

Laser Surface Texturing for Unlimited Creativity

Automotive Interiors Expo 2012

Stuttgart, June 13, 2012

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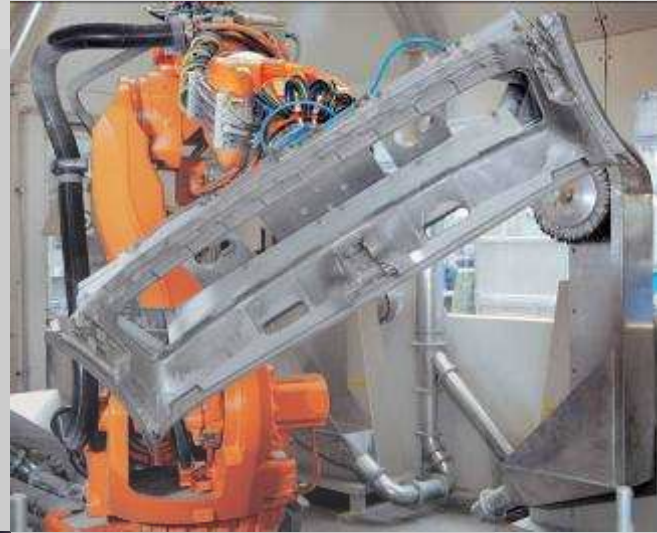
AgieCharmilles
New Technologies SA

Jean-José PACCAUD
Managing Director

GF AgieCharmilles

GF Automotive

No. 1 in Europe,
technology leader worldwide



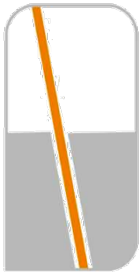
GF Piping Systems

One of the world's leading suppliers
of piping systems made of
plastic or metal.

GF AgieCharmilles

Global leader in EDM, tooling and automation;
major HSM supplier, leading in 3D Laser





EDM



Milling



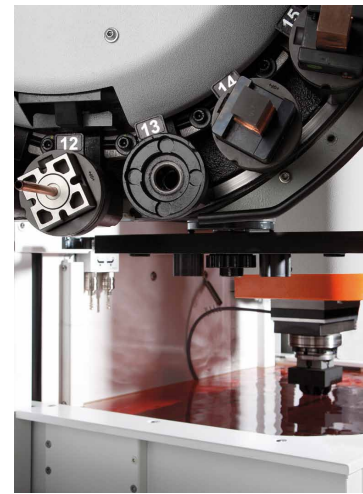
Laser



Automation

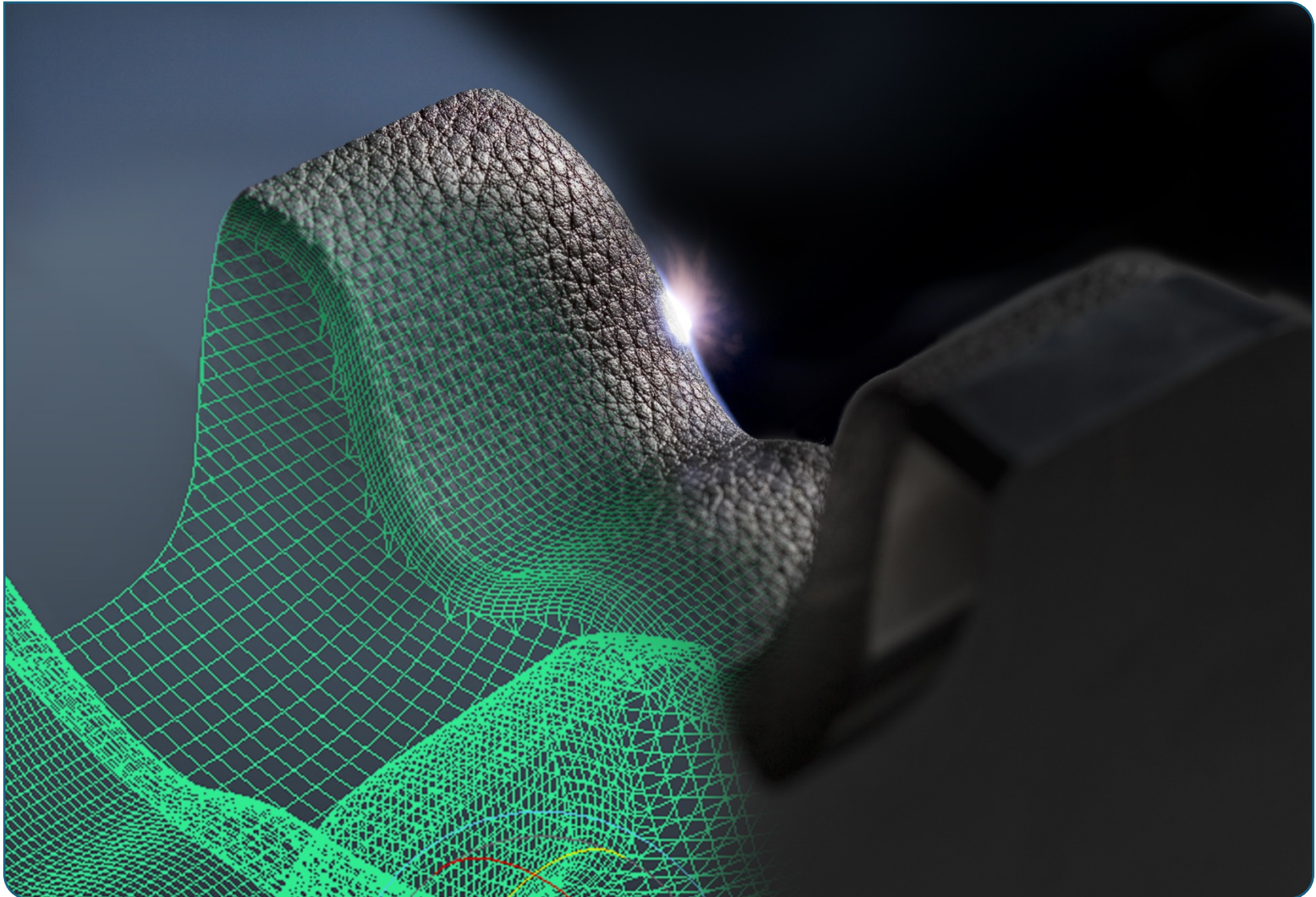


Customer
Services



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What can I do for you ?

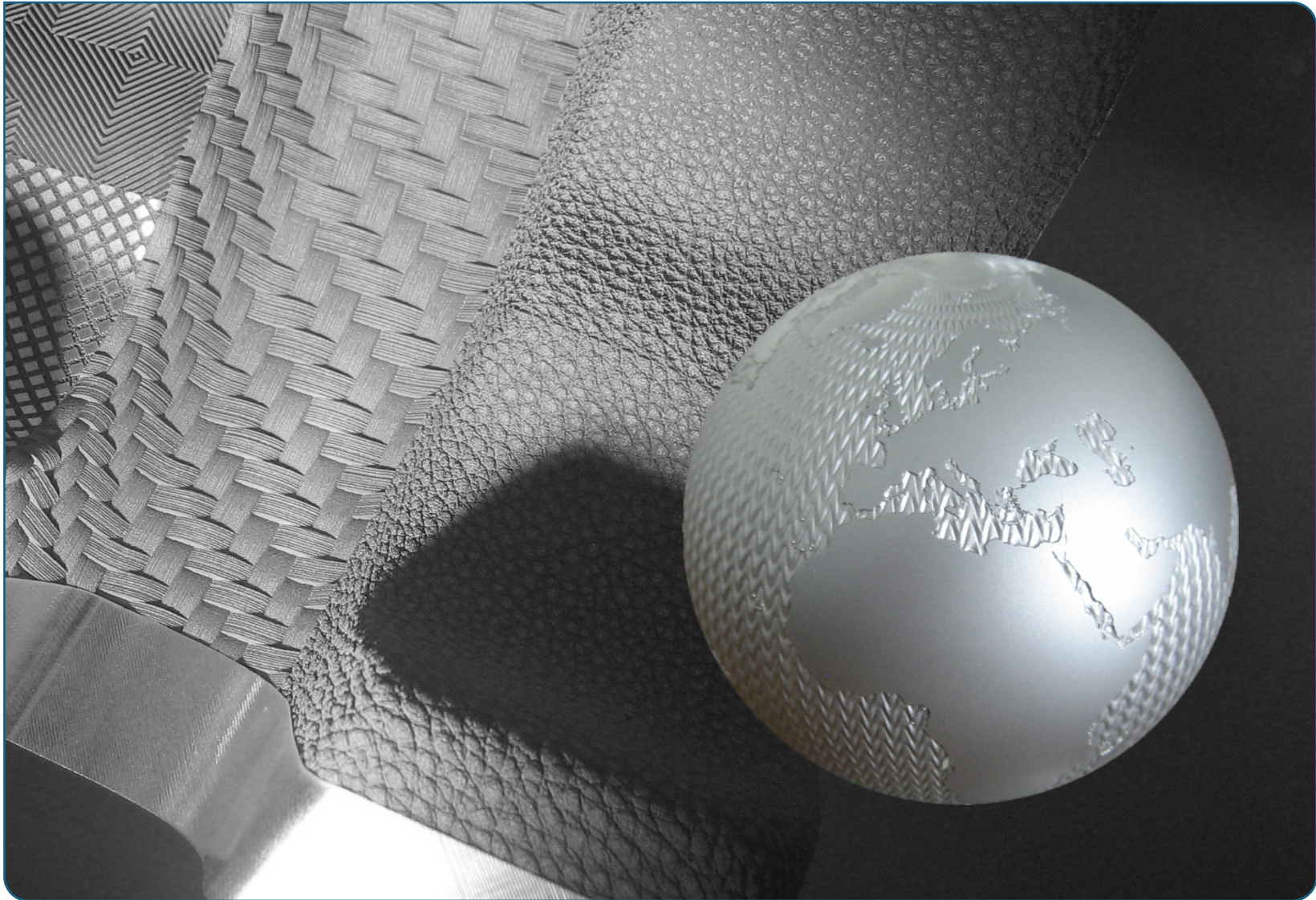
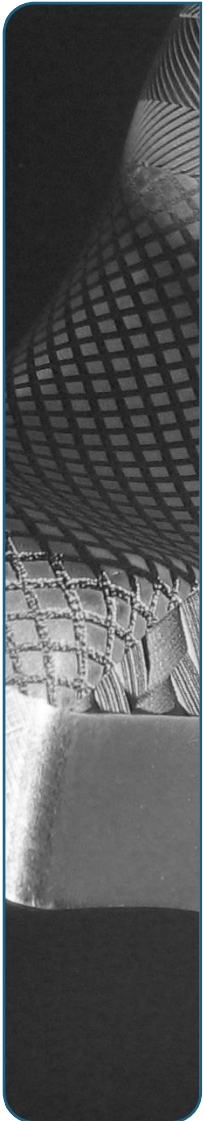


June 13, 2012

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Slide 4

Texturing the world



...how we understand your daily challenge



- Differentiation



- Complexity



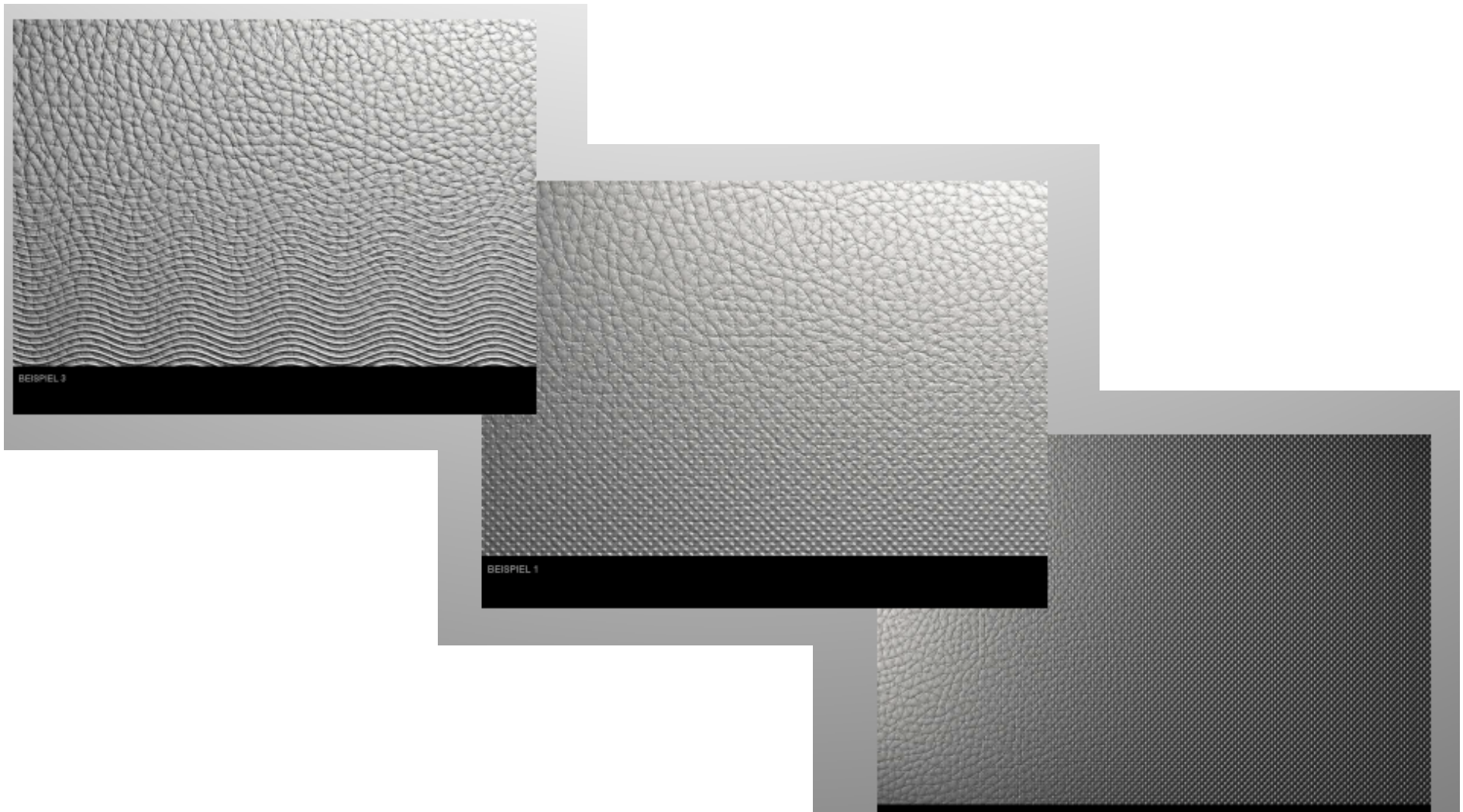
- Global activity

What can we do for your - Differentiation



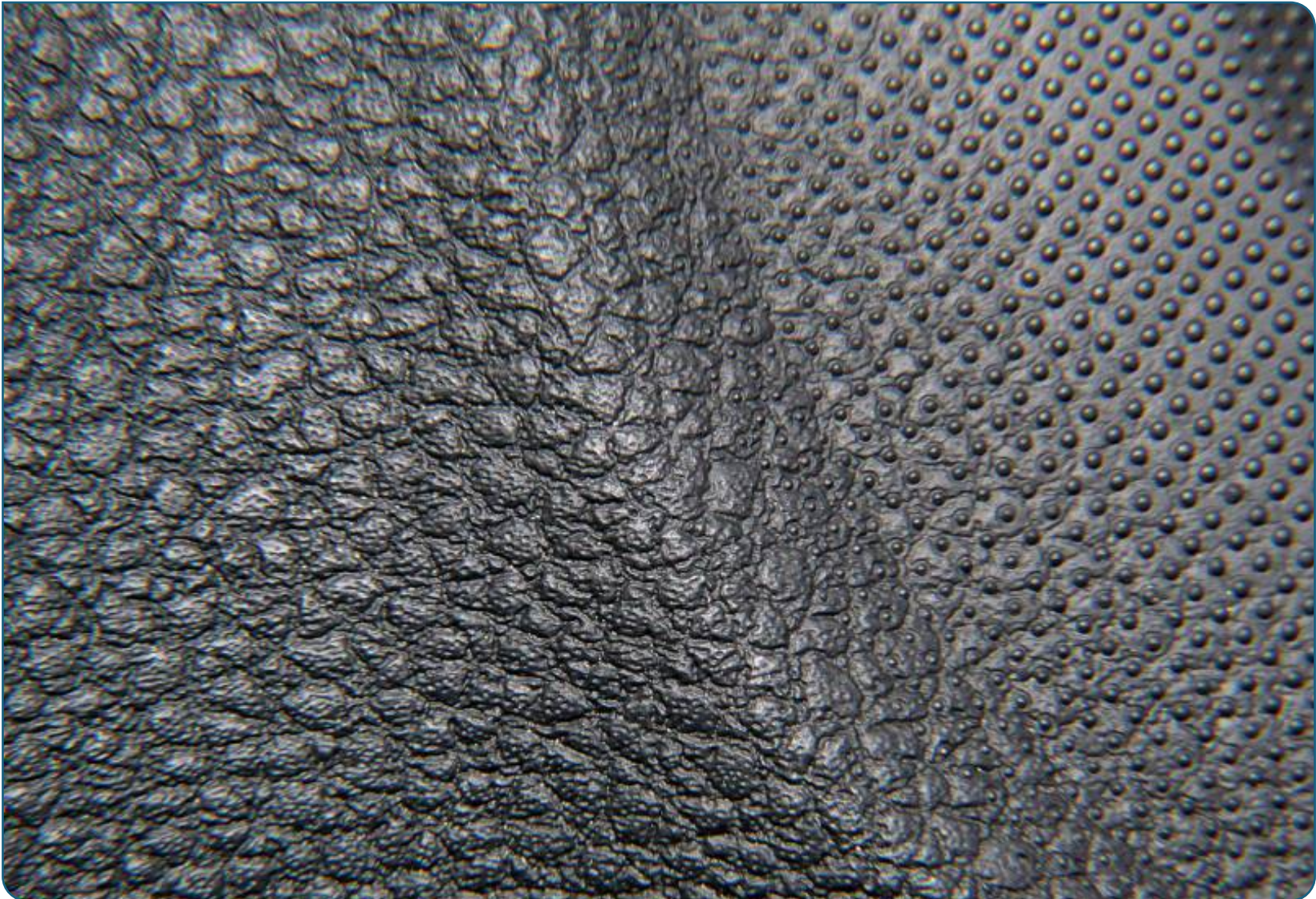
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Offer new possibilities for designers (morphing)



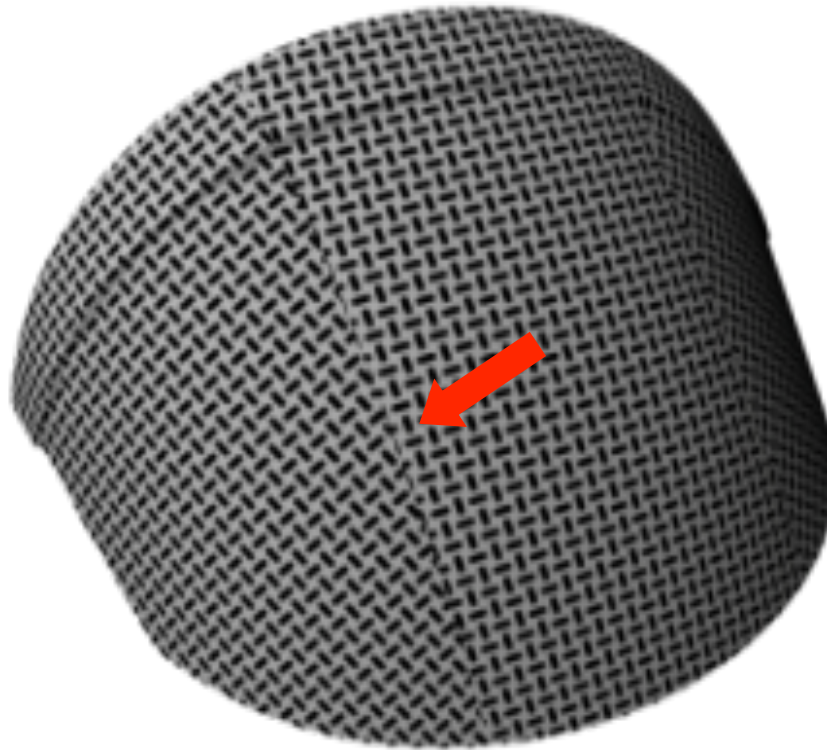
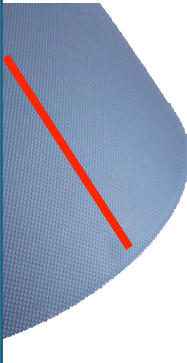
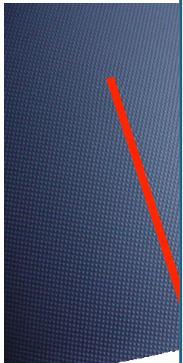
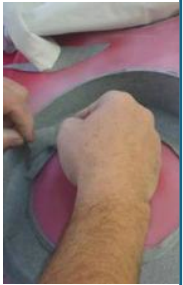
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...applied on an air bag...



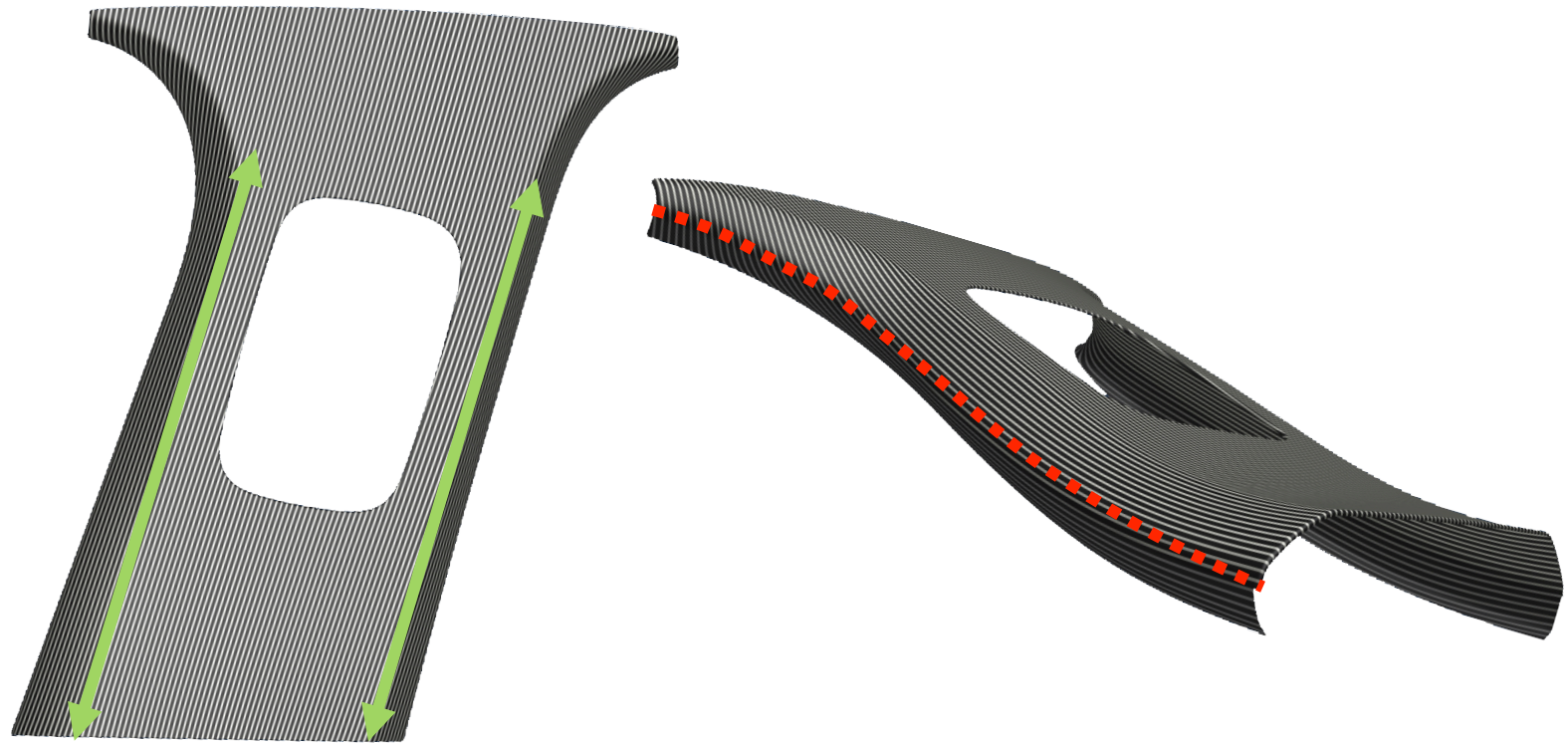
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Not only solving actual problems...



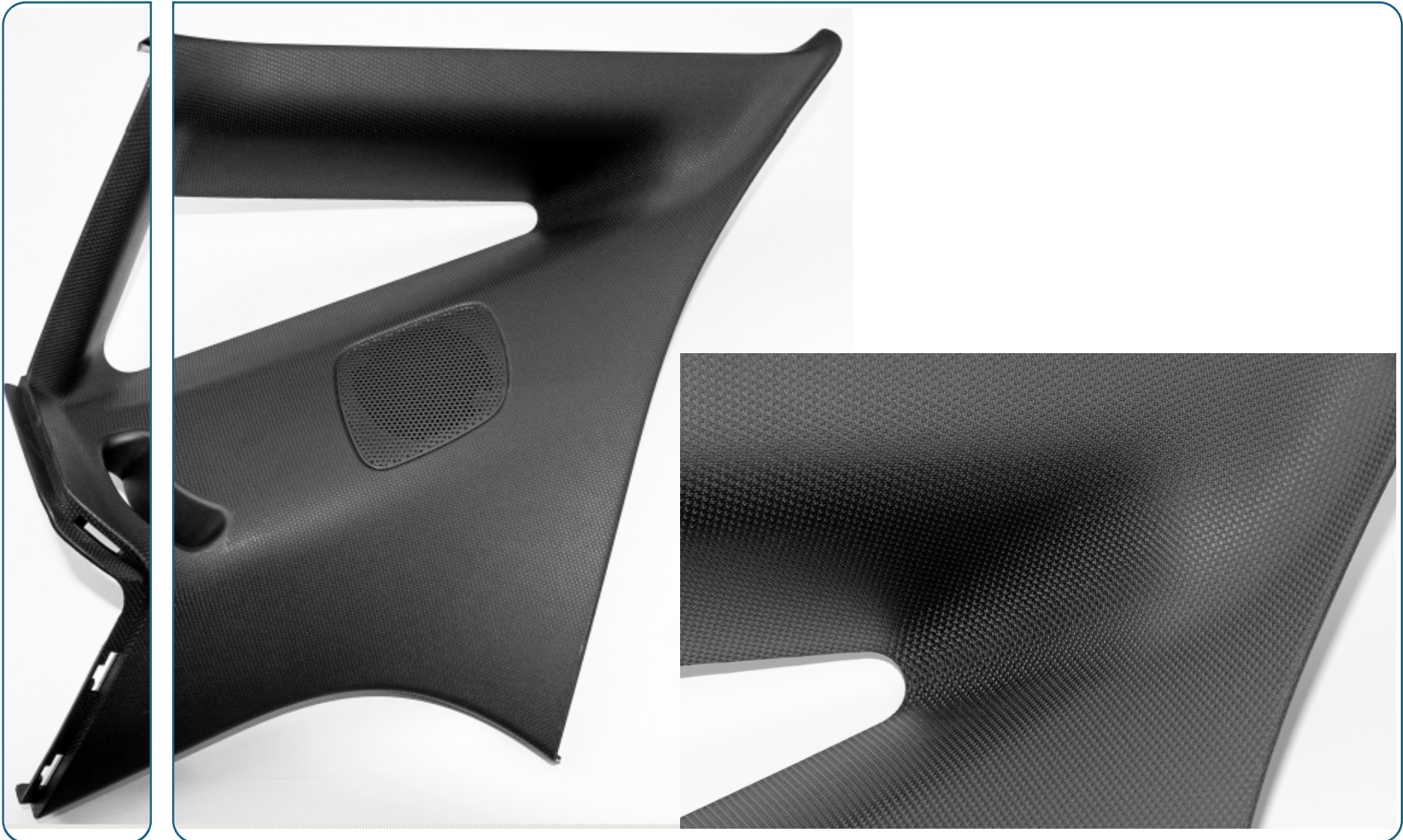
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... but bringing new possibilities ...



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...for geometrical textures...



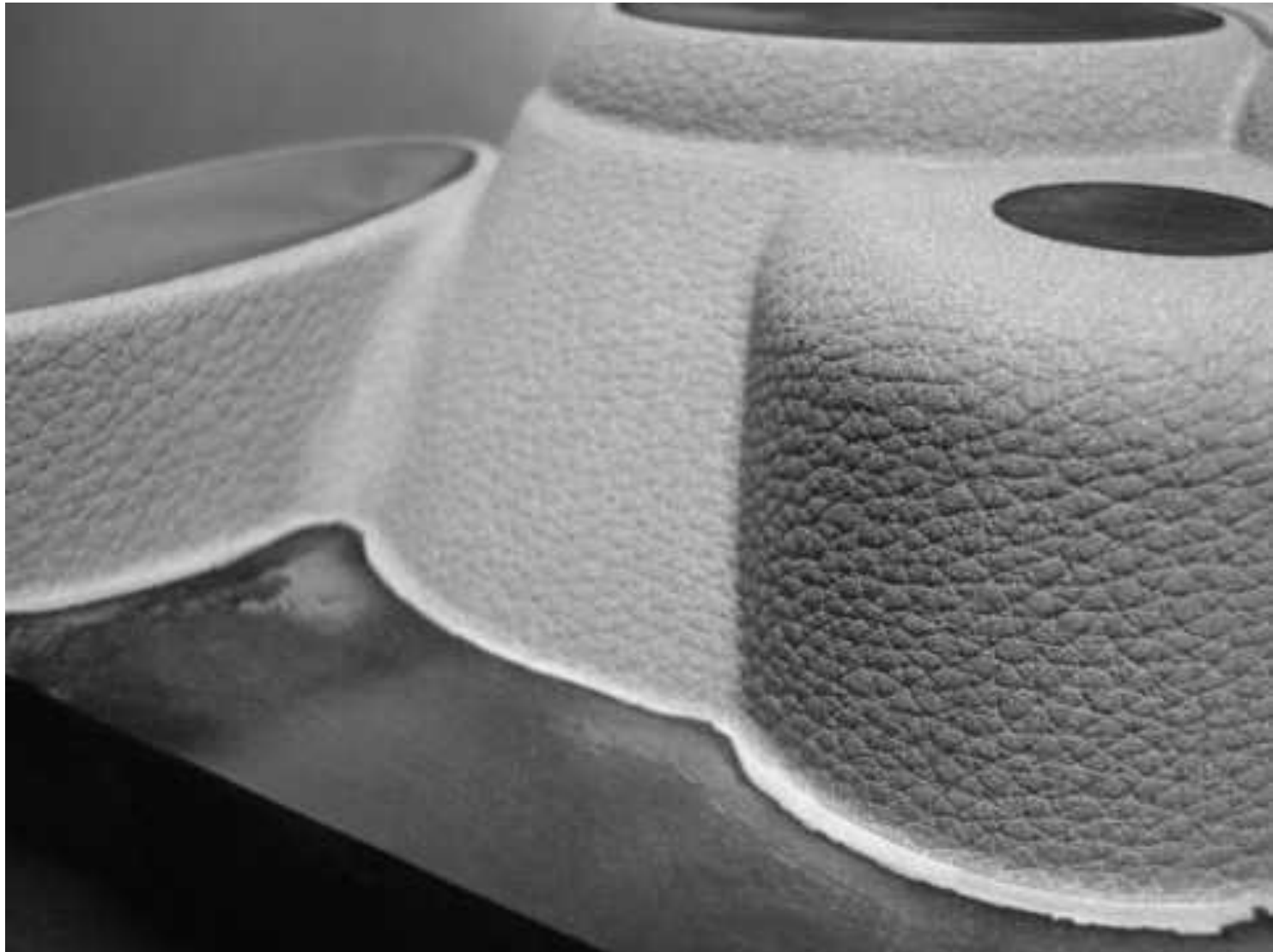
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AND non-geometrical textures...



Special textures (non automotive)



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Free combination without separation groove



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How can we help to decrease - Complexity

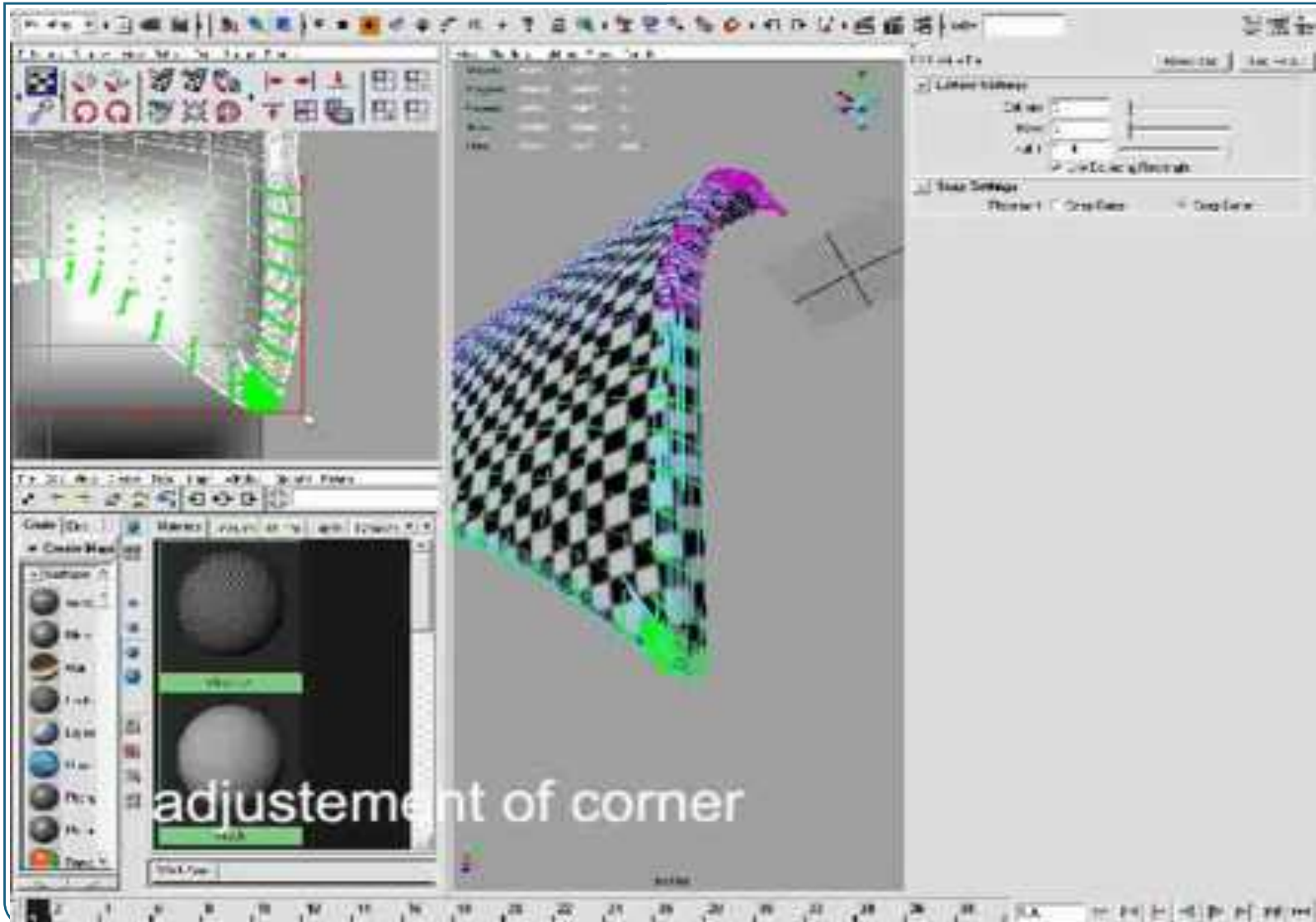


June 13, 2012



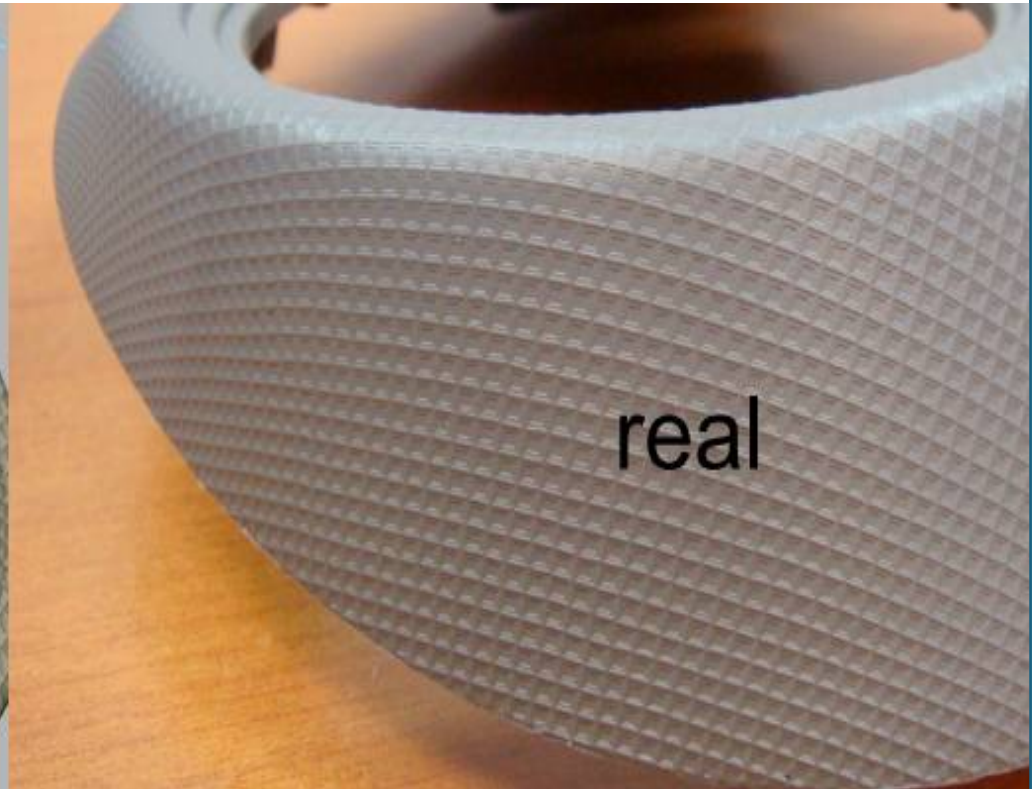
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Slide 16



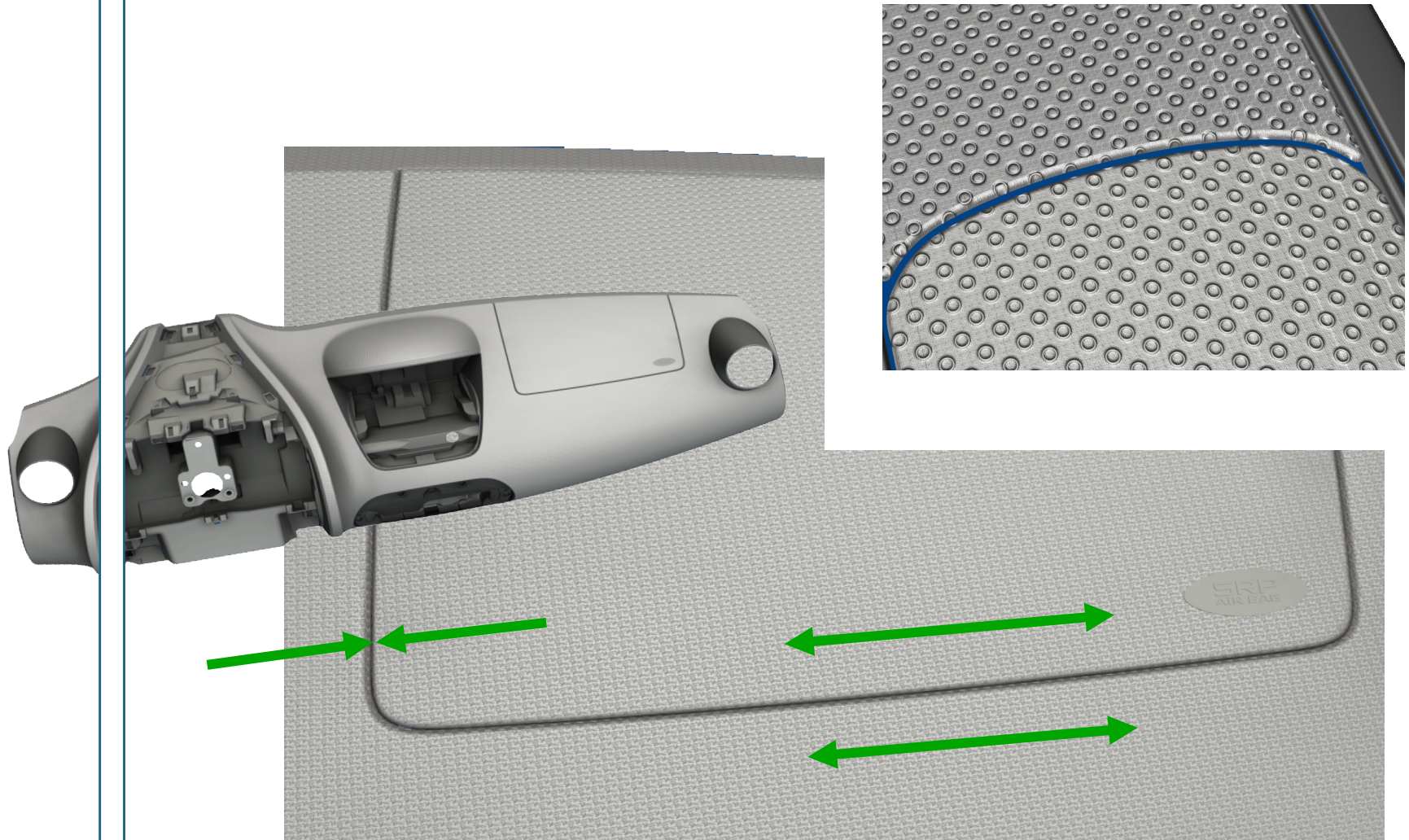
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What you seen is what you get



Securing visual match







Made in Europe



Made in Americas



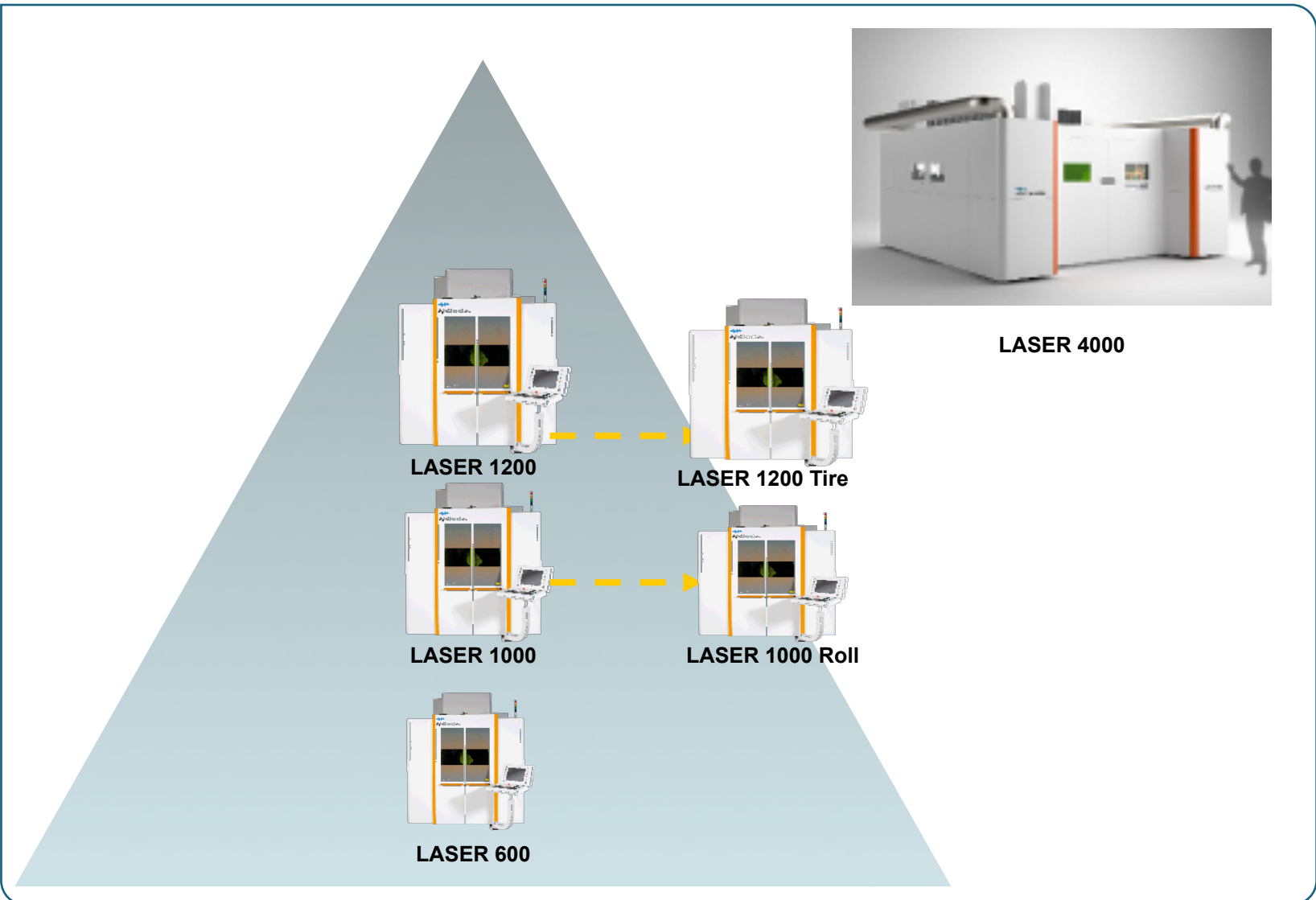
Made in China





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Full pallet of 3-5 axis machines



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...also for very large parts LASER 4000 5Ax



**Non contractual*

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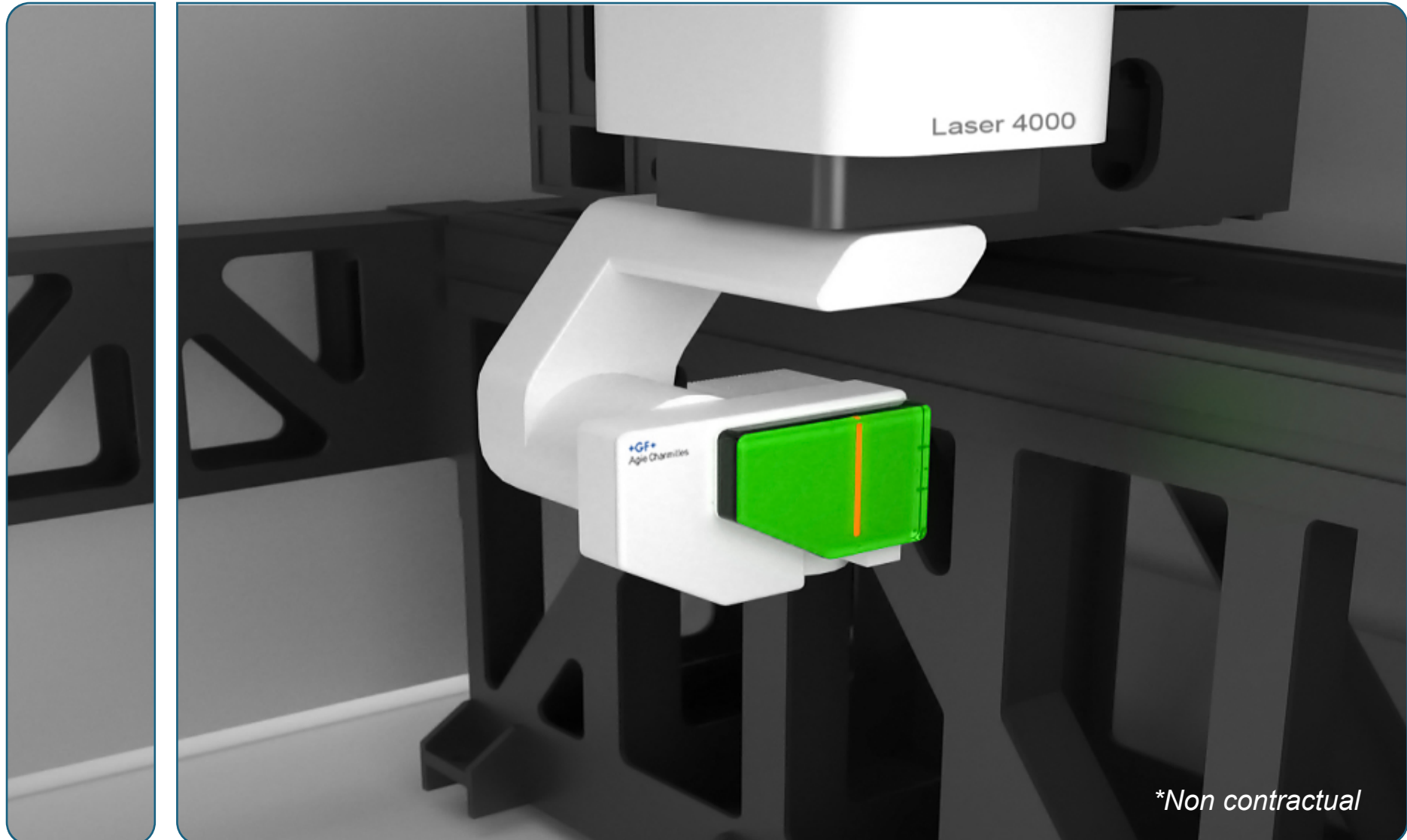
...also for very large parts LASER 4000



**Non contractual*

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...also for very large parts Laser 4000



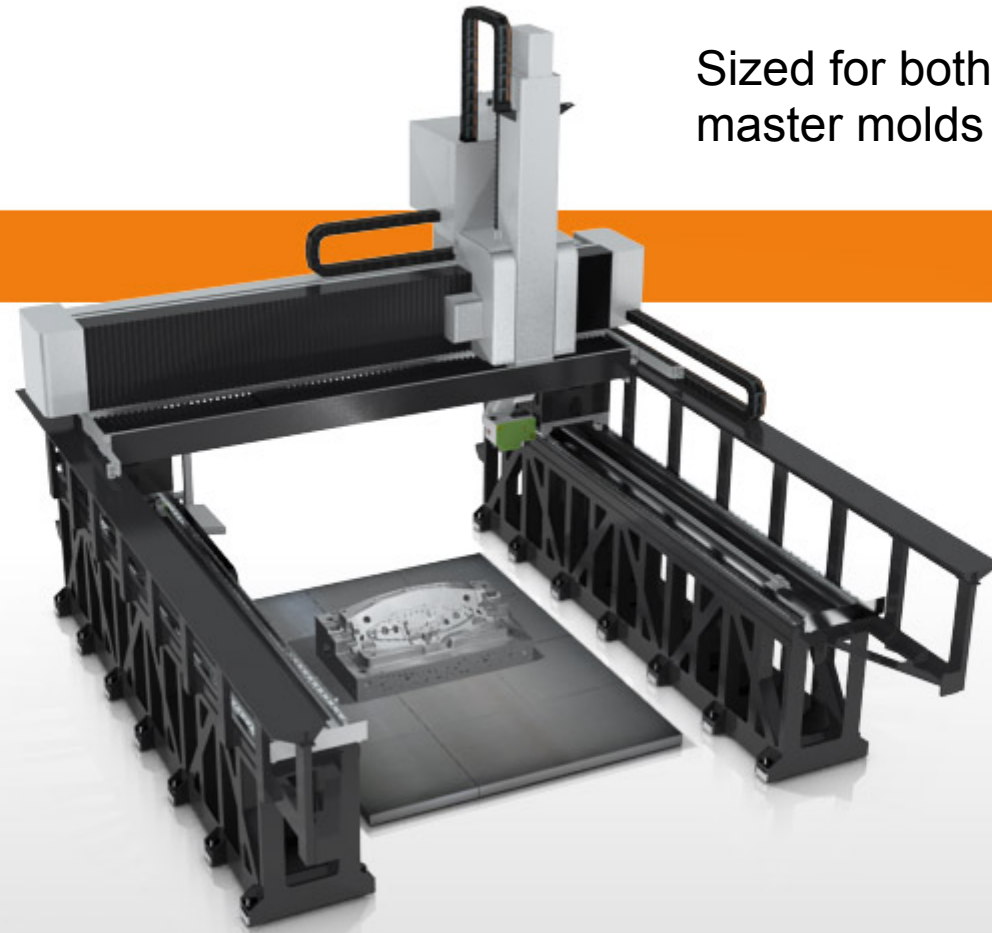
**Non contractual*

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LASER 4000

4000x3000x1500 [mm]

Sized for both molds and
master molds



**Non contractual*

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LASER 4000

Long focal up to 500 [mm]

Able to machine deep
cavities



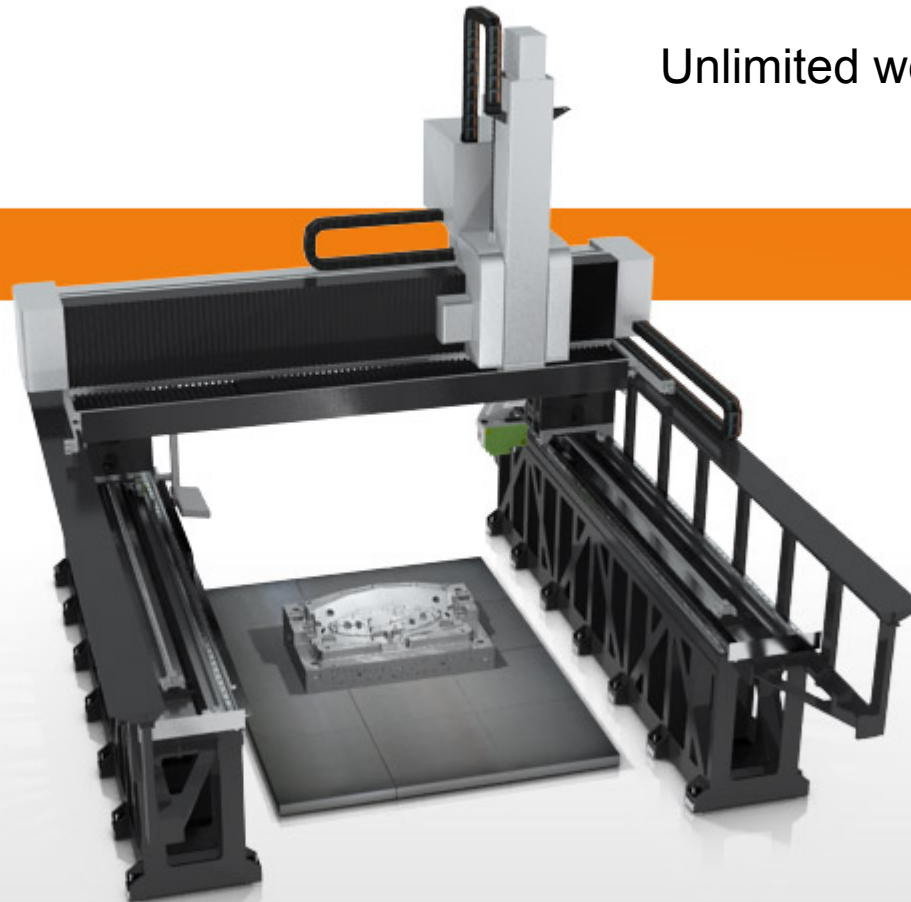
**Non contractual*

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LASER 4000

No table movement

Unlimited weight



**Non contractual*

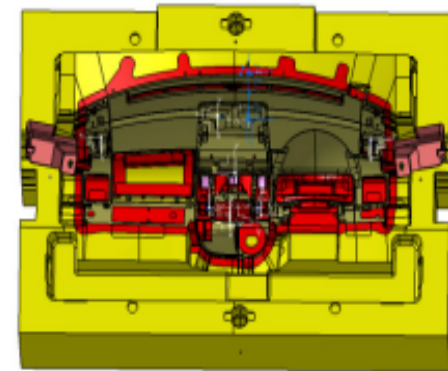
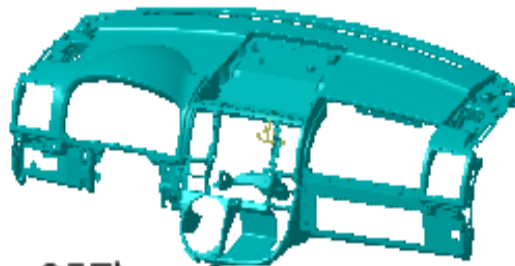
Parts samples

12.900 kg

12.500 cm²

2.210 x 1.400 x (533 - 857) mm³

B = 1.574 mm

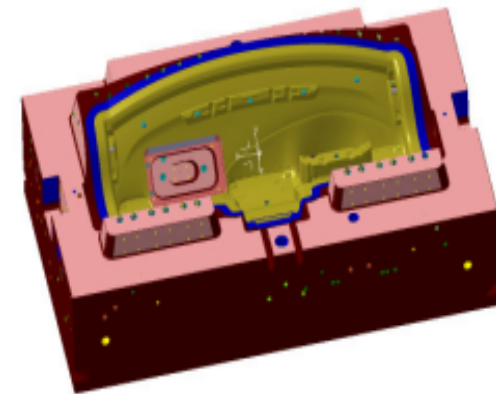


8.400 kg

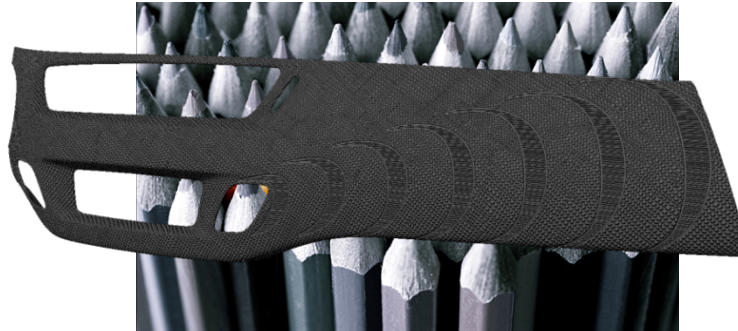
8.950 cm²

2.000 x 1.100 x (527 - 758) mm³

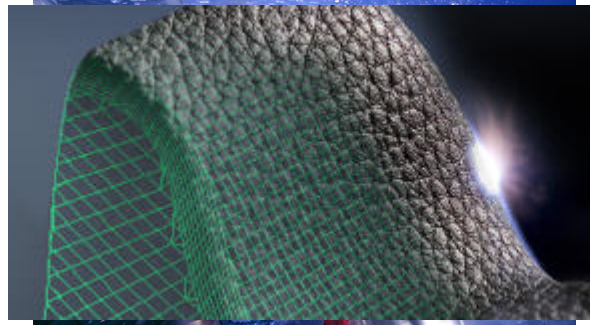
B = 1.367 mm



Summarizing your challenge



- Differentiation



- Complexity



- Global activity

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