



Ein Unternehmen der SCHERDELGruppe



MECO MASCHINEN-ELEKTRO-COMPANIE GMBH

Toolmaking · Stamping and forming technology

KEY FACTS

TOOLMAKING FOR STAMPING AND FORMING TECHNOLOGY

SIZE & PERFORMANCE

69

Employees

13,5

Revenue · 2025

over 50 years

Toolmaking expertise
since its foundation in 1971

MILESTONES



1971

**Founding of
MECO**

Start of the
industrial tooling
experience



1988

**Part of the
SCHERDEL Group**

Integration into the
network

PROFILE



Industry

Automotive

Stamping and forming
technology of large
tools



Location

Waldershof

Toolmaking expertise at
an established
industrial site

69 employees · Revenue 2025: 13.5 · Part of the SCHERDEL Group since 1988

THE SCHERDEL GROUP

ADVANTAGES OF THE SCHERDEL GROUP

Strong network

The backing, reach and industrial experience of the SCHERDEL Group strengthen toolmaking.

11 COUNTRIES

35 LOCATIONS

45 PLANTS

6,800 employees

80 %

Automotive presence

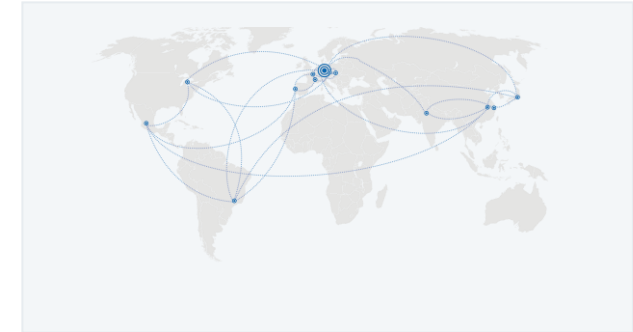
The Group is represented in 80% of all passenger cars and commercial vehicles worldwide –

The requirements of the industry are deeply rooted.

€880 million

Stability & Resources

Revenue size and network create investment power, capacity and reliability across projects.



Global Presence

130+ years

Experience

Industrial history strengthens processes, standards and know-how transfer.

Benefits: quick access to know-how · resilient network · High quality standards

BENEFITS

SIX STRENGTHS

PROCESS RELIABILITY & IN-HOUSE EXPERTISE

01 High adherence to deadlines

Project planning, tracking and production planning

02 In-house know-how

Complete in-house support from design to series production

03 Development / sale of standard parts

CE-certified standard parts production

QUALITY & FLEXIBILITY

04 High component quality

Quickly achieve and maintain tolerances with state-of-the-art simulation software

05 High tool quality

Low maintenance in series production

06 Contract work for individual parts and small series

Free capacity of the machinery can be used for the production of individual parts

07

RESULT

Premium supplier to the German automotive industry

PORTFOLIO

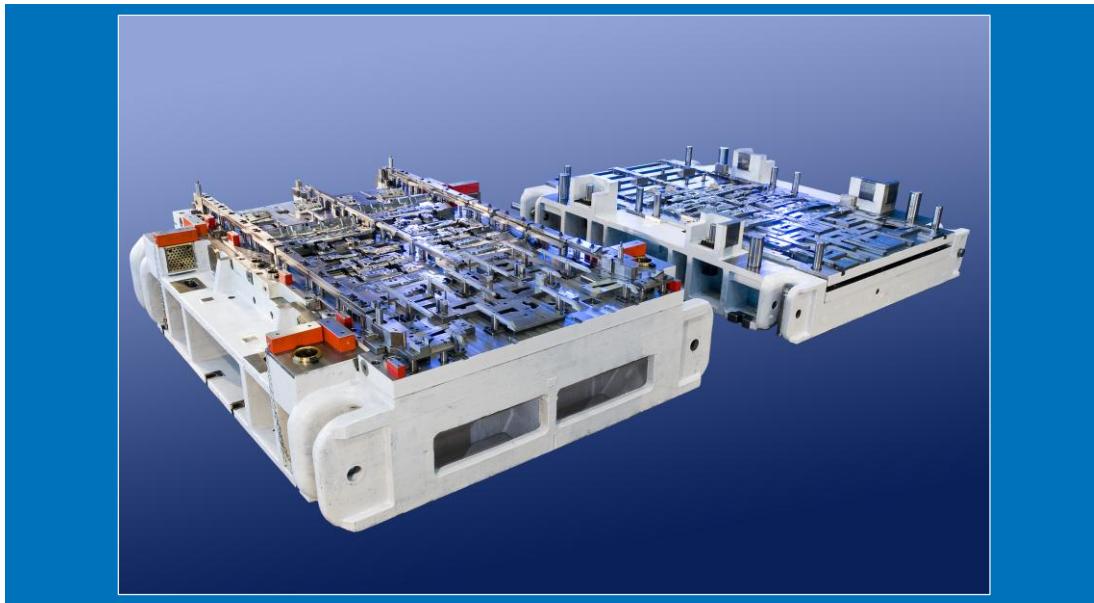
PRODUCTS, SERVICES AND PARTS RANGE

PRODUCTS AND SERVICES

THREE CORE PILLARS OF SHEET METAL FORMING

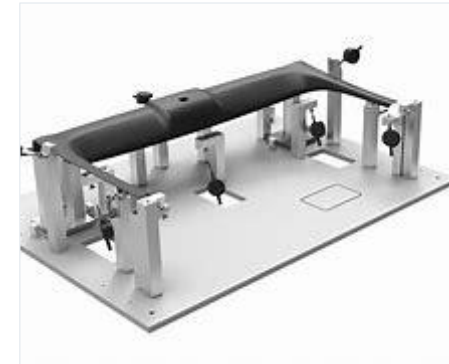
01 Forming tools

Transfer, progressive, step, line and ProgDie tools for sheet metal forming in all sizes



From forming tools to test gauges to cutting solutions.

02 Measuring and testing gauges



Testing technology for the geometric validation of components

Measuring and testing gauges

03 Blanking, prototype and manual loading tools



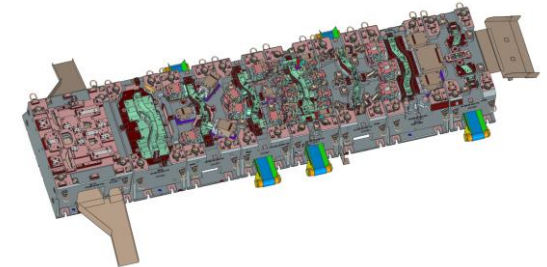
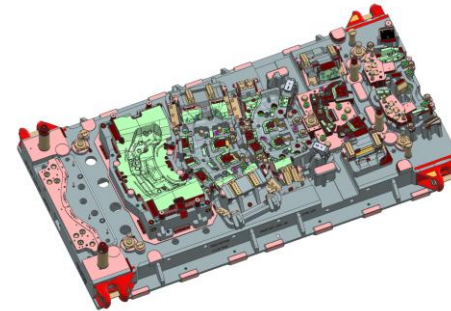
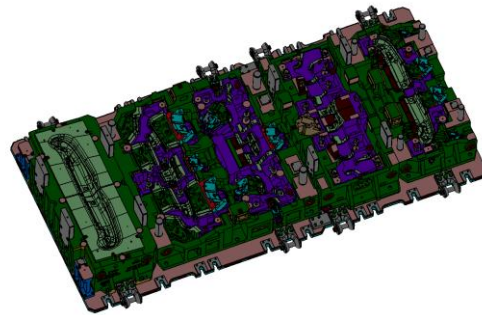
Tooling solutions for cutting and manual component feeding

Six tool designs arranged by type

01

Transfer Tools

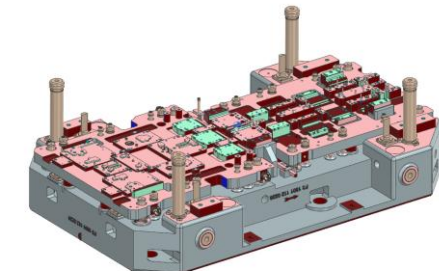
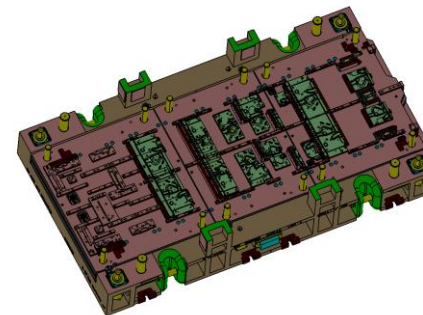
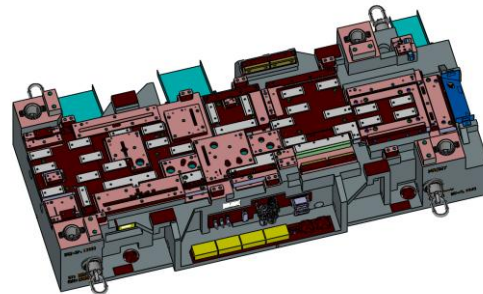
3 Examples



02

Progressive Tools

3 Examples

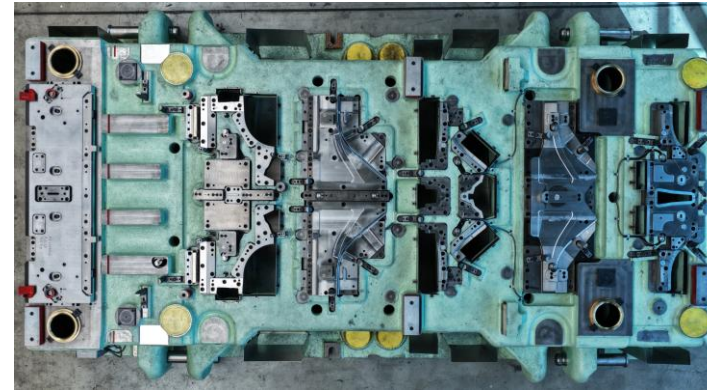
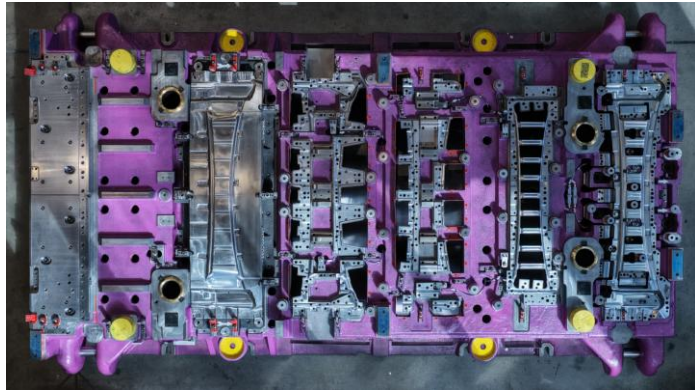


Four pictures in direct comparison

01

Transfer Tools

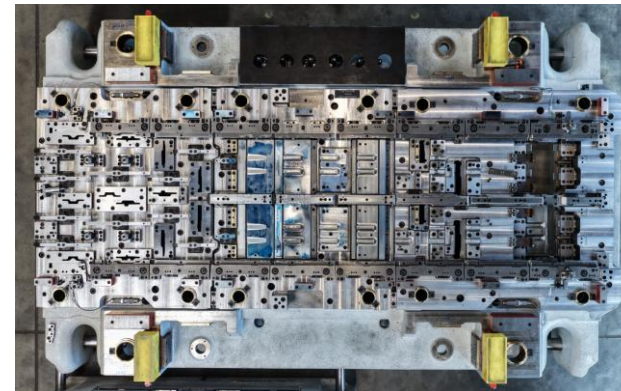
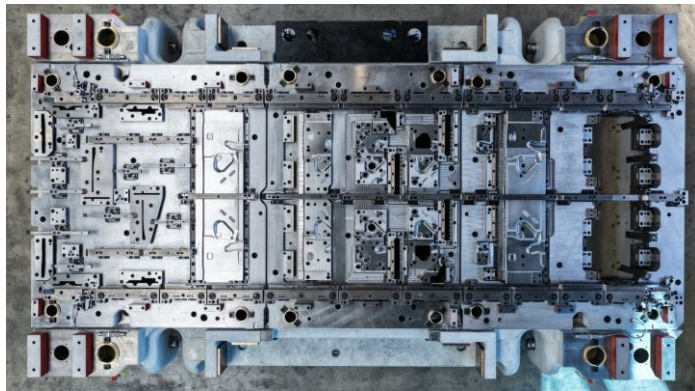
2 Examples



02

Progressive Tools

2 Examples



PARTS RANGE

TOOLS FOR SIX FIELDS OF APPLICATION



RANGE OF APPLICATIONS

FIELDS OF APPLICATION

Structure & Chassis

Sophisticated structural parts
Undercarriage parts

Components

Interior trims · Blank cuts
Steel and cast components

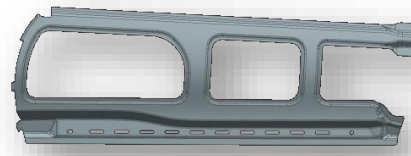
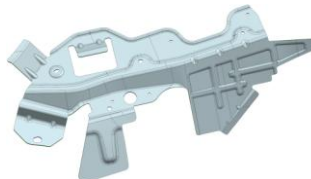
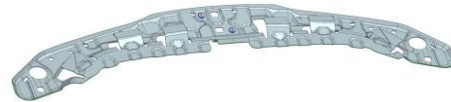
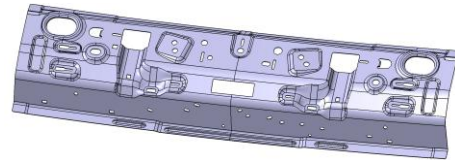
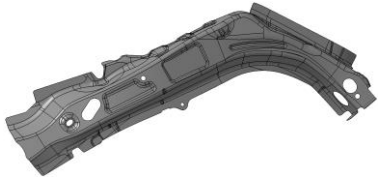
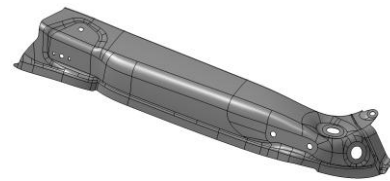
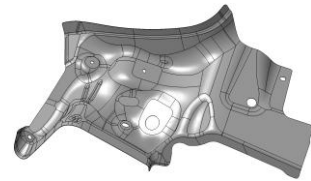
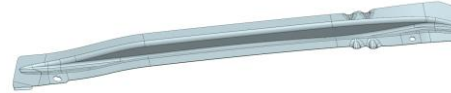
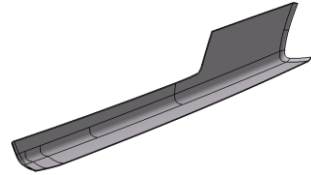
Other applications

Parts for white goods
Heating and air conditioning units
Other industries

PARTS RANGE

VARIETY OF MATERIALS FOR COMPLEX COMPONENT GEOMETRIES

12 COMPONENT EXAMPLES



MATERIALS SPECTRUM

- Steel and stainless steel sheets
- Aluminium
- Dual and complex phase steel
- TRIP steel
- Tailored blanks
- Metals with laminated foil

TECHNICAL LIMITS

up to 7 mm

Material thickness

up to 1000 HPa

Tensile strength

EQUIPMENT

DESIGN, PROGRAMMING, MACHINERY

EQUIPMENT

END-TO-END DIGITAL PROCESS – 3 FIELDS



01 Design

RANGE OF TASKS

Method development
Simulation and design
Morphs
Item drawings
Data maintenance

FOCUS

Digital development and protection
of tool data



02 Administration

RANGE OF TASKS

Purchasing and HumanResources
Logistics and Distribution
Production planning
Controlling

FOCUS

Planning and control of
operational processes



03 CNC Programming

RANGE OF TASKS

Programming 2D and 3D
3-axis and 5-axis
5-axis simultaneous machining
Wire EDM
Programming on scanned real data set

FOCUS

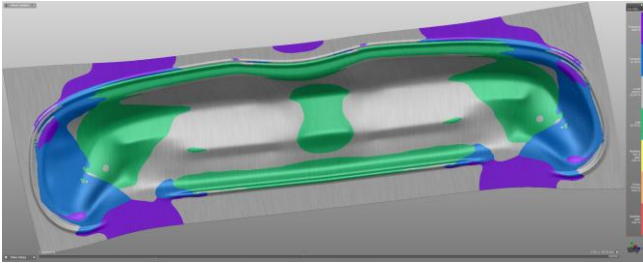
Production-related programs for
complex machining

SOFTWARE CATIA V5 5-6 R2024 · Siemens NX V2412/2512 · AutoForm R12 · Tebis Morpher V4.1 · PSI Penta · UCM · Tebis V4.1

EQUIPMENT

FOUR DIGITAL STEPS FOR PREDICTABLE TOOL QUALITY

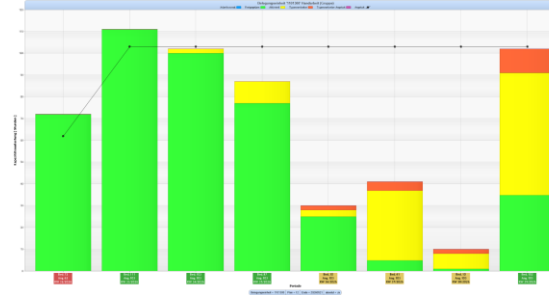
01 Forming simulation



AUTOFORM

Digitally evaluate component and forming behavior at an early stage.

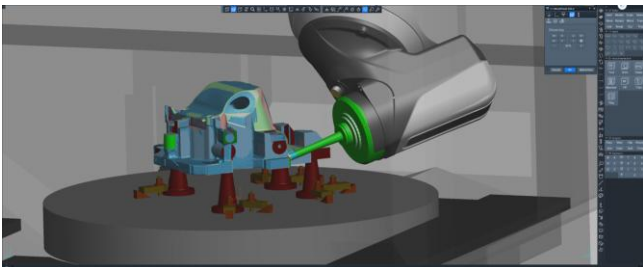
02 Production planning



UCM

Plan and prioritize capacities and orders transparently.

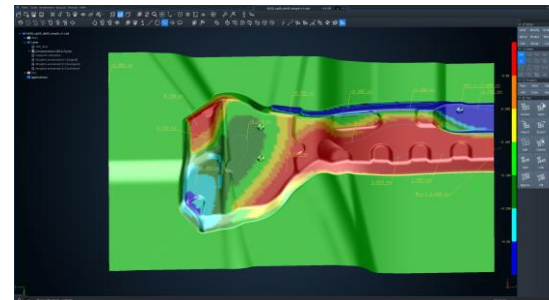
03 Milling simulation



TEBIS

Virtually check processes before production.

04 Compensation



TEBIS

Trace deviations back into the dataset in a targeted manner.

Simulation · Planning · Production Inspection · Compensation – digitally connected.

EQUIPMENT

PRODUCTION IN THREE SHIFTS – INCLUDING UNMANNED SHIFT

12 MILLING MACHINES

6 milling centers
• 5 axes

Working range up to
6500 × 4400 × 1400 mm

6 CNC milling machines
• 3 axes

Working range up to
2500 × 920 mm



6 EDM SYSTEMS

5 CNC Wire EDM Machines

Working range up to
630 × 400 × 162 mm

1 Rapid Drilling EDM System

Workspace
350 × 250 × 350 mm

18 machines and systems for milling and eroding



EQUIPMENT

FOUR PRESSES FOR TESTING AND SMALL SERIES IN TWO-SHIFT OPERATION

4 PRESSES

Range of services
1,500–10,000 kN

Testing and small series
in two shifts



PRESS SHOP

MECHANICAL PRESSES

Mossini · 10,000 kN

Clamping surface
4500 × 2500 mm
2 drawing cushions up to
1,500 kN
Belt feeding
150–1600 mm

Weingarten · 6,000 kN

Clamping surface
2800 × 1800 mm
2 drawing cushions up to
1,100 kN

HYDRAULIC PRESSES

Brunnhuber · 3,500 kN

Clamping surface
1800 × 1250 mm

Brunnhuber · 1,500 kN

Clamping surface
1800 × 1250 mm

EQUIPMENT

TWO MEASURING SYSTEMS COMBINE INSPECTION AND CAD FEEDBACK

2 MEASURING SYSTEMS

CNC 700 Zeiss Eclipse

Measuring range
950 × 600 × 400 mm

GOM Atos 5 + Tritop

Measuring range
300 mm to 5000 mm



01 · ACTUAL GEOMETRY

Feed tool geometry back into the CAD system.

02 · TARGET–ACTUAL

Compare design data and effective surfaces.

03 · OPTIMIZATION

Identify geometry deviations and potentials.

CERTIFICATIONS

TESTED STANDARDS FOR QUALITY, ENVIRONMENT AND INFORMATION.

CERTIFIED BASE

4

Standards &
Evidence

QUALITY

ENVIRONMENT

INFORMATION
SECURITY

01



ISO 9001:2015

Quality Management

02



VDA QMC

Automotive Quality Management

03



ISO 14001:2015

Environmental management

04



TISAX

Information Security

Four proofs – a clear signal for reliable processes.



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TOOLMAKING · STAMPING AND FORMING TECHNOLOGY

Thank you.

Your partner for toolmaking, stamping and forming technology

LET'S TALK ABOUT YOUR NEXT TOOLING PROJECT.

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