

FORMING THE FUTURE



LASER BLANKING LINES

For the blank production of tomorrow

MAXIMUM FLEXIBILITY. WITH DYNAMIC FLOW TECHNOLOGY.



Laser blanking line with one laser head LBL 1.18 DFT.



Laser blanking line with two laser heads LBL 2.18.


Innovative DynamicFlow Technology for maximum flexibility. Blanking lines with laser are particularly suitable for production processes with frequent product changes, as no tools are used in this process. Frequent and lengthy tool changes, costly tool maintenance and tool storage are eliminated.

The innovative DynamicFlow Technology offers highly flexible production conditions at comparatively low investment costs. The laser blanking line processes a wide range of materials such as aluminum or high-strength steels and guarantees high product quality even for surface-sensitive outer skin blanks.



DynamicFlow Technology

TECHNICAL DATA.

VARIATIONS	LBL 1.18-S2C	LBL 1.18-DFT	LBL 2.18-S-DFT	LBL 2.18-BP-DFT	LBL- 2.21-BP-DFT
DFT Dynamic Flow Technology	-				
S2C Stop to Cut Technology		-	-	-	-
Strip width [mm]	400 - 1,850	400 - 1,880	400 - 1,880	400 - 1,880	400 - 2,150
Coil weight [t]	22	25	max. 25	max. 30	max. 30
Strip material	Steel, aluminum, high-strength steel				
Strip thickness [mm]	0.5 - 4.0	0.6 - 3.0	0.6 - 3.0	0.6 - 3.0	0.6 - 3.0
Strip speed [m/min]	max. 40	max. 40	max. 40	max. 60	max. 60
Number of lasers	1	1	2	2	2
Laser power [kW]	6-10	6-8	6-8	4-8	4-8
Blank cleaning device	-*	-*	-*	incl.	incl.
Blank length [mm]	max. 4,000	max. 4,000	max. 2,000	max. 4,500	max. 4,500
Stacking height incl. pallet [mm]	max. 750	max. 750	max. 750	max. 750	max. 750

* Upon request.

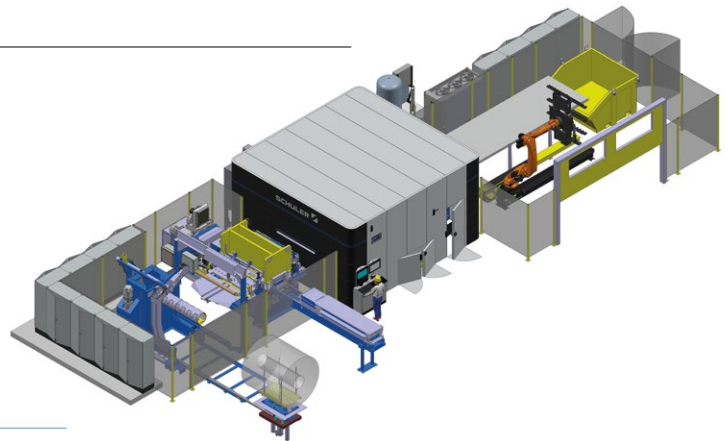
SCHULER BLANKING LINES. THE PRODUCT FAMILY.

FLEXIBILITY



COILLASER S2C/DFT

Perfect for small batch sizes and
a wide range of products
Space-saving system

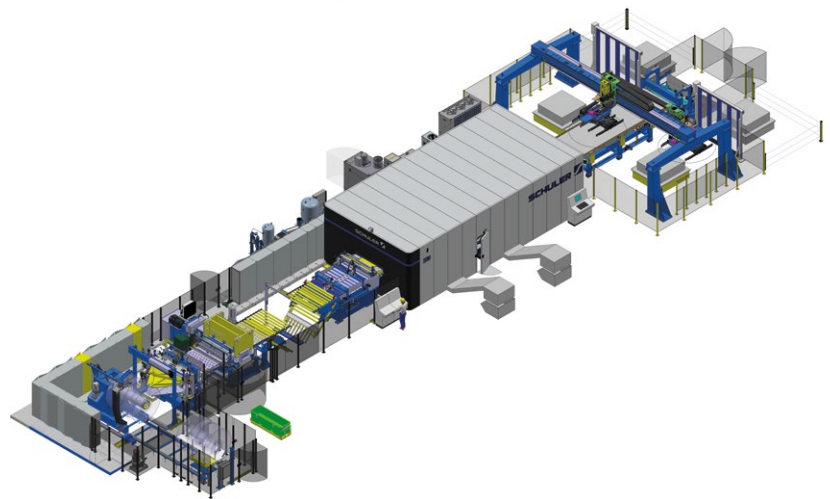


FLEXIBILITY



STRUCTURAL PARTS

Flexible stacking patterns
Reorientation of the components
High component accuracy

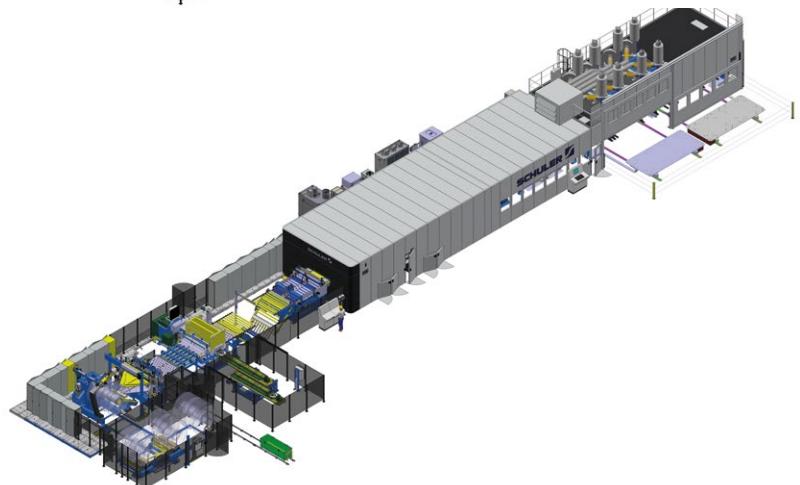


FLEXIBILITY



OUTER SKIN ALUMINUM/STEEL

Perfect for many product changes with small batch sizes
Die-free cutting
Highest outer skin quality
Maximum output
Simple and cost-efficient installation
High material savings potential through digital nesting



LASER BLANKING WITH DFT.

ADVANTAGES AT A GLANCE.



Based on our many years of experience in the automotive industry, our Laser Blanking Lines with DFT deliver an impressive package for incredibly flexible production at comparatively low investment costs. This combination makes DFT the legitimate alternative to conventional, tool-based cutting systems in the press shop.



FLEXIBLE BLANK GEOMETRIES

Suitable for all blank shapes
Easy adaptation after production start-up
No restriction by tools
Simultaneous production of diff. blank shapes
Backup production for other models/sites



HIGH SURFACE QUALITY

Less burr in the forming process
Homogeneous blank edges
Clean blanks



PRODUCT CHANGE

No tool change
Fast product change at the push of a button
High availability



REDUCED NOISE EMISSION

No impact shock
No press vibrations



REDUCED INVESTMENT

No press foundation or loop pit required
No tools
No area for tools/maintenance
No special infrastructure

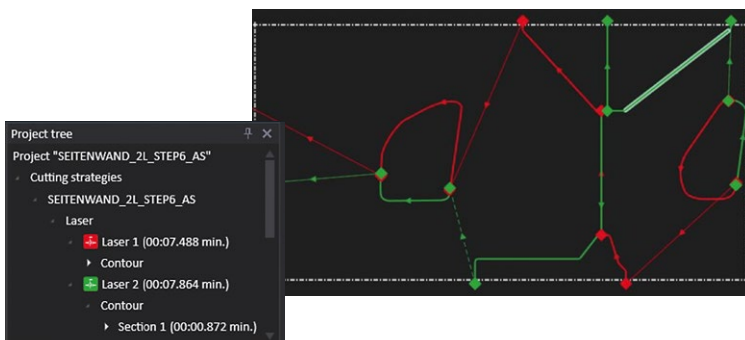


ONGOING SAVINGS

Lower costs for maintenance
No costs for tools and tool storage
Reduced material costs
High energy efficiency

LBL STUDIO: CAD/CAM PROGRAMMING TOOL

Conversion of a DXF file to an NC cutting program in seconds



- Simulation of various cutting strategies
- Simulation of throughput
- Offline programming on a laptop
- DXF export function for quality control
- Material parameters
- Laser parameters
- Laser marking available
- User-friendly Schuler solution

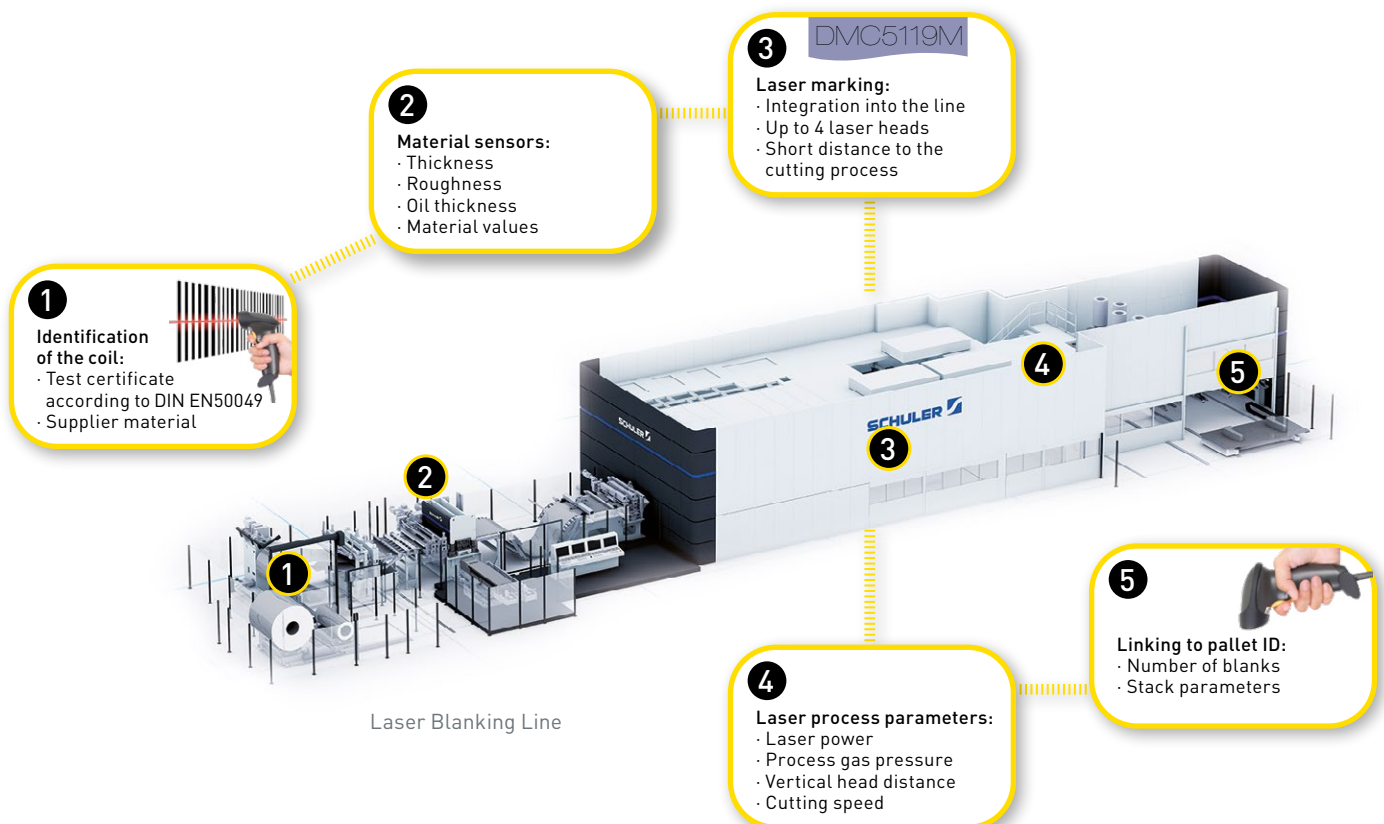
TRACK AND TRACE FROM SCHULER.

DETECT AND ELIMINATE DEFECTS IN PARTS.

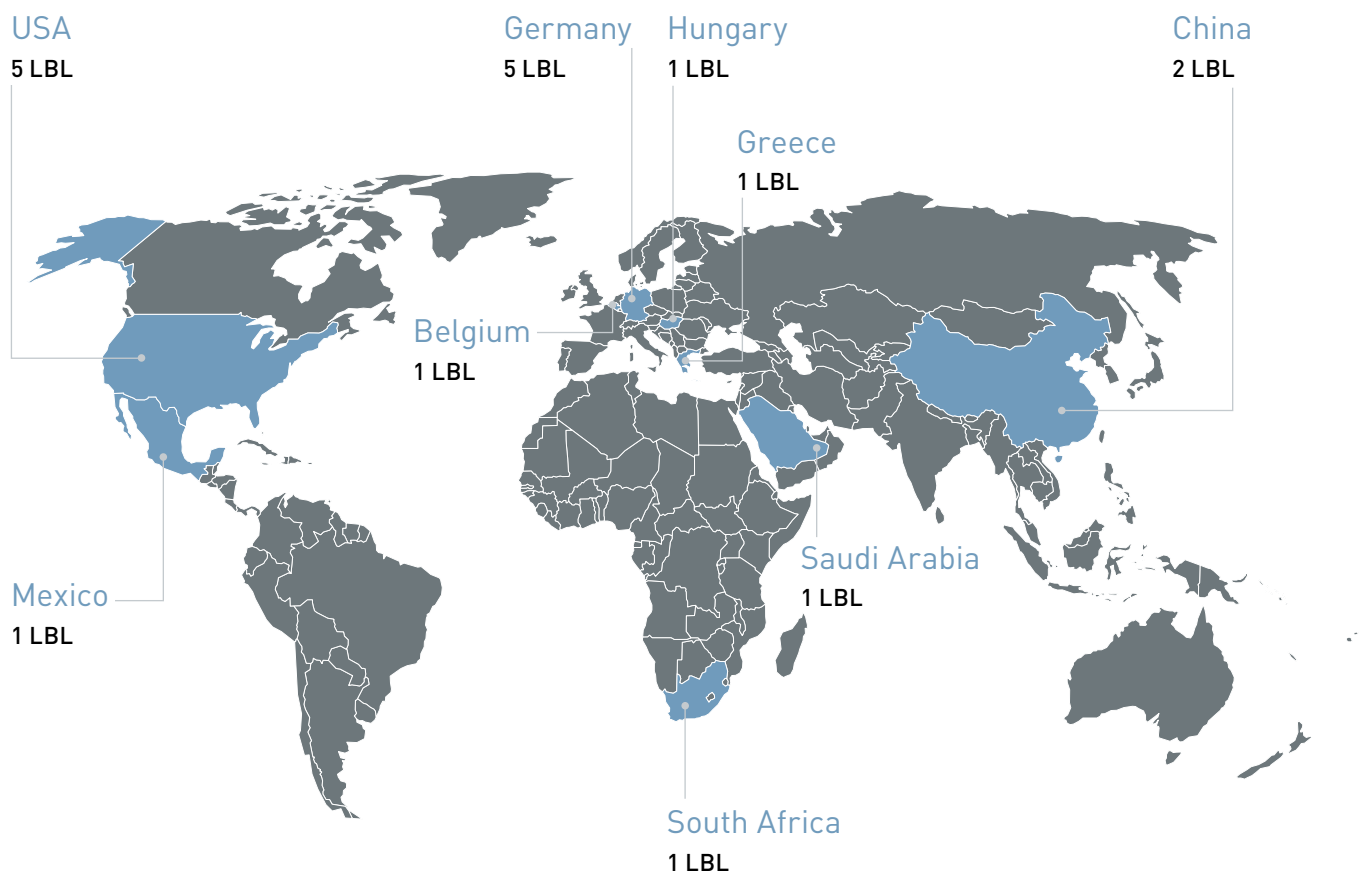
LESS SCRAP, MORE QUALITY.

Using Track and Trace from Schuler you can track and trace your production process without having to compile data and information from different sources. Quality defects and their causes can be identified immediately. Every part is linked to relevant data and information. The system marks parts with a unique ID that can be identified again at various points in time and throughout different product stages. All important information for this ID is stored in a database so that it is subsequently possible to trace which

coil the processed part came from, what the parameters were during the forming process, and which quality characteristics the part exhibits. Schuler's Track and Trace has direct access to the system controller, and therefore to a wide range of different parameters. This in turn helps you minimize rejects and increase your product quality. Track and Trace can also be integrated into your existing system as a retrofit option.



LASER BLANKING LINES. WORLDWIDE.



DIGITAL SUITE – DIGITALIZATION IN THE PRESS SHOP

With its Digital Suite, Schuler offers you new opportunities to boost the productivity of your press shop. From the networking of your systems and die protection to component tracking and production monitoring.

Embark on the path to digitalization with Schuler. Reliable, uncomplicated, and customized to your individual needs.

digital@schulergroup.com

① MORE INFORMATION



<https://digitalsuite.schulergroup.com/en/>

ABOUT THE SCHULER GROUP – WWW.SCHULERGROUP.COM

Schuler offers customized cutting-edge technology in all areas of forming – from the networked press to press shop planning. In addition to presses, our products include automation, dies, process know-how and service for the entire metalworking industry. Schuler's Digital Suite brings together solutions for networking forming technology and is continuously being developed to further improve line productivity and availability. Our customers include automotive manufacturers and suppliers, as well as companies in the forging, household appliance and electrical industries. Presses from the Schuler Group mint coins for more than 180 countries. Founded in 1839 at our headquarters in Göppingen, Germany, Schuler has approx. 5,000 employees at production sites in Europe, China and the Americas, as well as service companies in more than 40 countries. The company is part of the international technology group ANDRITZ.

WE ARE THERE FOR YOU



Bernhard Köhler

Sales Director

Phone +49 9135 715-317

bernhard.koehler@schulergroup.com



Berthold Jüttner

Area Sales Manager Europe

Phone +49 9135 715-218

berthold.juettner@schulergroup.com



Justine Fonteyne

Area Sales Manager North & South America

Phone +49 9135 715-387

justine.fonteyne@schulergroup.com



Hung Nguyen

Area Sales Manager

Phone +49 160 6174 191

hung.nguyen@schulergroup.com

Schuler Pressen GmbH

Lois-Schuler-Straße 1

91093 Heßdorf

Germany

Phone +49 91 35 715-0

Fax +49 91 35 715-103

info@schulergroup.com

www.laserblanking.schulergroup.com



[www.schulergroup.com/
laserblanking](http://www.schulergroup.com/laserblanking)