

Jenoptik JENscan® Style - Translucent

JENOPTIK Business Unit Laserprocessing





Future Trend - Translucent

Exterior of the Future

Functional Lights, Design Elements, Car-to-Pedestrian Communication



























References: Plastic Omnium (https://www.plasticomnium.com/en/style-and-interactivity/), Magna (https://www.nagna.com/de/blog/post/optische-anziehungskraft-mit-dem-mezzo-panel-von-magna), Hella (https://www.hella.com/soe/en/News/Panel-technology-HELLA-develops-new-design-concepts-for-the-vehicle-front-end-5022), Audi (https://www.hella.com/soe/en/News/Panel-technology-HELLA-develops-new-design-concepts-for-end-5022), Audi (https://www.hella.com/soe/en/News/Panel-technology-HELLA-develops-new-design-concepts-for-end-5022), Audi (https://www.hella.com/soe/en/News/Panel-technology-HELLA-develops-new-design-concepts-for-end-5022), Audi (https://www.hella.com/soe/en/News/Panel-technology-HELLA-develops-news-for-end-5022), Audi (https://www.hella.com/soe/en/News/Panel-technology-HELLA-develops-news-for-end-5022), Audi (https://www.hella.com/soe/en/News/Panel-technology-HELLA-develops-news-for-end-5022), Audi (https

Exterior of the Future

Functional Lights, Design Elements, Car-to-Pedestrian Communication



Functional Lights



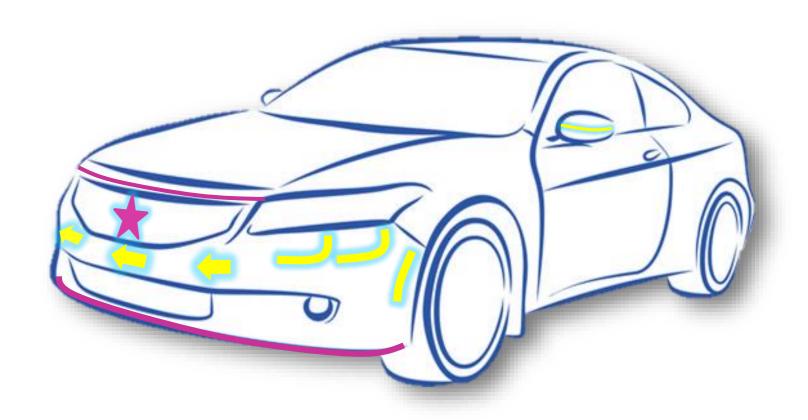
Design Elements



Car-to-Pedestrian

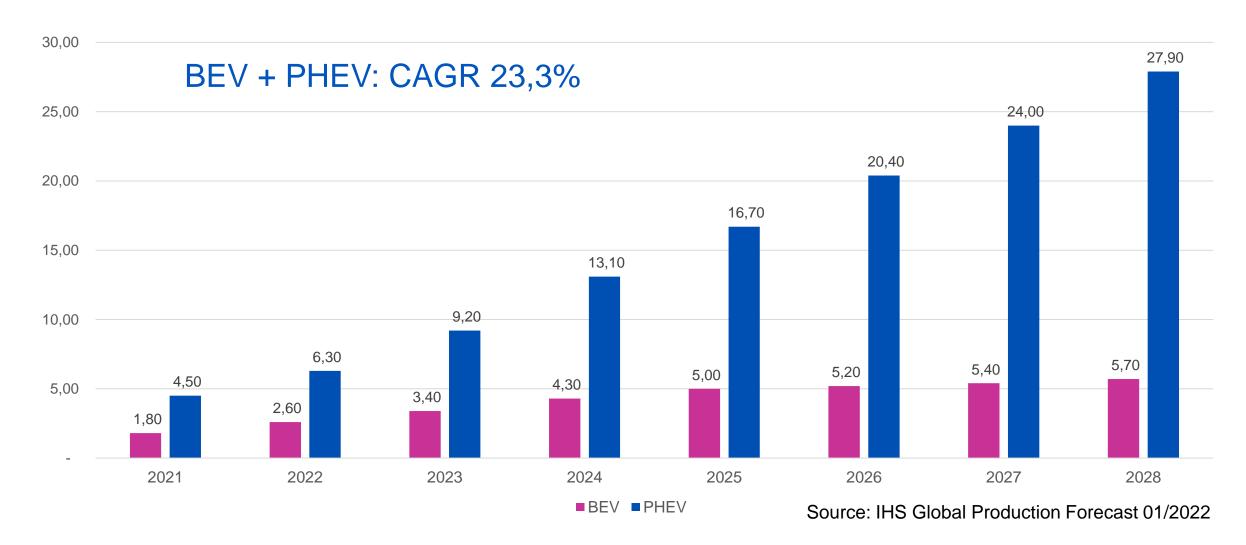
6/27/2022







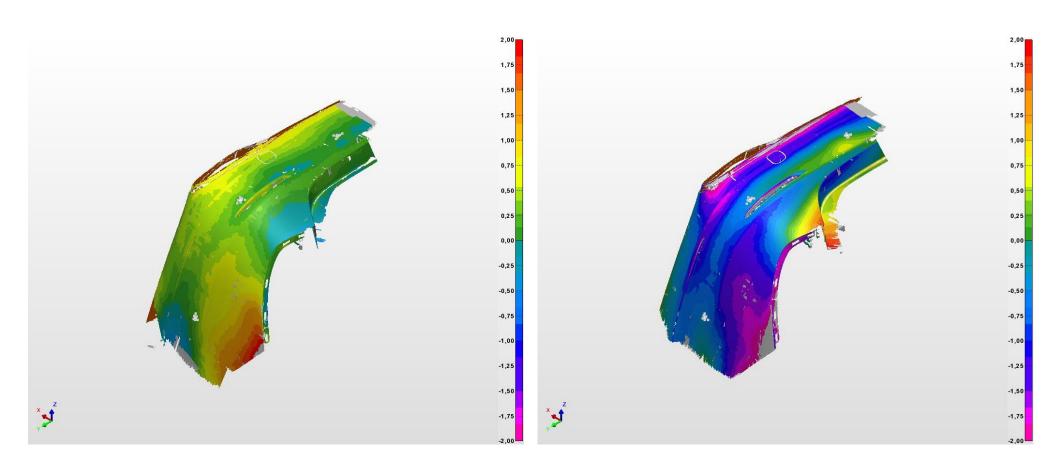








Part to part variation up to several millimeters





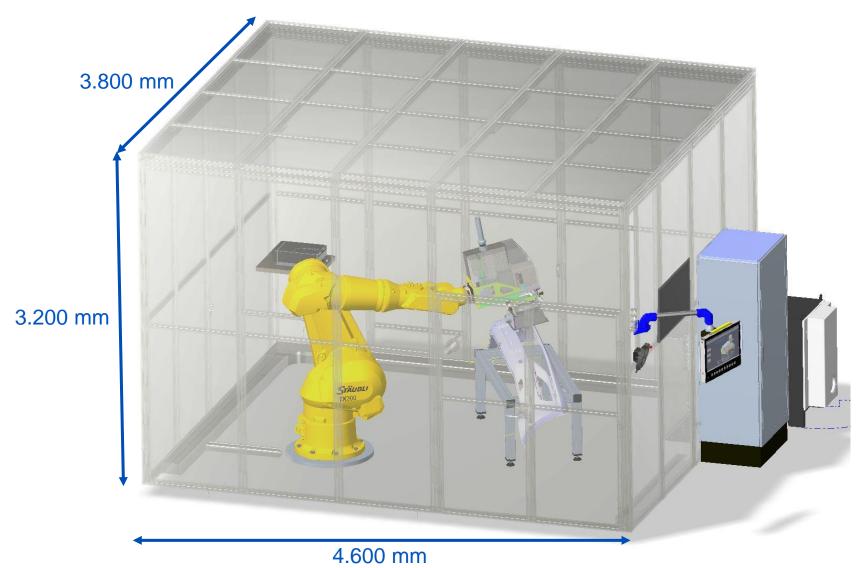


JENscan Style Technology

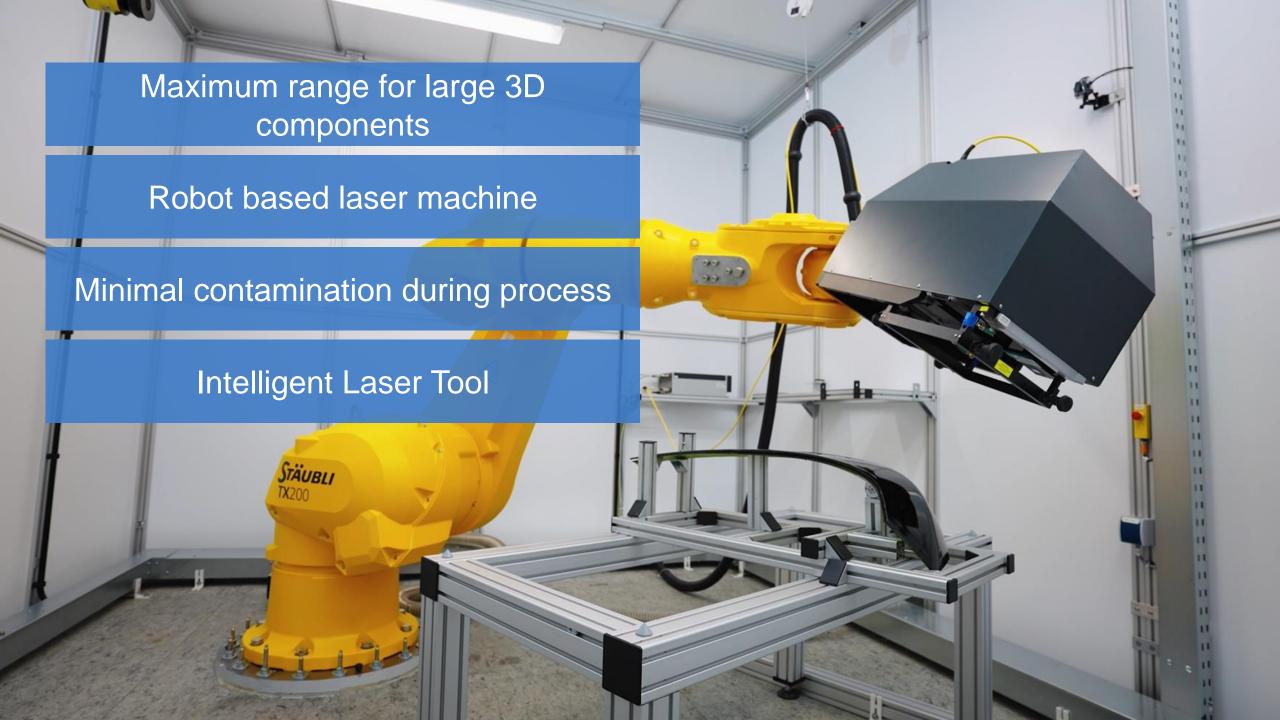
Machine Layout

6/27/2022

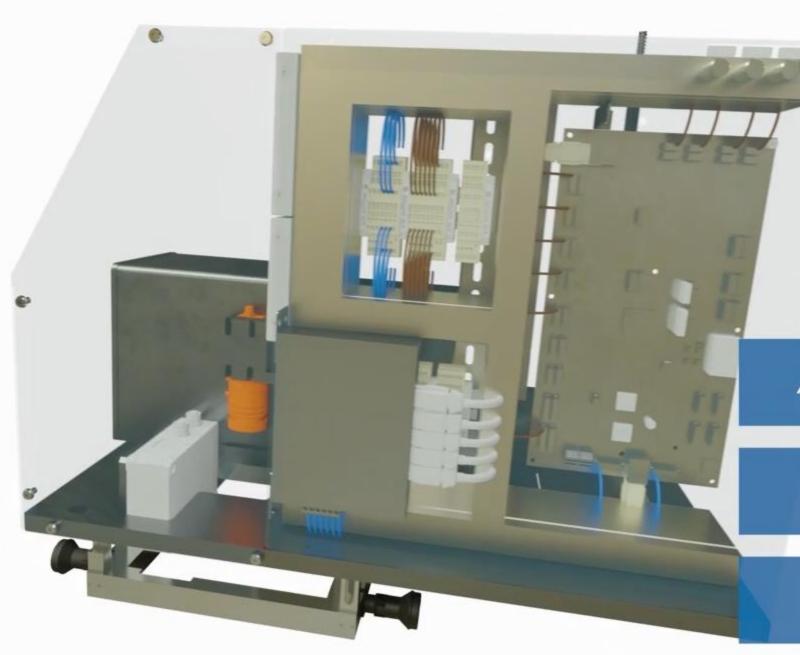




JENOPTIK Business Unit Laser Processing





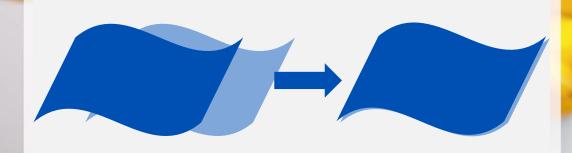


Active 3D Alignment

Active Feature

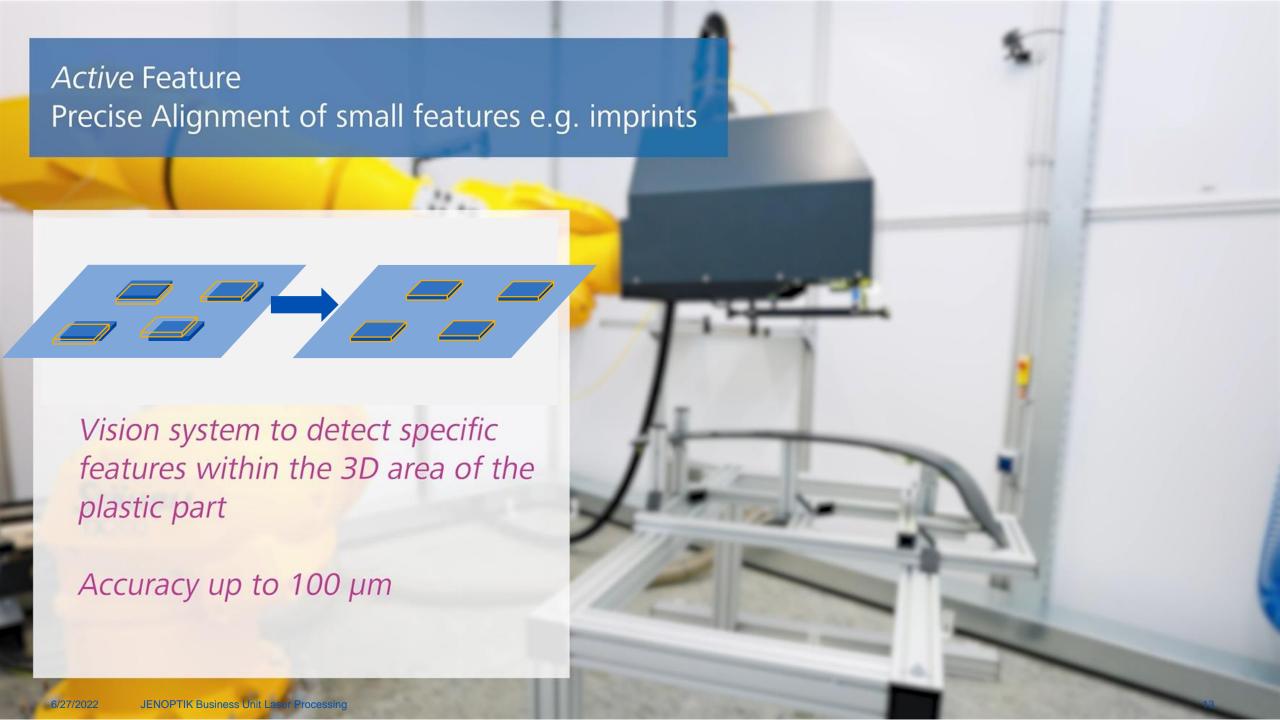
Active Stitch



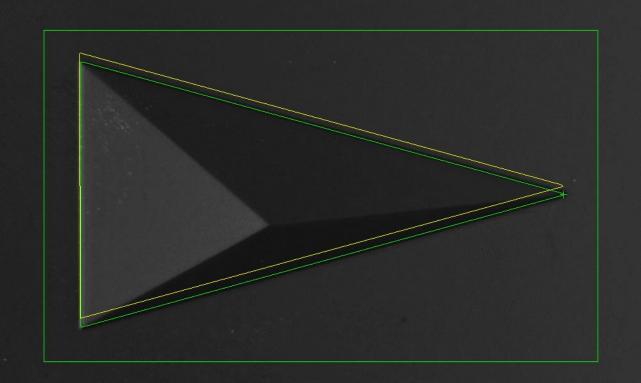


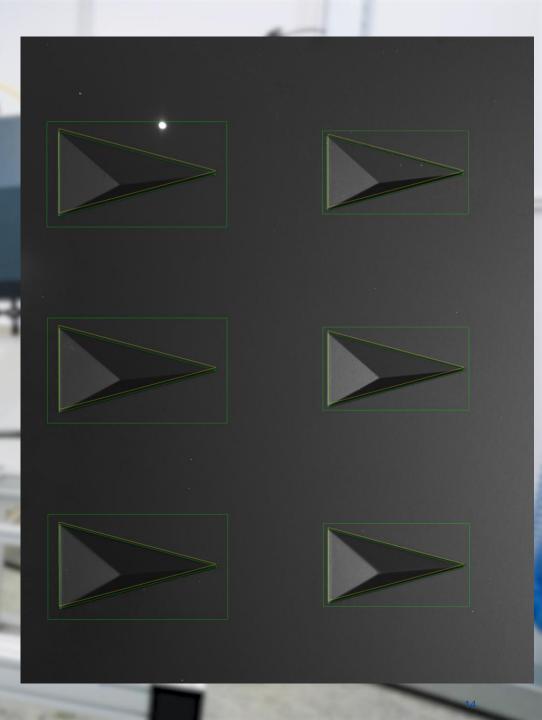
3D vision system to measure the geometry of the part, in order to adapt the CAD design on the 3D geometry of the real part

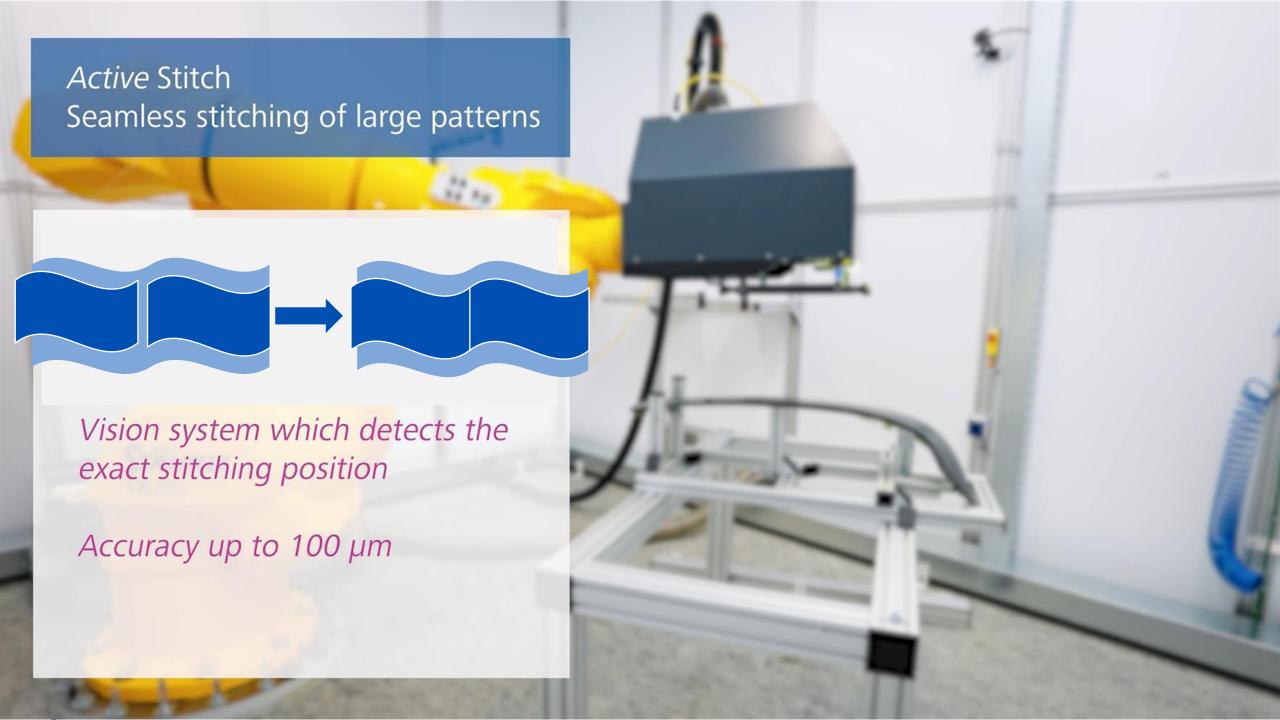
Accuracy up to 500 µm

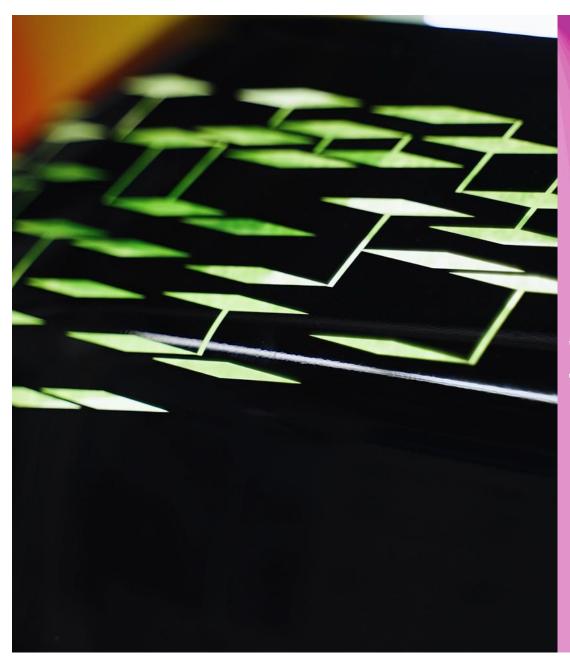


Active Feature
Precise Alignment of small features e.g. imprints









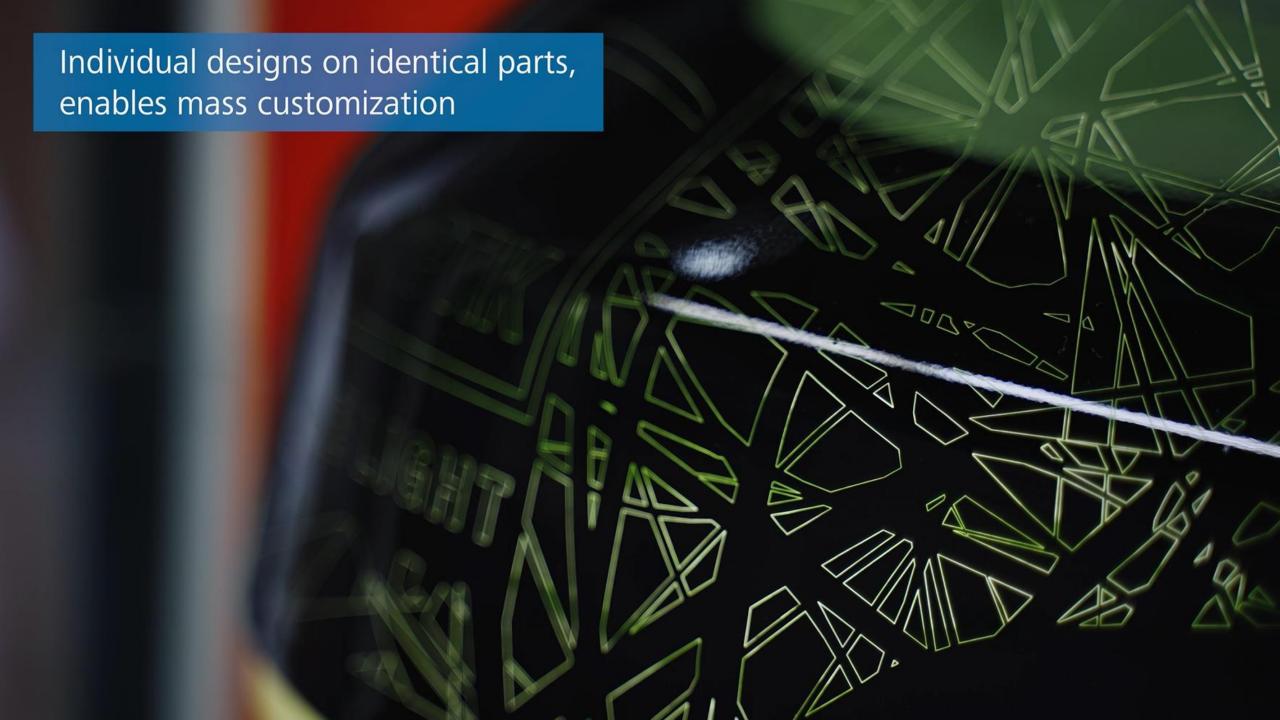


16

JENOPTIK Applications-Translucent

Individual designs on identical parts, enables mass customization







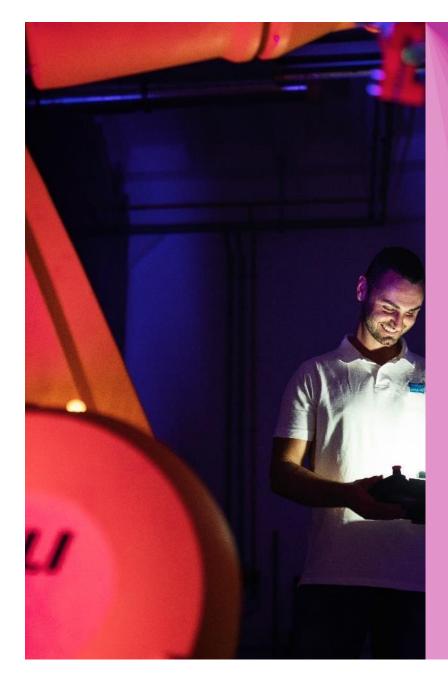


3D Interior Panel











22

Production Process

Production Process

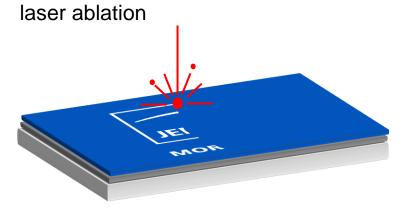


Step 1:

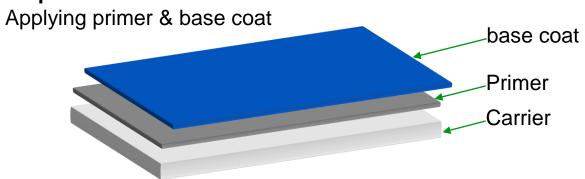
Carrier without color additives



Step 3:



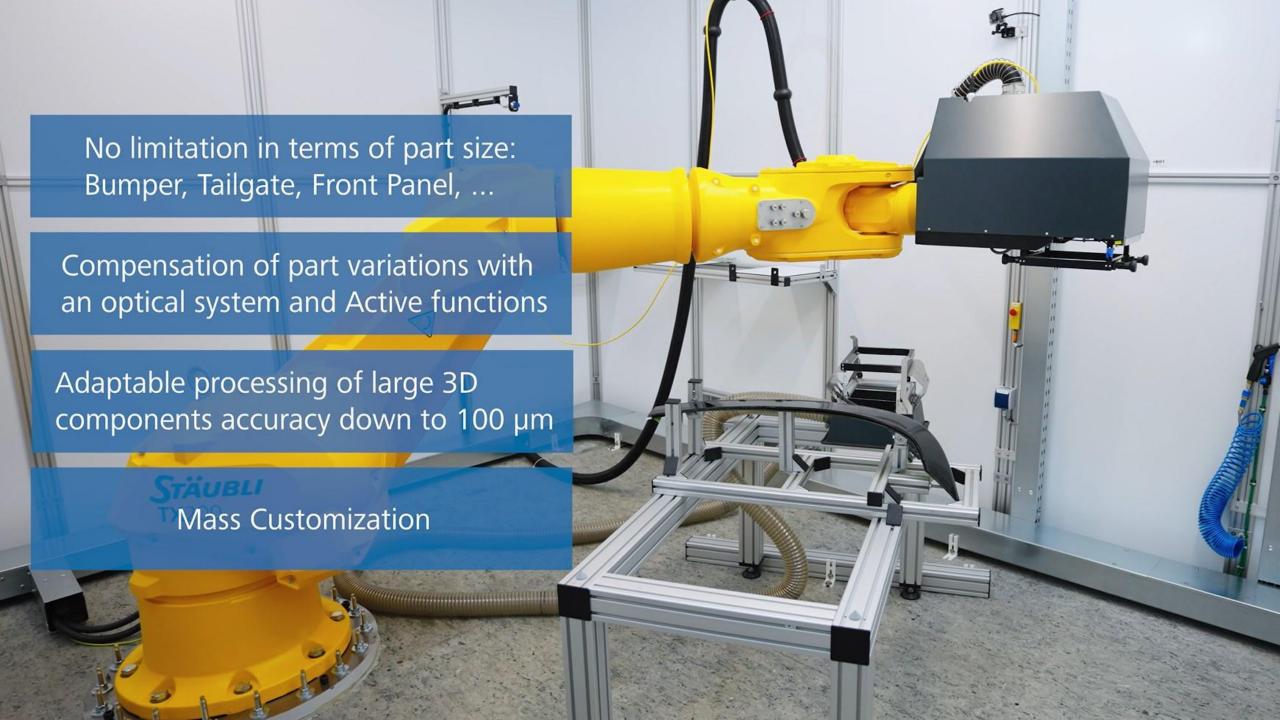
Step 2:



Step 4:

applying of clear coat







Contact us

JENOPTIK | Light & Production

JENOPTIK Automatisierungstechnik GmbH Konrad-Zuse-Strasse 6 07745 Jena

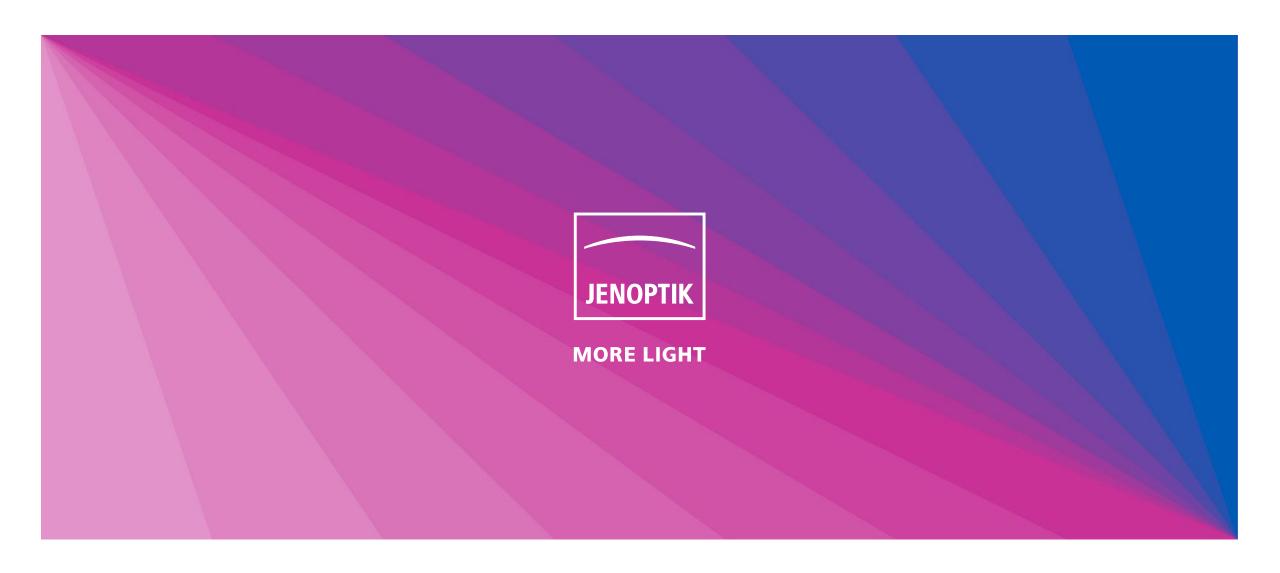
Phone: +49 3641 65-2534 Fax: +49 3641 65-2540

laserprocessing.sales@jenoptik.com laserprocessing.service@jenoptik.com www.jenoptik.com/lasermachines

Follow us on LinkedIn Automotive Follow us on YouTube Follow us on Twitter



© Copyright Jenoptik. All rights reserved.



Thank You