



**Low Volume with High Quality**



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# **Company Overview**

# **01**

# Company Overview

## History MPI Europe



- **2012** founded as branch of MPI US in Dresden, Germany (Engineering services, such as windage and deflection control, tool design, prototype tool and parts supplier/trader)
- **2014** approved supplier for Bugatti Veyron (continuing same parts and production for Chiron)
- **Middle of 2017** building up a production facility in Doebeln/Technitz (between Dresden and Leipzig)
- **May 2018** start of first trials

# Company Overview

## History MPI Europe



- **November 2018** ISO 9001 certified by TÜV Süd (renewal every year)
- **December 2018** Audit by Volkswagen group, fully-approved serial supplier for VW, Audi, Porsche, Skoda, Seat, Lamborghini, Bugatti, etc.
- **Beginning of 2019** start of serial production for VW
- **End of 2019** first OE parts production for the US market
- **Beginning of 2021** full-service production of manifold for aftermarket (Dorman)



# **Manufacturing Capability**

# **02**

# Manufacturing Capability

## Production line in Technitz

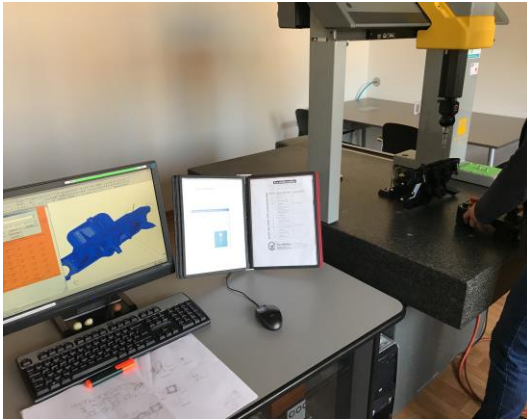
- company area 4000 m<sup>2</sup>  
shop area ~ 600m<sup>2</sup>  
office area ~ 240m<sup>2</sup>
- 5 injection molding machines  
(50-, 130-, 200-, 450-  
and 1.300-tons clamping force)
- part size up to 5 kg shot weight  
(e.g., bigger manifolds, shrouds  
and cylinder headcovers)
- 1.300-tons machine with  
handling, reducing part price and  
increasing output



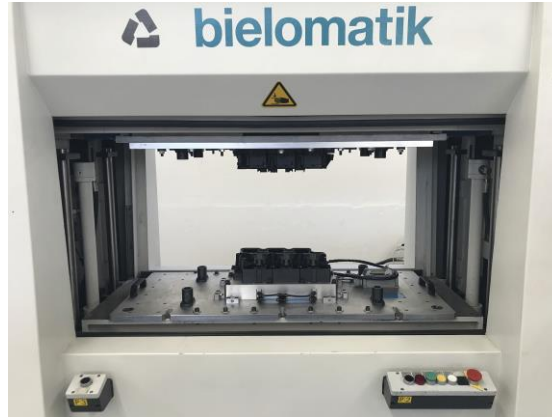
# Manufacturing Capability

## Production line in Technitz

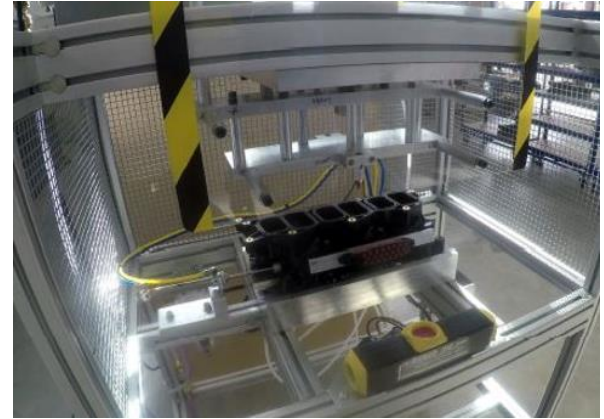
- Quality Control and Measurement  
(CMM Brown & Sharpe)  
according VDA / PPAP



- Vibration Welding



- Leak Tester







**Engineering Capability**

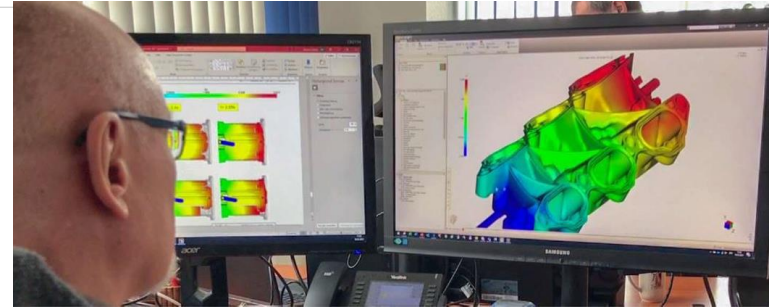
**03**

# Engineering Capability

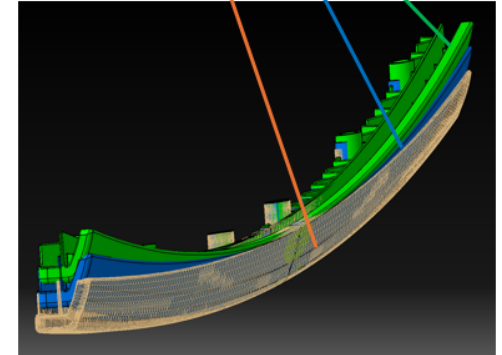
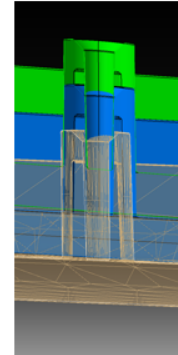
## Production Line in Technitz

- Moldflow Analysis
- Warpage Analysis
- Deflection Compensation
- Feasibility Study
- Tool Design

Software:  
CatiaV5-6R2020  
Autodesk Moldflow Insight 2023



Compensated tool data  
Nominal CAD data customer  
Warpage analysis





**Current Situation and Projects**

**04**

# Current Situation

## Current and Future Projects

Bugatti (7 years lifetime plus OES parts):

- Air Duct (wheel carrier)
- Wiper Water Tank (Rotamold)
- Roof Molding

Volkswagen:

- Battery Frame (e-Mobility)

GM:

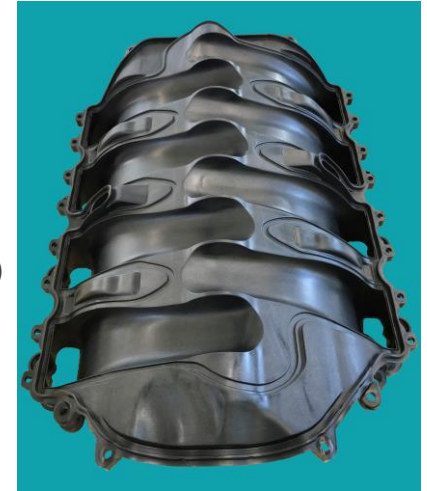
- L246 Shield Cover

McLaren / Ricardo:

- P98 Intake Manifold ASSY (RH/LH)  
P98 CamCover ASSY (RH/LH)

Projects for MPI US:

- Molding
  - ▶ V8 Manifold
  - ▶ I4 Manifold (Service)
  - ▶ V8 Manifold (US Marine OE)
  - ▶ Turbo Inlet Duct (US Marine OE)
- Molding/Welding/Full Assembly
  - ▶ V6 Manifold (Service)



# Current Situation

## Current Projects

First full-service product  
(Manifold for Hyundai V6 engine) from  
Germany to US customer:

- Tooling
- Molding
- CMM Measurement and Quality Control/Documents
- Welding
- Purchasing Additional Parts and Assembly
- Leak Testing
- Special Boxing for final Customer





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