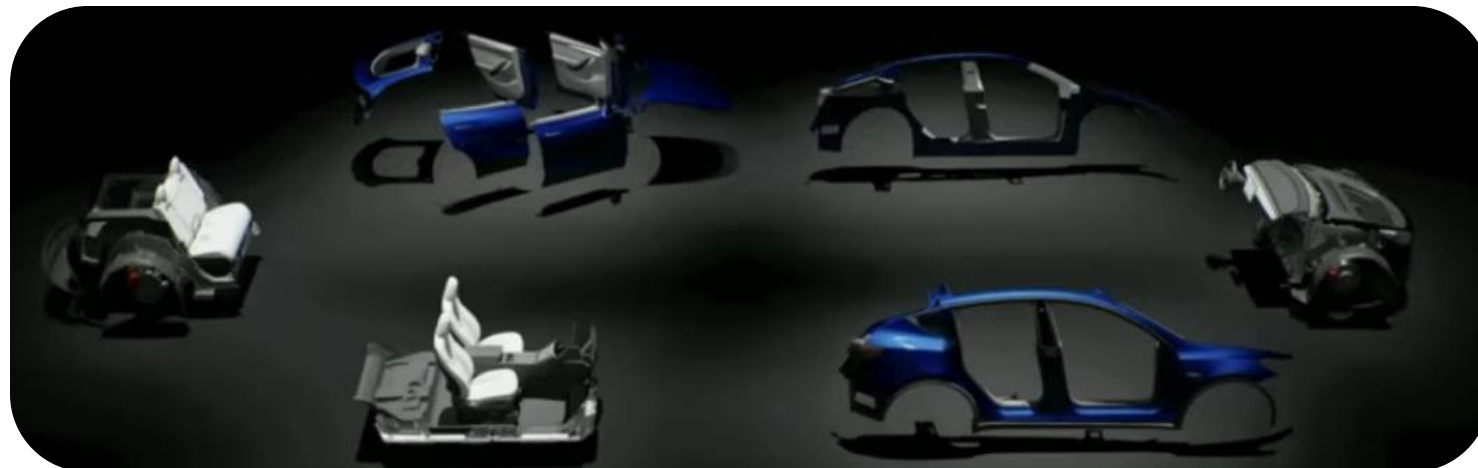
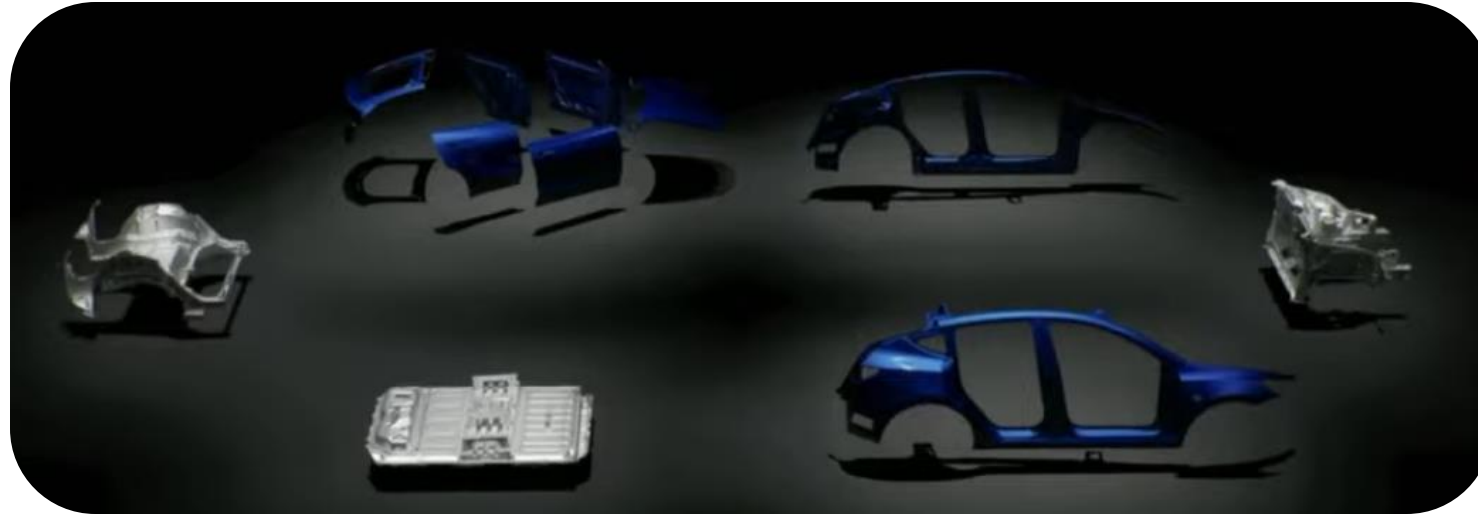
## Downtime

main contributor: cooling circuit leakages

●	Number of cooling circuits	☹ 30%
●	Hoses, pipes, fittings	☹ 60%
●	Plugs	☺ 100%
●	Cracks (main inserts, sub-inserts)	☹ ☹ 10%



# What's next? Mega castings as enabler for Unboxed Car Assembly



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Source: <https://www.youtube.com/watch?v=lu6nYh6HoDE>



## We are ready.

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# Impressions of our locations (1/3)

Top-notch production facility in Laichingen, Germany, with a new production hall for mega/giga dies



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# Shopfloor impressions Schaufler Tooling



New Building with finally a 120 ton crane, large spotting press and a large boring mill are installed. This extension will allow us to built dies with a total weight of > 200 tons



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# Impressions of our locations (2/3)

Production facility in Temperance, USA



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# Impressions of our locations (3/3)

New production facility in Haiyan, China



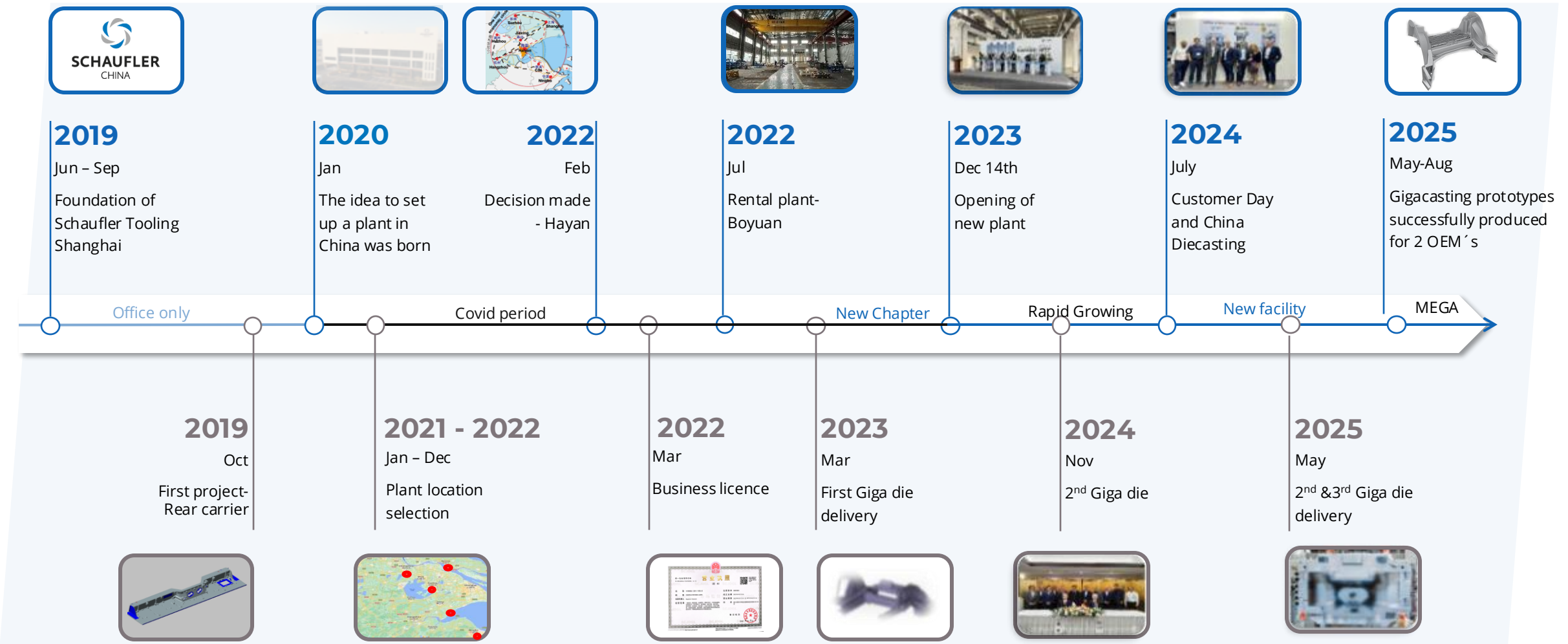
SCHAUFLE  
TOOLING



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# Six decades of continued innovation and expansion

General Introduction



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# Quality management (1/2)

Schaufler Fischer Group offers premium quality and is striving to obtain the latest certifications



## Schaufler Fischer Group's achieved and planned certifications and recognitions

### Certifications and accreditations



### Acknowledged global market leader



### Recognized with awards



### Planned TISAX certification



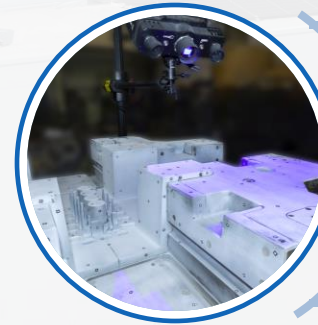
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# Quality management (2/2)

Schaufler Fischer Group is committed to quality control



## High quality set-up for optical measurement in DE



1x Coordinate measuring machine  
Zeiss Prismo



2x Atos scanner from GOM



1x Tritop from GOM



## Quality control in CN

In the  
procurement  
of an optical  
measuremen  
t

Spectral  
analysis  
of steel



## Quality control in the US

Optical  
measuremen  
t equipment

Coordinat  
e  
measuring  
machine

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## Global market leader

- Global market leader in dies for structural parts (since 1993)
- Worldwide innovator and pioneer in dies for components for electric / hybrid vehicles as well as for carbon fiber
- Facilities on three (3) continents

## Attractive market fundamentals

- Continuously increasing of light-weight parts (Al and Mg) in automotive
- Swift and sustainable emergence of EVs and hybrid vehicles

## Strong customer base

- Attractive & diversified customer base of automotive OEMs and casting groups in Europe, North America & Asia
- High customer satisfaction, loyalty and retention

## Technological leader & pioneer

- Outstanding capabilities in design, engineering and project management
- Global pioneer in innovations for maximize OEE



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