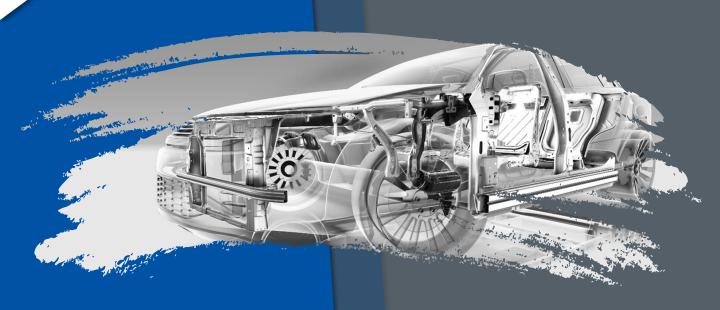


WE SPECIALIZE IN

DEVELOPMENT OF CRASH RELEVANT COMPONENTS



LINDE + WIEMANN Group is a leading German tier one automotive supplier for safety and crash relevant structural system components for automotive OEMs, operating worldwide.

About **2,400 employees** worldwide, operates from 19 production sites in 8 different countries with headquarter right in the heart of Germany.

OUR SERVICES



Product + Process Development



Prototypes



State-of-the-Art Technologies



Equipment Center

Building strong development partnerships

In order to be the preferred strategic supplier and development partner, we intensify the close cooperation with our customers through our product development and our excellent manufacturing capacities.

CREATE





LINDE + WIEMANN strives for maximum precision, weight optimization and resource conservation.

Attributes to which we orient ourselves. Continously.

MEASURE

- Examination of shape design, dimensions and tolerances according to drafts.
- Elaboration of designs considering specific manufacturing technologies, given materials and technical standards.
- Editing of design changes / implemented change management.



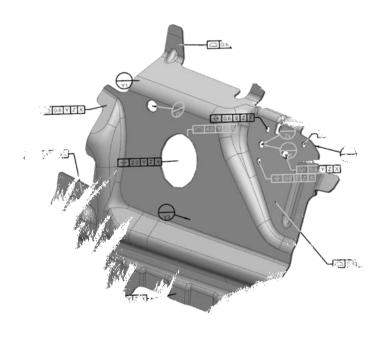
DFMEA, creation of BOM and drawing checks

We are focusing our global presence on serving our valued customers in the relevant growth markets and regions in the long term.

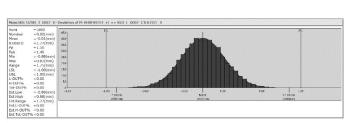
DESIGN THINKING

- Ensuring function and manufacturability with required tolerances.
- Identification of improvement potential with regard to tolerances, RPS and geometry.
- Assurance of process capability in theory.

TOLERANCE CONCEPTS



Key player Tier-1 supplier for technology solutions for crash and safety relevant structures for fast growing new BEV platforms.



Index	Tolerance	Point	Part	Range	Offset	Percent	Graph
1	HHBFS C 1 0 1#2	HHBFS931F_z1	1470031 E1517 15 HALTER HUD BFS DLU 151109	M:1.000(mm)	0.000(mm)	68.64%	
	[XY] Positionaloleranz des Messpunktes						
-	HHBFS C 0 5 1#7	HHBFS9011	1470031 F1517 15 HALTER HUD BES DLU 151109	M:0.500(mm)	0.000(mm)	22.67%	
	[XY] Positionstoleranz des RPS-Punkles						
3	HP HHBES/FIX 7YX	FIX HHBES9011	ZR TRAGSTRUKTUR 11 UZSR 3	C:0.300(mm)	0.000(mm)	5.67%	8
	Hote-Pin Clearance At HHBFS901L And FIX_HHBFS901L						
-	HHBFS C 0 2 1415	FIX_HHBFS0011	FIX_7B_TRAGSTRUKTUR_LL_U7SB_3	M:0.200(mm)	0.000(mm)	2.52%	1
	(XY) Vorrichtungstoleranz für pin						
	HHDFS_L_0_3_1#1	HHBFS907F_Z	1470031_F1517_15_HALTER_HUD_BFS_DLU_151109	M:0.300(mm)	0.000(mm)	0.17%	1
	[Z] Bautelltoleranz des Messpunktes						
	HHDFS_L_0_3_1#1	HIDES909F_Z	1470031_C1517_15_HALTCR_HUD_BFS_DLU_151109	M:0.300(mm)	0.000(mm)	0.17%	1
	[7] Sauteilteieranz des Messpunktes						

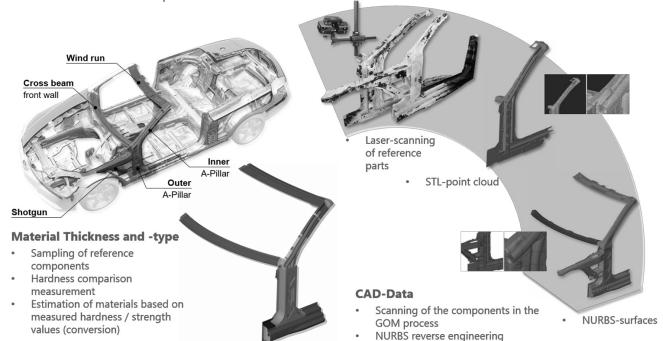




Concept Know-How and Benchmarking

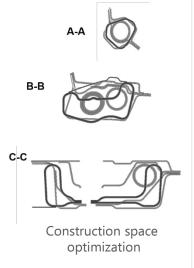
BENCHMARKING

We position ourselves as a key player in technological solutions for crash and safety-related structures for non-conventional platforms.

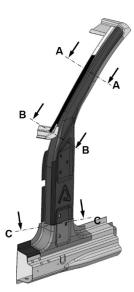


CAD-Model parametric

- We develop solutions for products within the framework of given concepts.
- Development projects and coordination with Centre of Competence.



CAD reverse engineering





CAE + Component Testing

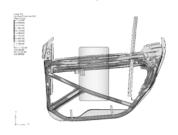
We strive to be at the forefront of sustainability and social responsibility in our competitive environment.

Contributing towards improving the safety of vehicles while reducing cost and weight for innovative Body-in-White, crash and safety relevant structural components and technology solutions.

CCB / Modal- and Shaker Analysis:



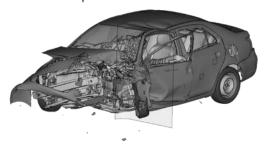
Door Identation/Impact:

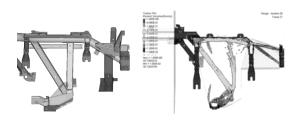


CCB / Lateral Stiffness Crash:



Small-Overlap:





Topology + Topography optimization

OPTIMIZATION

Implicit and explicit CAE-calculation such as various stiffness load cases (lateral, torsional etc.), frequency (NVH), radial elasticity, front intrusion etc. can be performed in-house at LINDE + WIEMANN.

Interested? → Feel free to contact us!



Prototypes

Are you looking for a reliable partner to turn your ideas into a (BIW-) prototype?

