

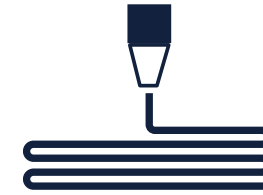
# Talens

Partners for advanced productivity systems

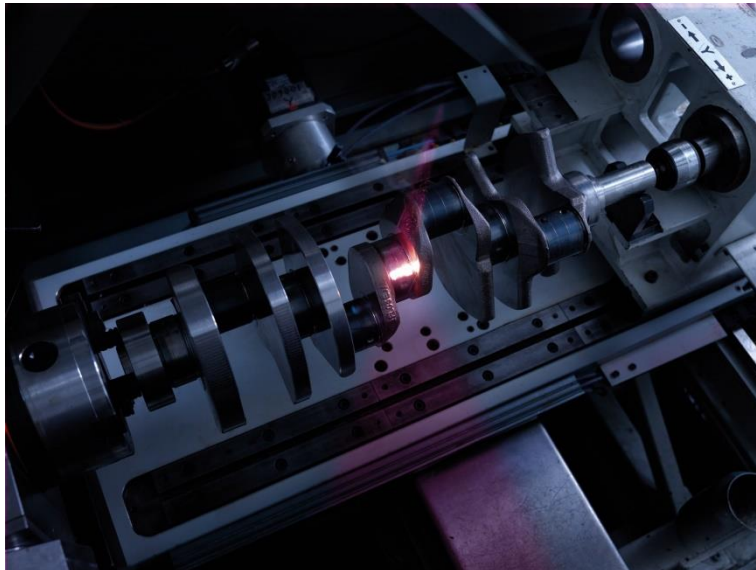
Ibai Sanchez (Sales Manager)  
Talens Systems  
Advanced Laser Manufacturing For Automotive



# Laser Surface Heat Treatment



# Laser Cutting



# Laser Cladding



## Awards

### FORD 2015 Investment Efficiency Award.

XR Crankshaft Laser Hardening Development.

### Jaguar Land Rover 2018.

Innovista Award finalist.

### AKL 2018 Innovation Award.

Laser Technology for RAIO DSS Software.

### Henry Ford Technology Award 2019.

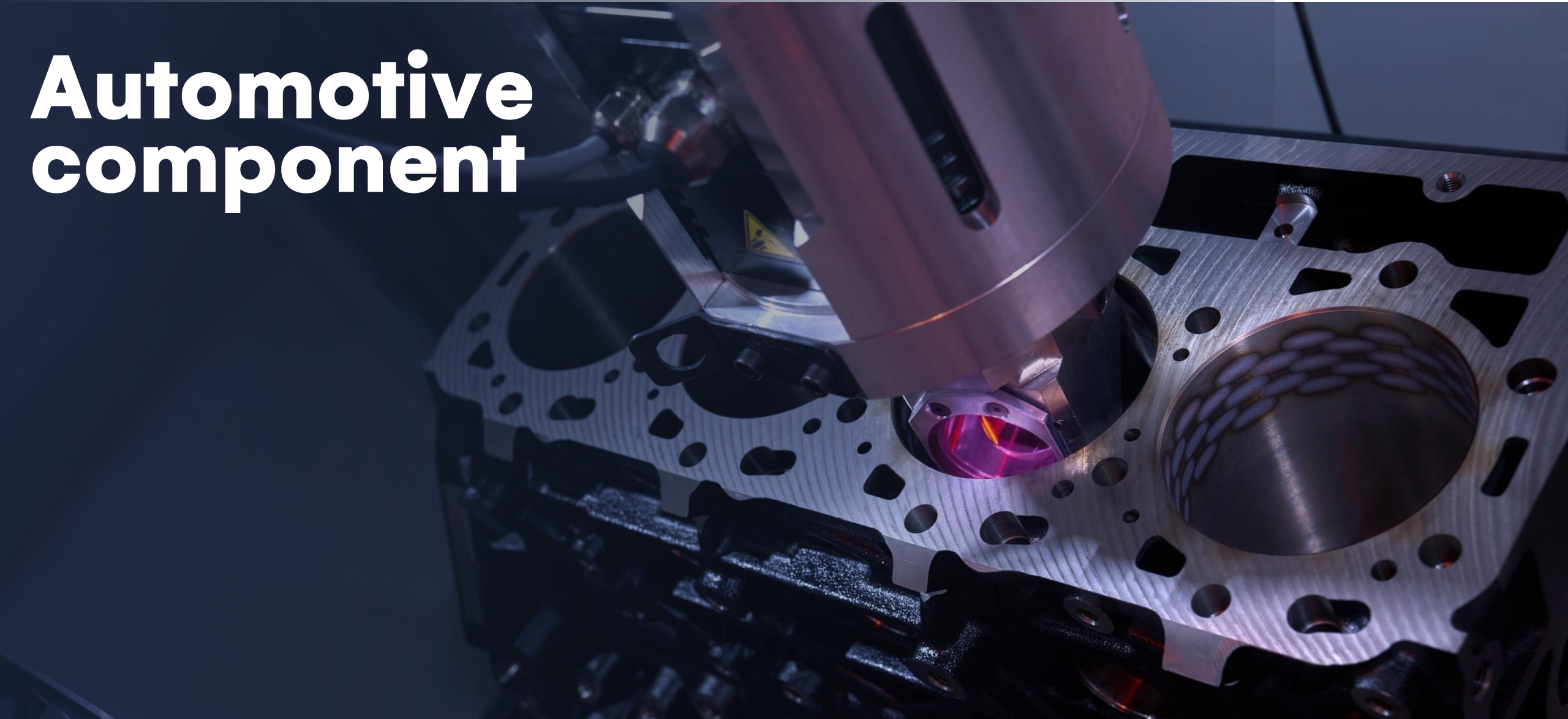
Laser Heat Treatment Process in Crankshaft.



Every year,  
we export  
90% of our  
turnover



# Automotive component



## DSS Technology

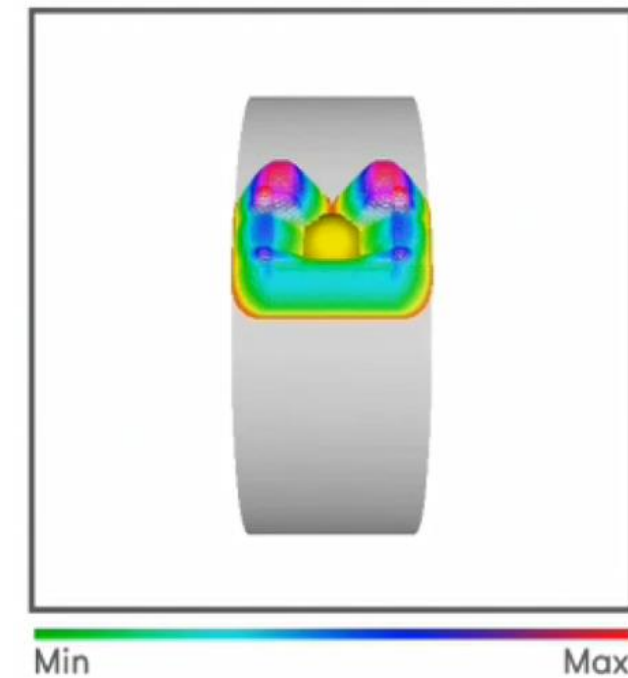
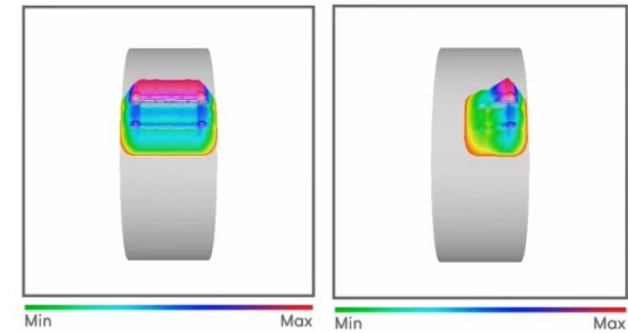
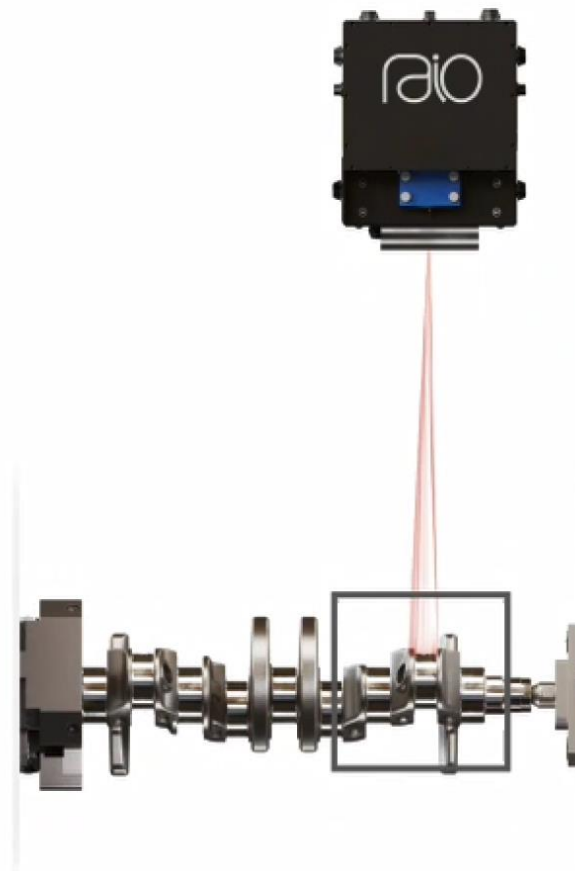
**(Dynamic Spot Shaper)  
control software of laser  
beam developed by and  
proprietary to Talens.**

The width of the hardened area can be modified along the hardening path.

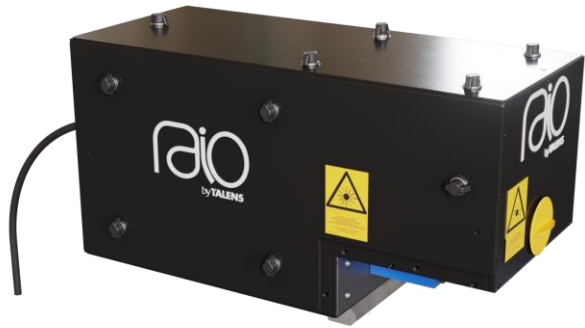
Easily combine shapes and energy distributions to create customized hardened areas.

The energy distribution, with high and low energy areas, are created just with one click.

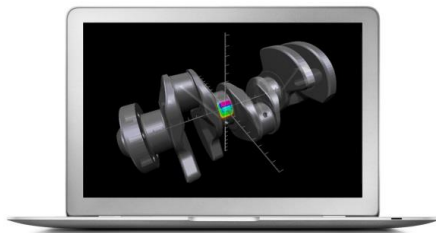
Masking areas or areas where we do not apply energy are generated along the hardening path.



# Laser Technology

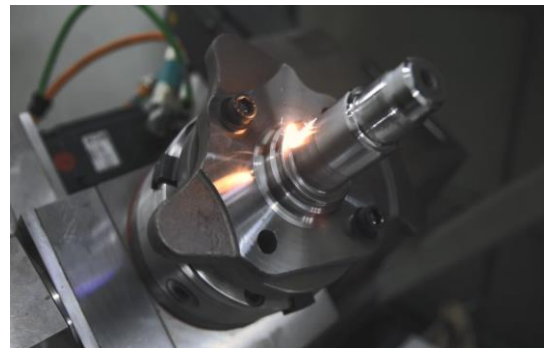
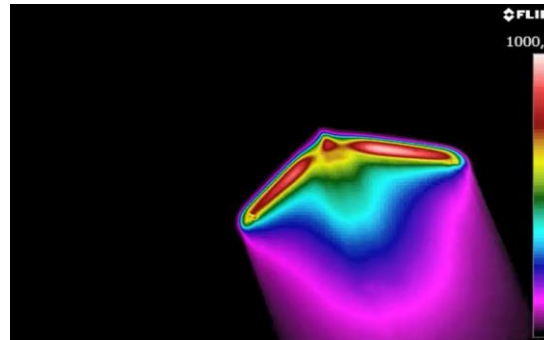
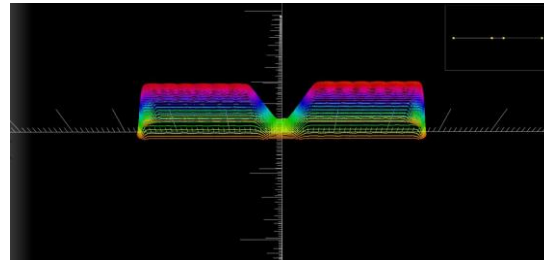


powered by **raio | dss**

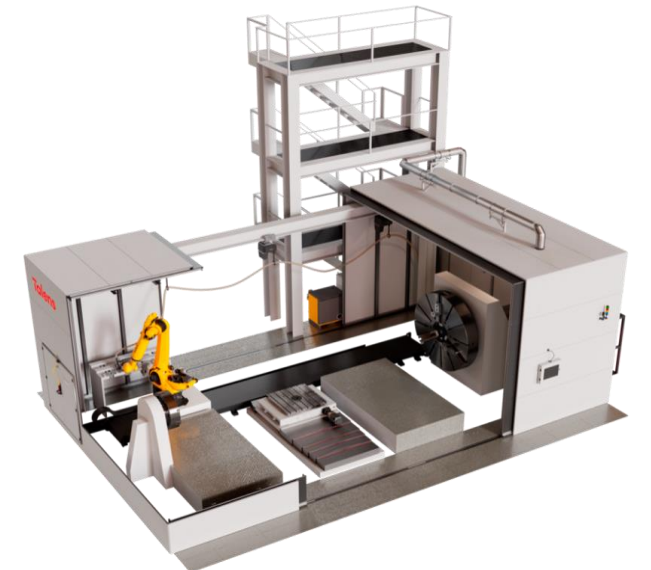


Total control of the scanner by means of the **raio dss** software.

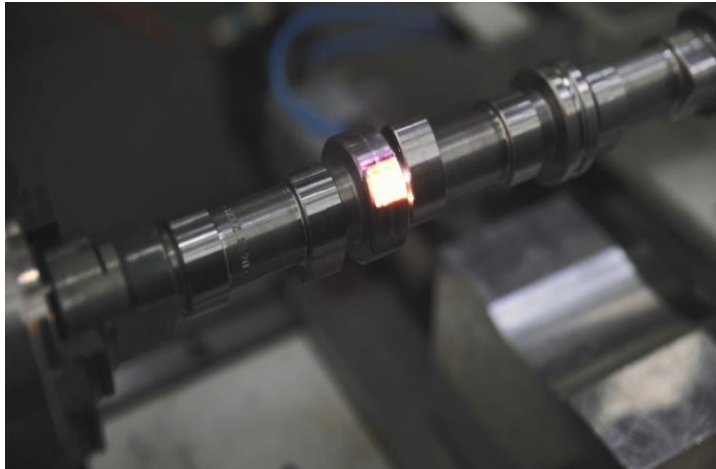
# Laser Prototypes



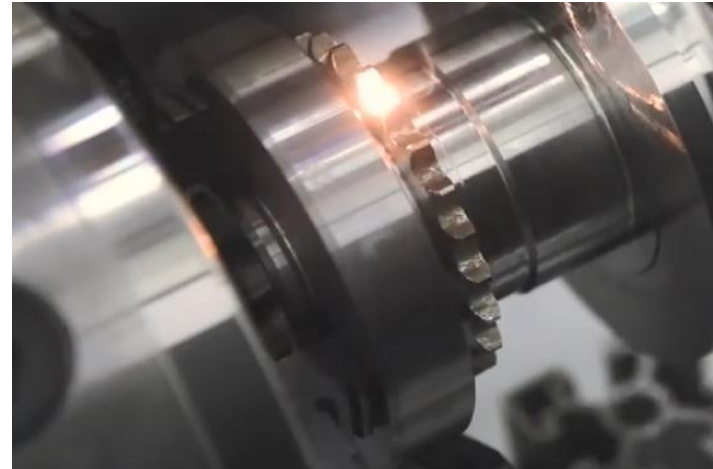
# Laser Solutions



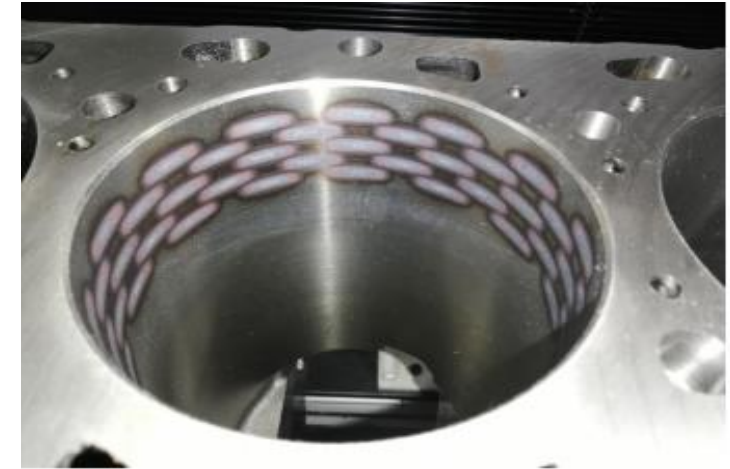
Camshaft



Gear/Sprocket



Cylinder Bore



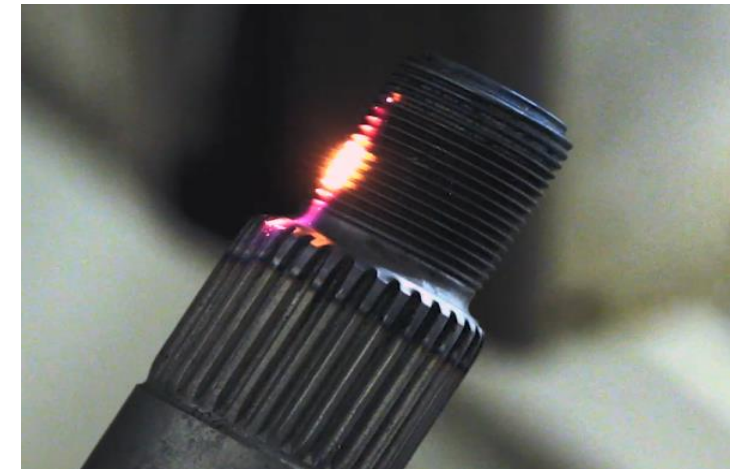
Hook Jaw



Molds/Dies



Shafts



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