



VOLKSWAGEN ACADEMY:

FUTURE-PROOF TRAINING WITH 3D PRINTING

At Volkswagen Academy in Emden, 3D printing is essential for hands-on training and innovation. Trainees use Original Prusa 3D printers to create a range of prototypes, custom tools, and production aids, handling projects from label templates for the ID.4 model to tailored tools for assembly tasks. With over 1,900 printing hours logged weekly, students gain practical skills in design, model preparation, and production processes. This real-world approach allows trainees to experiment with advanced materials like PETG, PC-CF, and nylon, preparing them for industry challenges. Integrated across both training and live production environments, the Academy's autonomous 3D printing farm enables flexible, on-demand manufacturing, empowering students to adapt to evolving needs in the automotive field.



**“We have identified
3D printing technology
as an important factor
of the future-proof
training,”**

says Herbert Kretzmer,
Lead Trainer at Volkswagen
Academy Emden.

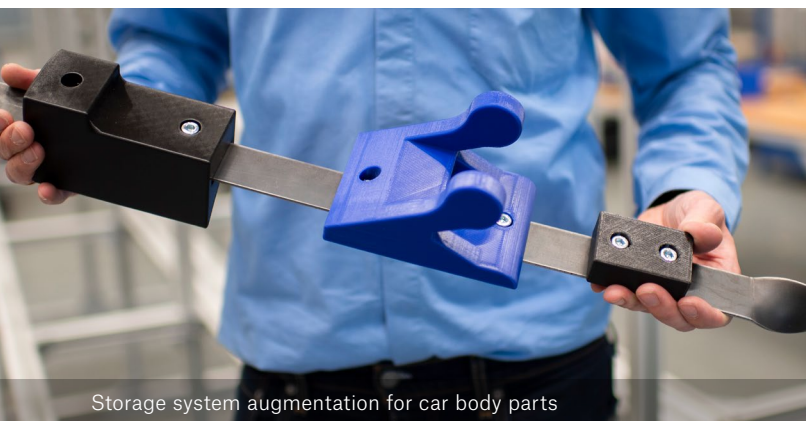
Volkswagen AG, headquartered in Wolfsburg, Germany, is one of the world's largest and most renowned automotive manufacturers. Founded in 1937, the company produces a wide range of vehicles under various brands, including Volkswagen, Audi, Škoda, and Porsche.

Location:	Emden, Germany, EU
Employees:	8,000
Industry:	Education, manufacturing, automotive
Filaments:	Prusament PETG, PC Blend CF, TPU
Use of 3D printing:	Proof-of-concept, prototyping, small-batch manufacturing

BENEFITS OF 3D PRINTING AT **VOLKSWAGEN ACADEMY**:

- **Over 1,900 printing hours weekly** for hands-on training.
- Trainees make custom jigs and tools using **advanced materials**.
- **Real-world experience** with 3D-printed parts used in assembly.
- "Future-proof" skills in VW's evolving electromobility goals.

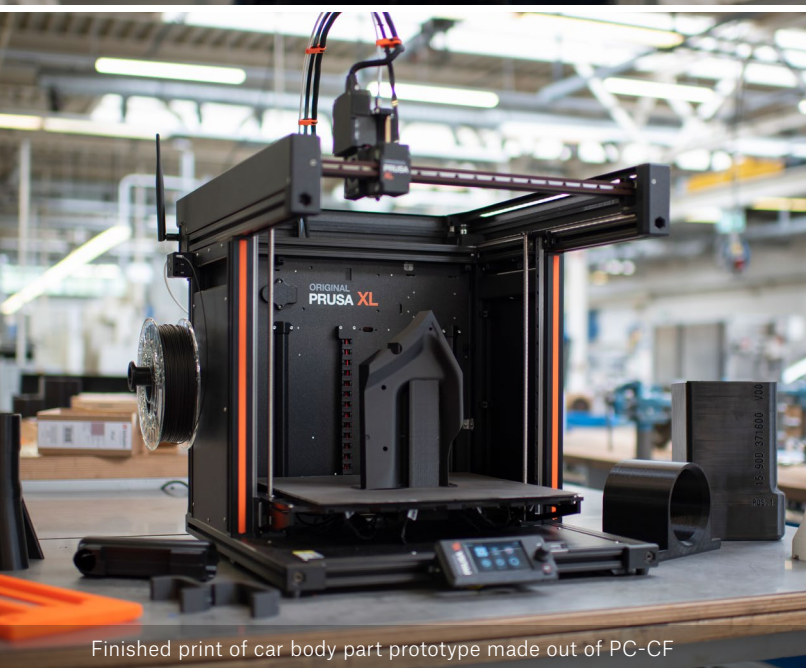
EXAMPLES OF 3D PRINTING AT **VOLKSWAGEN ACADEMY**:



Storage system augmentation for car body parts



An auxiliary tool for attaching labels to the new ID.4



Finished print of car body part prototype made out of PC-CF



Screwdriver made better with a customized handle

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