



Hanover Center for Production Technology

Science and Industrie under one roof

Generating Ideas – Creating Innovations

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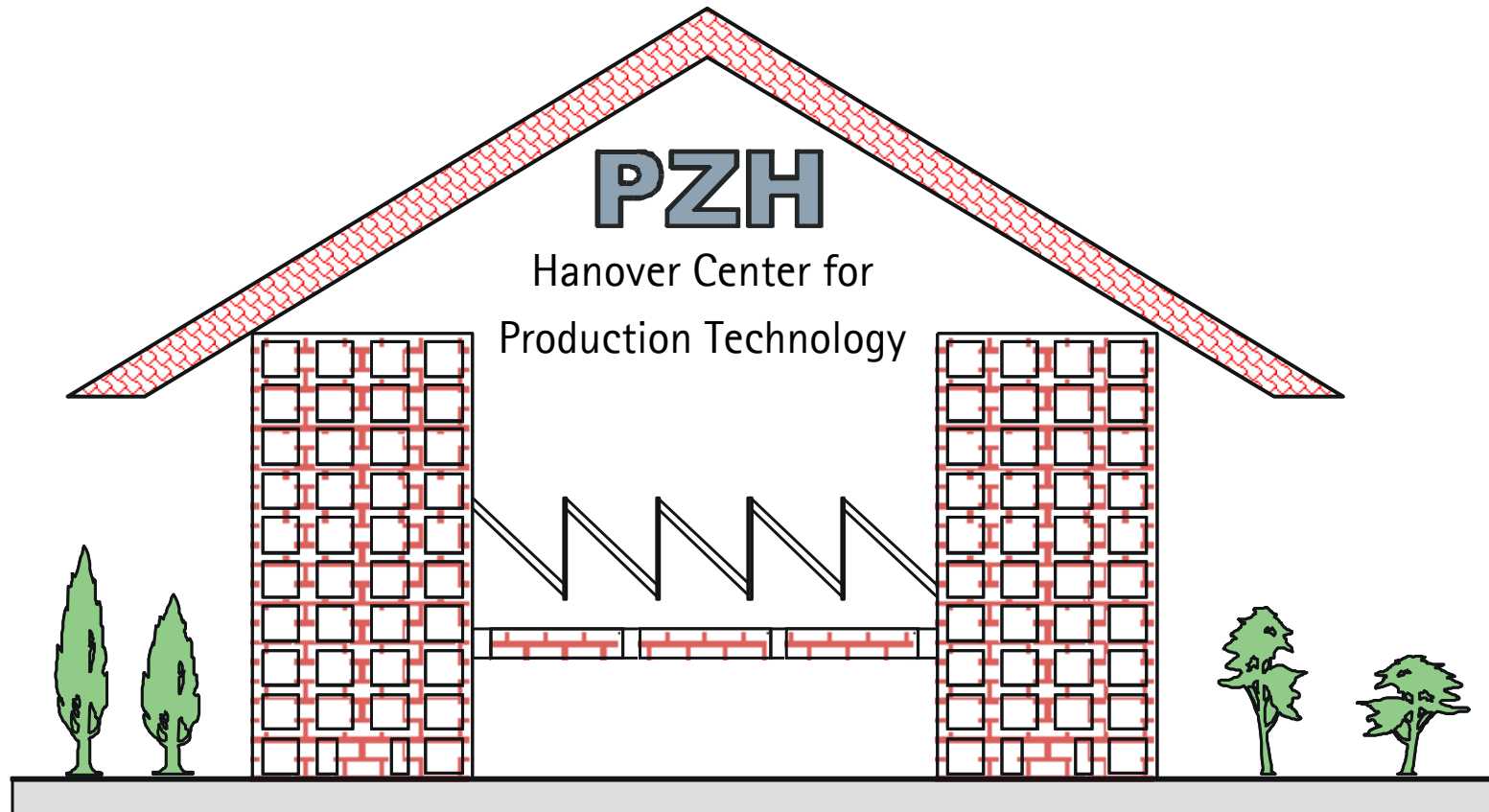
www.pzh-gmbh.de

Two-Column-Concept

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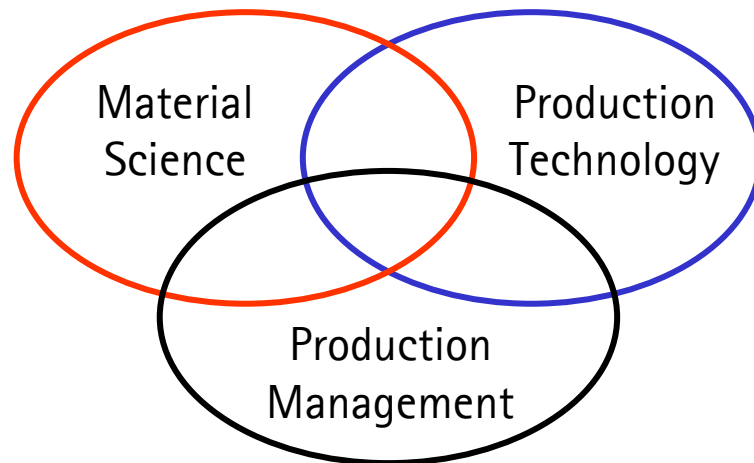
University

Industry

Interdisciplinary cooperation between Science and Industry
unites powers under one roof



Research fields:



Research Institutes for:

- Production Systems and Logistic
- Production Technology and Machine Tools
- Microtechnology
- Transport- and Automation Technology
- Metal Forming and Metal-Forming Machines
- Materials Science

Key data:

- German Research Foundation:
 - Approx. 39 mil €
- Data collection by the Institute of academic development (CHE):
 - approx. 190 000€ Third-Party –Funds per scientist per year
 - No. 4 in Germany

Institutes

- IFA Institute for Production Systems and Logistics
Prof. Peter Nyhuis



- IFUM Institute of Metal Forming and Metal-Forming Machines
Prof. Bernd-Arno Behrens



- IFW Institute of Production Engineering and Machine Tools
Prof. Berend Denkena



- imt Institute for Microtechnology
Prof. Hans-Heinrich Gatzert



- ITA Institute for Transport- and Automation Technology
Prof. Ludger Overmeyer



- IW Institute of Materials Science
Prof. Friedrich-Wilhelm Bach



Companies at PZH (Spin-Offs)



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Optical Technologies

- mt microtool GmbH
- OSIF GmbH
- Solving 3D GmbH
- trimetric 3D Service GmbH
- Procon X-Ray GmbH

Software for Production Technology

- Ingenieurbüro Jan Brinkhaus
- inside M2M GmbH
- Depingo Visuelle Medien

Product Development

- Hedrich Winding Systems GmbH
- SDS Smart Devices GmbH & Co. KG
- EWW GmbH
- DELTEC Ing.-Büro

Consulting / Engineering

- ProIng Begemann & Drabow GbR
- Prowerk GmbH
- Centic GmbH
- Paint.tec GmbH
- Eaton Power Quality GmbH
- Factory Consultants

mt microtool



ProWerk



Optische Sensortechnik
für Inspektion und Formerrfassung





- **Staff**
 - 230 scientific employees
(Mech. and Electr. Engineering, Economics, Physics, Chemistry, Mineralogy)
 - 110 technical and administrative employees
 - approx. 400 student assistants
 - approx. 800 students

- **Machines and Devices**
 - ultramodern equipment and machine tools for almost all production technologies
 - high-class measurement devices
 - clean-Room (350 qm, Class 100)
 - total value approx. 50 Mio. €

- **Building**
 - approx. 22.000 qm effective area for offices, test fields, lecture rooms, cafeteria, library



Interior Views (Laboratories/ Experimentation Hall)



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References (Selection)

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SIEMENS



AIRBUS

ALSTOM



KARMANN

fast forward



SALZGITTERAG
Stahl und Technologie



BR TECHNOLOGIES



Lenze

SCHULER



Mühlbauer
High Tech International



IDEKO
CENTRO TECNOLOGICO



GILDEMEISTER

EMUGE



BOSCH



AXXICON

CeramTec
THE CERAMIC EXPERTS



FLENDER



Mercedes-Benz



balzers



Besser ankommen



SMS
MEER
SMS group



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Thank you very much for your attention!