

Competency profile
New injection mold construction

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01.

Mould and tool making Competences

VALUE PROPOSITION



From design to the finished component



High level of expertise in a wide range of materials
(plastic, carbon, paint, leather)



Competent and experienced project team



Application of innovative technologies



Tools 300 kg to 30 tons



C-CON

MT⁵
TECHNOLOGIES

▶ OUR EXPERTISE

YOUR PARTNER OF CHOICE FOR MOLDS AND TOOLING



CAD

- Component development
- Feasibility
- Rheology
- Tool construction in Catia

Mechanical PRODUCTION

- NC Programming
- CNC milling up to 4 meters
- High-speed milling
- Erode

MANUFACTURING

- Tool assembly 1K/2K/ 3K by highly qualified specialists
- Repair service for external tools
- Gauges and fixtures

PRODUCTION

- Injection molding 1K/2K/GID/TSG
- Long-Fiber-Injection (LFI)
- Water-Injection-Technology (WIT)
- In-Mold-Decoration (IMD)
- Foam
- Assembly
- CFRP production

REFINEMENT

- Lacquering
- Leather trim
- Flocking

QUALITY MANAGEMENT, PROJECT MANAGEMENT

▶ DEVELOPMENT ORIENTED COMPANY

MISSLTOOLS MISSLBUCKS

*Die Construction
& Tool-making*
develops, designs
and manufactures
injection moulds for
metal and plastic car
parts

Model and Cubing Shop
designs and creates
models of entire cars
or parts of a car

MISSLPARTS

*Series Production
Plastics*
Produces automotive
plastic parts for
prototyping and serial
production



02.

Company Overview

▶ MT/C-CON AT A GLANCE

TEIL DES GLOBALEN AYALA KONZERNZ

58.800
MitarbeiterInnen weltweit

185
Jahre Konzernbestehen



LANGJÄHRIGE BRANCHENEXPERTISE

410
Expertinnen und Experten¹

150
Jahre Erfahrung

1869
Gründung MT
Technologies²

1991
Gründung
C-CON

BREITES LEISTUNGSSPEKTRUM



Design &
Modellbau

Formenbau



Engineering



Leichtbau



Serien-
produktion



Sondermaschinen
und Vorrichtungen



¹Anzahl Mitarbeiter bei MT Technologies GmbH und C-CON GmbH

²Damals „Misslbeck“

COMPANY HISTORY



1869

Michael Mißbeck founds a turnery in Ingolstadt



1968

Sepp Mißbeck becomes managing director and founds the mould making department



1991

Founding of C-CON in Dachau



2008

Sepp Mißbeck transfers the business to his son Michael Mißbeck



2017

Mißbeck becomes part of the Ayala Group as MT Technologies, integrated into the industry AC Industrials



2019

150th anniversary of the company

Under the direction of Josef Mißbeck, the model building company Misslbeck supplies Audi with original and knock models

1949

Mißbeck is the first model builder to use the technique of stereolithography

1991

Foundation of the site in Rottenburg for mould and tool making

1997

Relocation and expansion of the C-CON headquarters in Munich

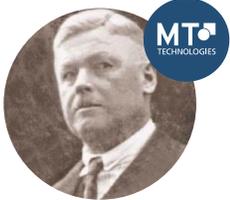
2008

C-CON becomes part of the Ayala Group (AC Industrial)

2018

Michael Mißbeck takes over the management of the MT/CCON group of companies

2020



03.

Machinery



▶ MILLING

Fräsmaschine klein DECKEL MAHO DMU 60 (DMG MORI)

- Verfahrweg X630 Y560 Z560
- 3-Achsen



Elektrodenfräsmaschine Huron K2x8

- Verfahrweg X700 Y600 Z450
- 3-Achsen



Reiden RX10

- Verfahrweg X1000 Y1100 Z810
- 5-Achsen
- Palettenwechsler



2x EMCO Dynamill HP5

- Verfahrweg X4550 Y3000 Z1500
- Tischbelastung 30.000 kg



Tieflochbohrmaschine TFZ 3-1500

- Arbeitsbereich 2000 x 1250 x 1250
- Tischbelastung 15.000 kg



▶ EDM – MACHINES WITHOUT AUTOMATION

Drahterodiermaschine **MITSUBISHI MV4800S**

- Arbeitsbereich 1250 x 1020 x 505
- Tischbelastung max. 3000 kg



EDM Bohrmaschine **MB Maschinen CNC 1000**

- Startlochbohrungen für Drahterodiermaschine



Ingersoll Gantry 1500

- Arbeitsbereich 2050x1050x1000
- Tischbelastung max. 10.000 kg



▶ GRINDING MACHINE & SPOTTING PRESS

Millutensil MIL 263

NEW

- Tischplatte 2500 x 2000
- Max. Spannkraft 2000 kN
- Max. Öffnungskraft 550 kN
- Max. Belastbarkeit untere Platte 45.000 kg
- Max. Belastbarkeit obere Platte 20.000 kg
- Ausziehplatte 180° drehbar (Drehteller)



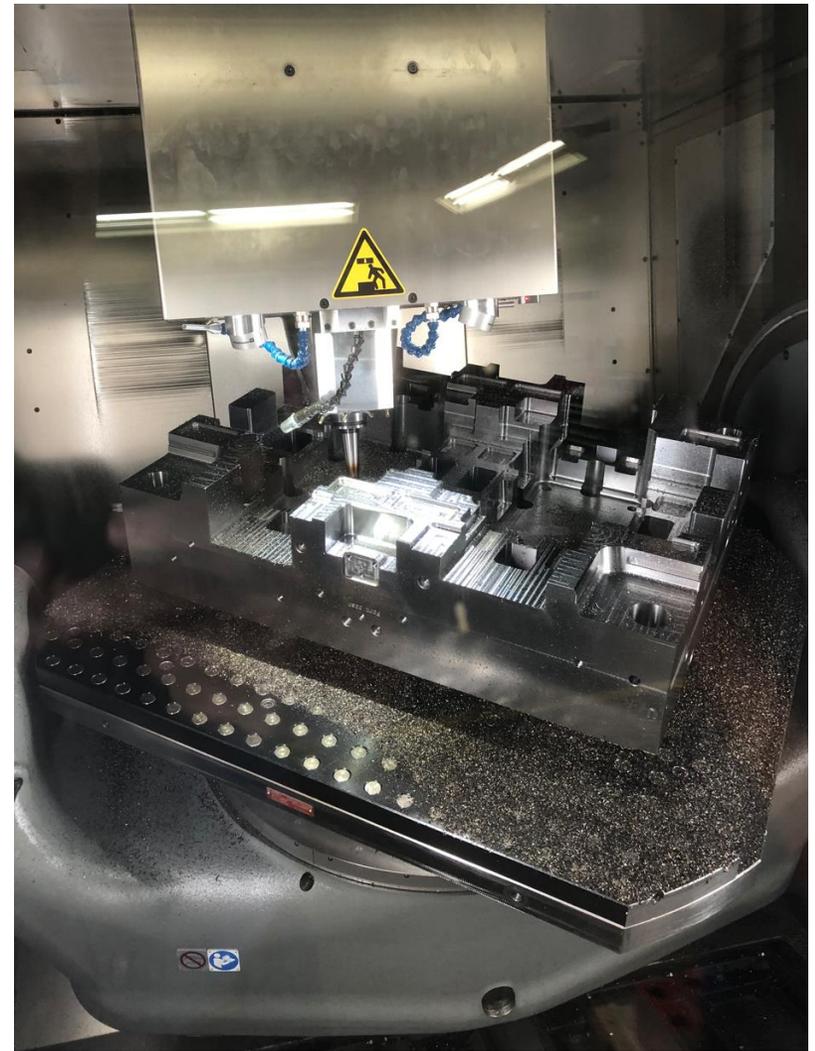
ELB Smartline BD15

- Arbeitsbereich 1500 x 600 x 475
- Tischbelastung 625 kg

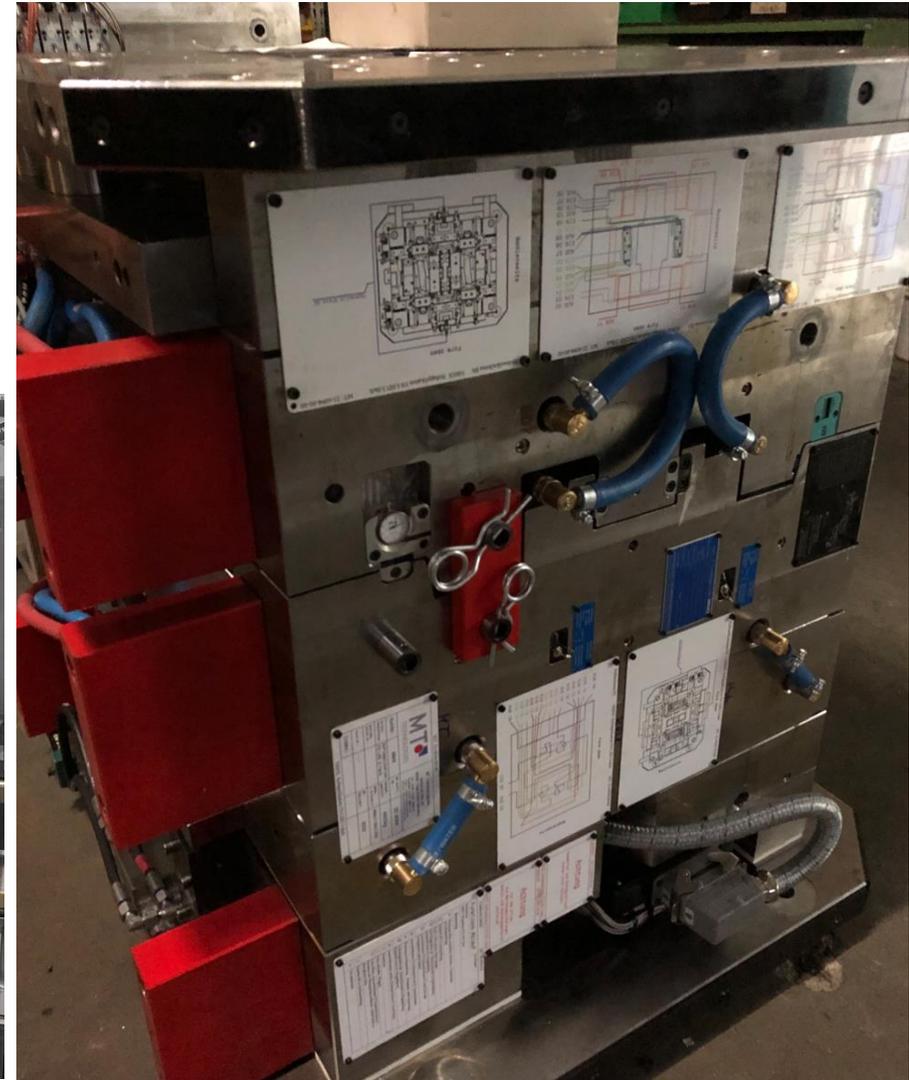
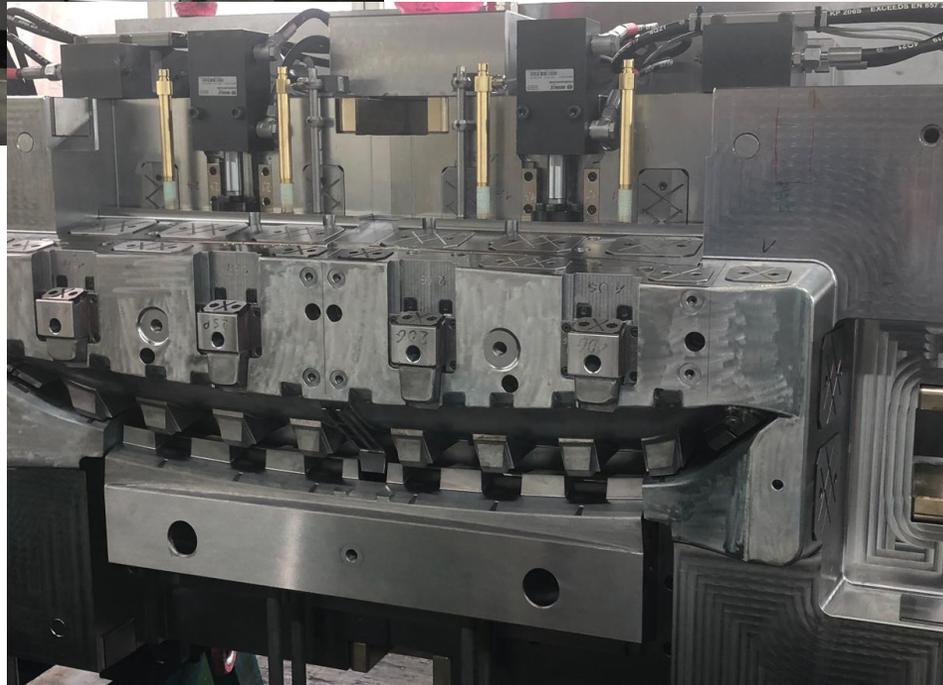


▶ Milling

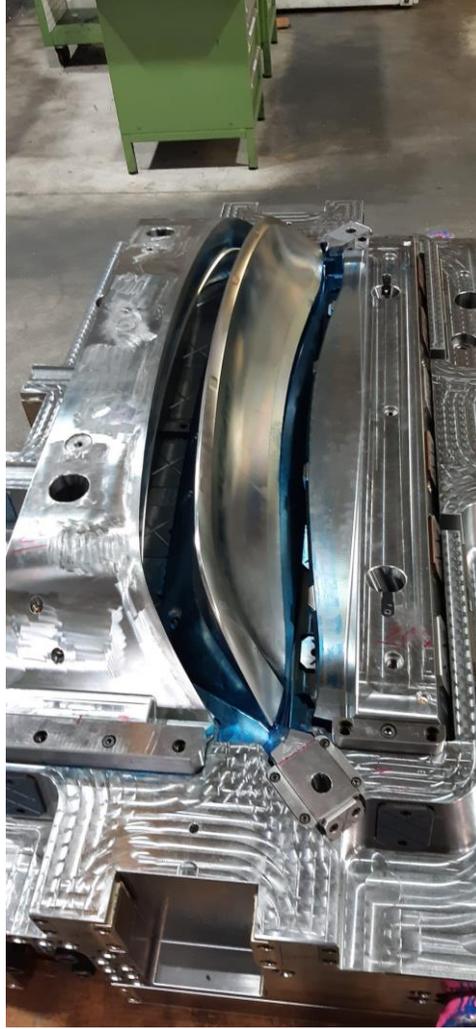
Finishing Hermle C62



▶ Tooling technology



▶ Tooling technology



05.

Keeping an eye on the future - The focus on automation

► Hermle C62 milling center incl. Erowa Loadmaster

2x Hermle C62

- Verfahrweg X1200 Y1300 Z900
- 5-Achsen
- Tischbelastung max. 2500 kg



EROWA Loadmaster (LMC)

- Magazine 16 Positionen
- Transfergewicht max. 2.500 kg (Werkstück + Palette)
- Werkstückgröße bis d=1.400 mm h=900 mm



ER-SIX Milling and EDM Center

Erowa Messmaschine CMM Qi



Ingersoll Gantry Eagle 800

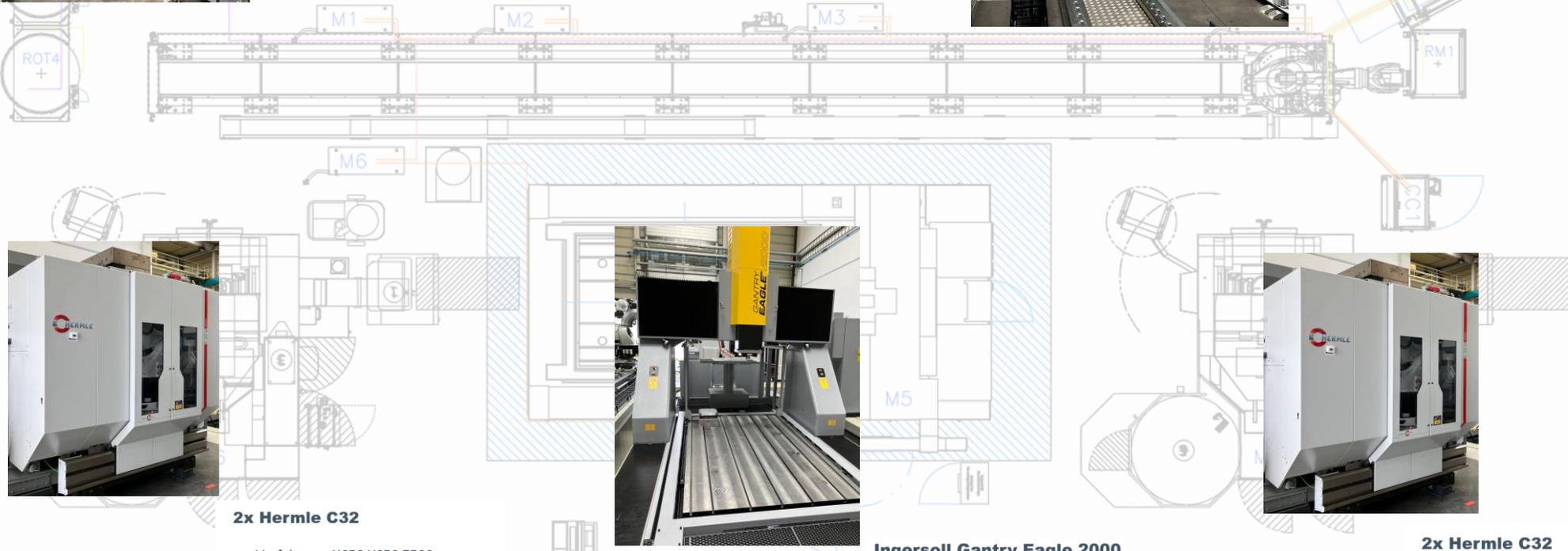
- Verfahrweg X550 Y850 Z480
- Tischbelastung 2.000 kg



ER-098500
EROWA Robot Six (ER-Six) KR 510

1.1. EROWA Robot Six (ER6)

- 1x Transfereinheit EROWA Robot Six KR 510 max. Transfergewicht: 460kg Greiferarm und Greifer:



2x Hermle C32

- Verfahrweg X650 Y650 Z500
- 5-Achsen
- Tischbelastung max. 1000 kg

Ingersoll Gantry Eagle 2000

- Verfahrweg X1550 Y2750 Z1000
- Tischbelastung 30.000 kg

2x Hermle C32

- Verfahrweg X650 Y650 Z500
- 5-Achsen
- Tischbelastung max. 1000 kg

06.

Exemplary Customer References

▶ We also attribute a significant portion of our success to the strong, lasting partnerships we have built and nurtured



Röchling

NIFCO



brose
Technik für Automobile

DRAXLMAIER



novem
PERFECT CAR INTERIOR



MAGNA

KraussMaffei



07.

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