

TAVOLA ROTONDA WOMEN IN 3D PRINTING

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Innovation engineer, Streparava S.p.A,



Streparava

ITALY

- Streparava S.p.A. Headquarters
Adro (BS)
- Borroni Powertrain S.r.l.
Saronno (VA)
- SPT S.r.l.
Bazzano Valsamoggia (BO)
- E-Shock
Milano
- Alunext
Sirone (LC), Brescia, Castegnato (BS)

SPAIN

- Streparava Iberica S.l.u.
Valladolid





INDIA

- Streparava India Pvt
Bommasandra, Jigani
Bangalore

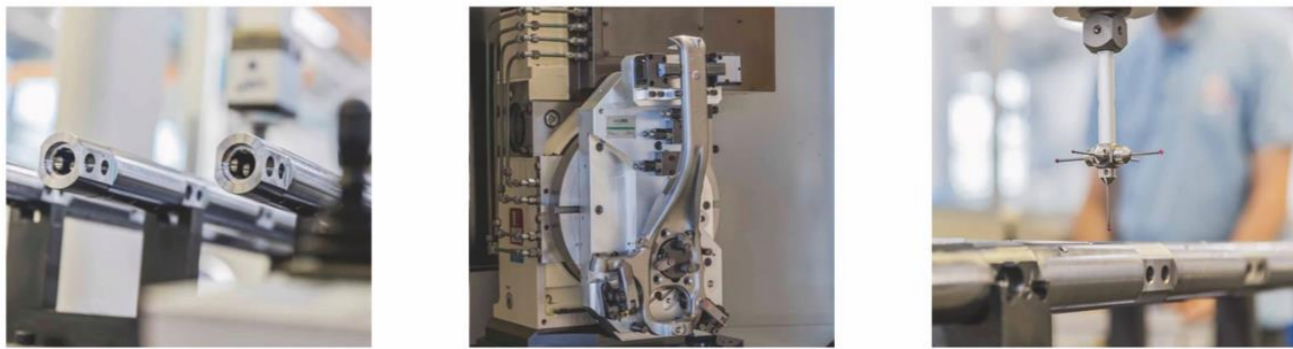
BRAZIL

- Streparava
Componentes
Automotivos Ltda
Sete Lagoas (MG)



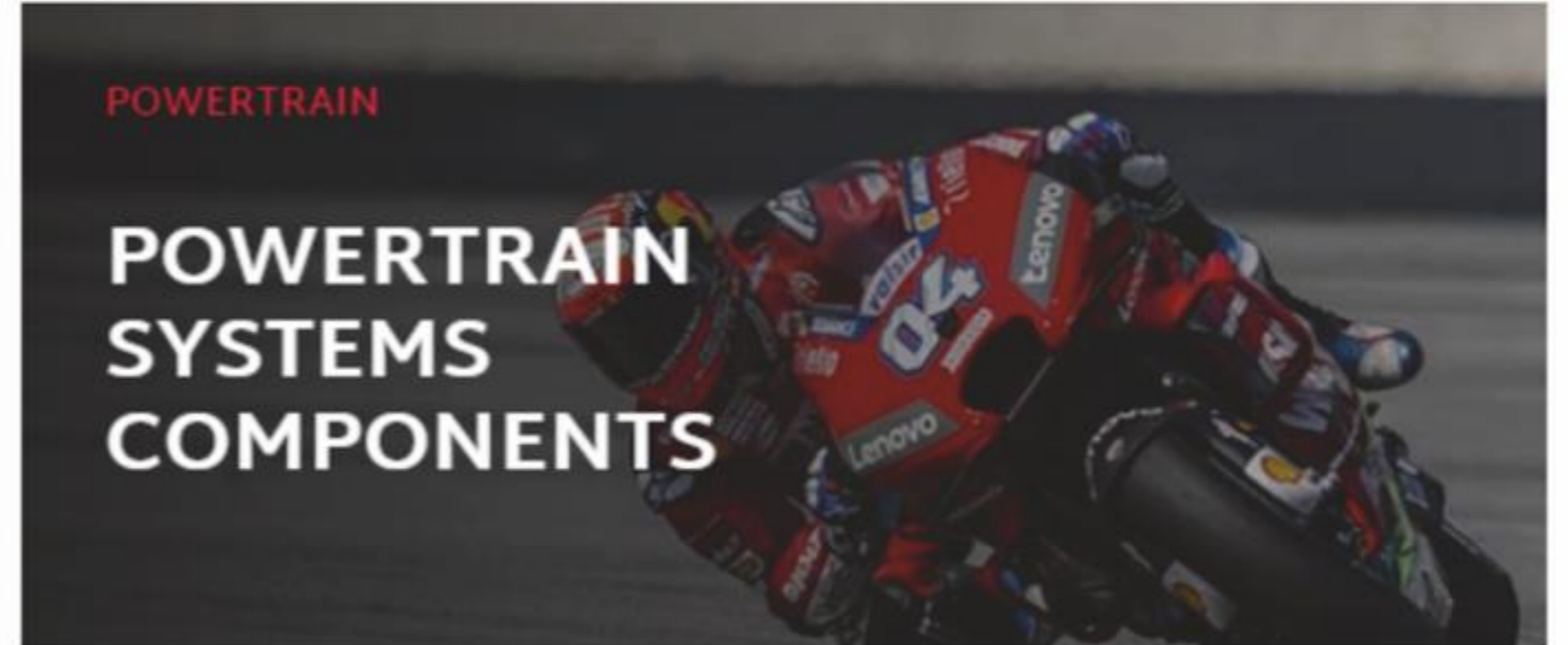
| | |
|--|---|
|  8 PLANTS |  960 EMPLOYEES |
|  WCM 5 WORLD CLASS MANUFACTURING SINCE 2012 |  More Than 2,000 ENGINES PER DAY EQUIPPED with our components |
|  More Than 2,000,000 POWERTRAIN COMPONENTS produced SINCE 1996 |  More Than 3,000,000 INDEPENDENT FRONT SUSPENSION PRODUCED SINCE 1978 |

Flexibility, smart approach, supplier partnership, competitiveness, time to market, execution to cover from single components to niche markets to mass production



Technical Partner

Products



Chi sono

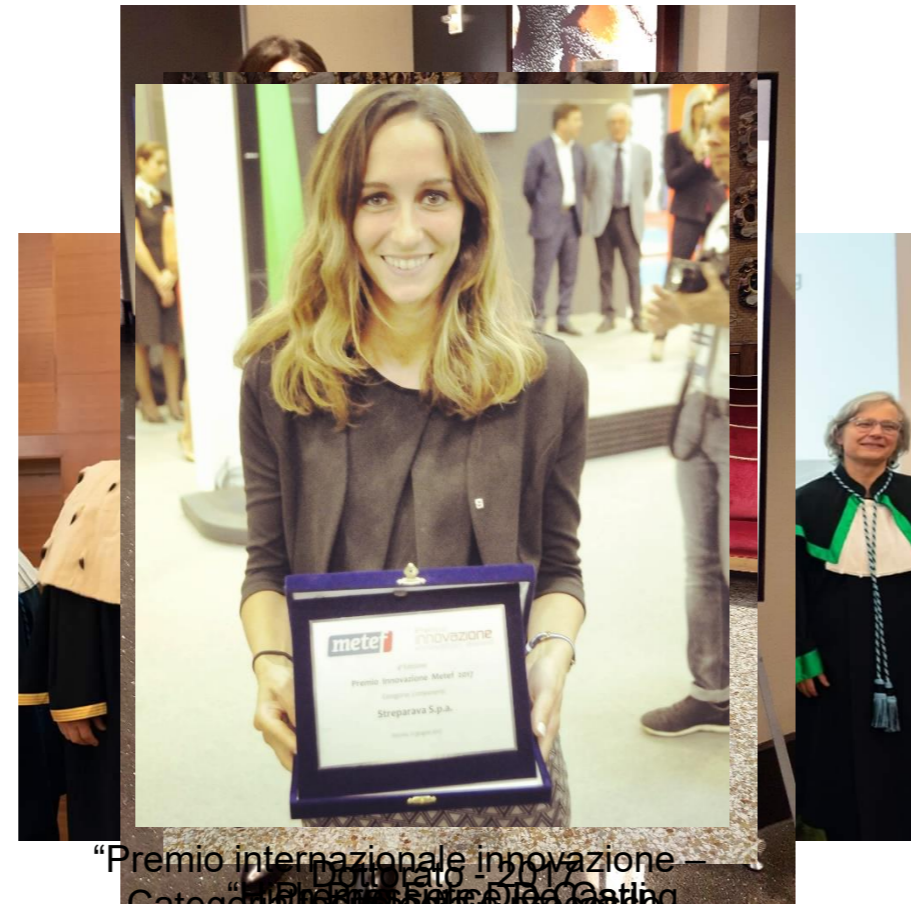
2012 – Laurea magistrale in ingegneria meccanica dei materiali @UniBs

01/2013-04/2014 – Assegnista di ricerca gruppo di metallurgia @UniBs

04/2014 - oggi – Innovation engineer @Streparava

11/2014 – 11/2017 PhD @UniBs - Optimization of materials and technologies for lightweighting of structural parts for automotive application

12/2017-oggi – Collaboratore esterno gruppo di metallurgia UniBs

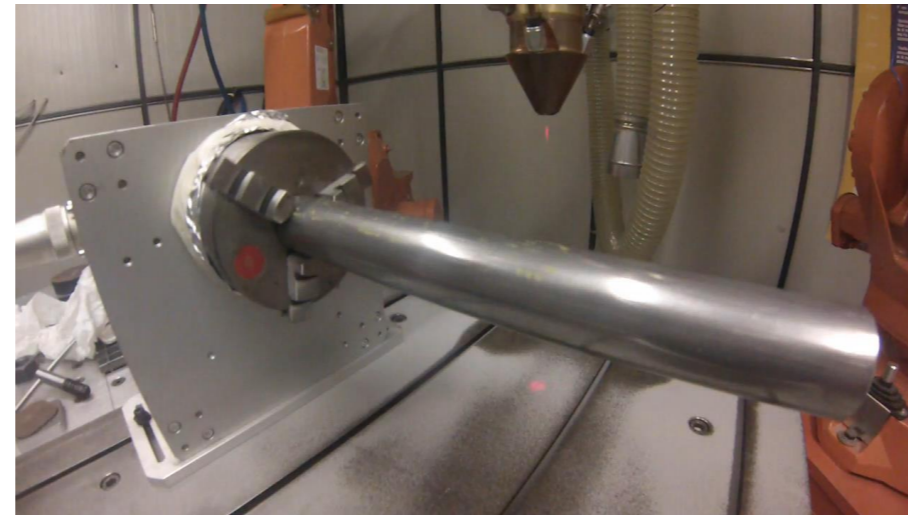


“Premio internazionale innovazione –
Categoria tecnologia e processo
miglioramento di processo”
Assoitaliana
Metallurgia”
2016

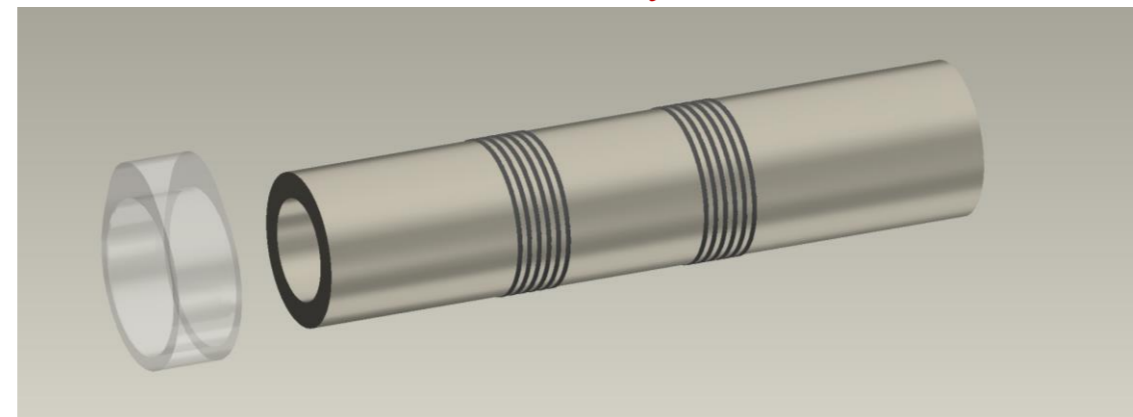
Additive Manufacturing

2015 -2018 – Application of Laser Metal Deposition for the conception of a new model of assembled camshaft

Deposition of Additive Manufacturing profile on the shaft



Connection with cams by interference



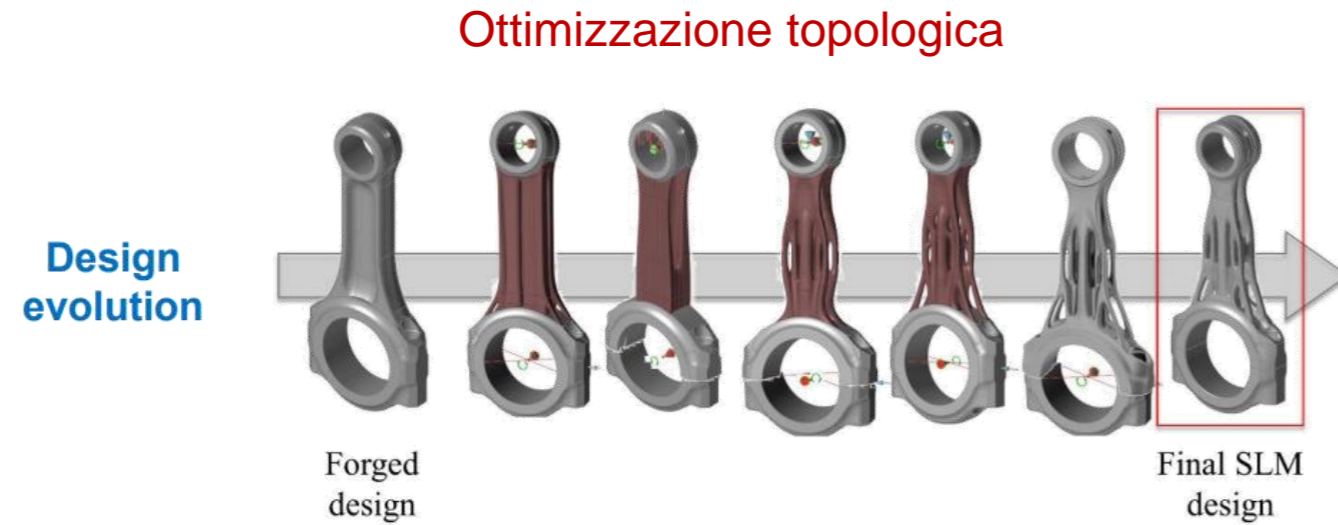
In
collaboration
with
AddMe.Lab



S. Cecchel, D. Ferrario, C. Mondini, M. Montani, B. Previtali,
Application of Laser Metal Deposition for a new model of
assembled camshaft, Journal of Materials Engineering and
Performance, 2019, <https://doi.org/10.1007/s11665-019-04504-2>

Additive Manufacturing

2018 – ad oggi – Connecting Rod weight reduction with SLMed titanium alloys



In collaborazione con:



UNIVERSITÀ
DEGLI STUDI
DI BRESCIA



SAPIENZA
UNIVERSITÀ DI ROMA



UNIVERSITÀ DEGLI STUDI
DI SALERNO

Caratterizzazione meccanica-microstrutturale per ottimizzazione di processo e prodotto



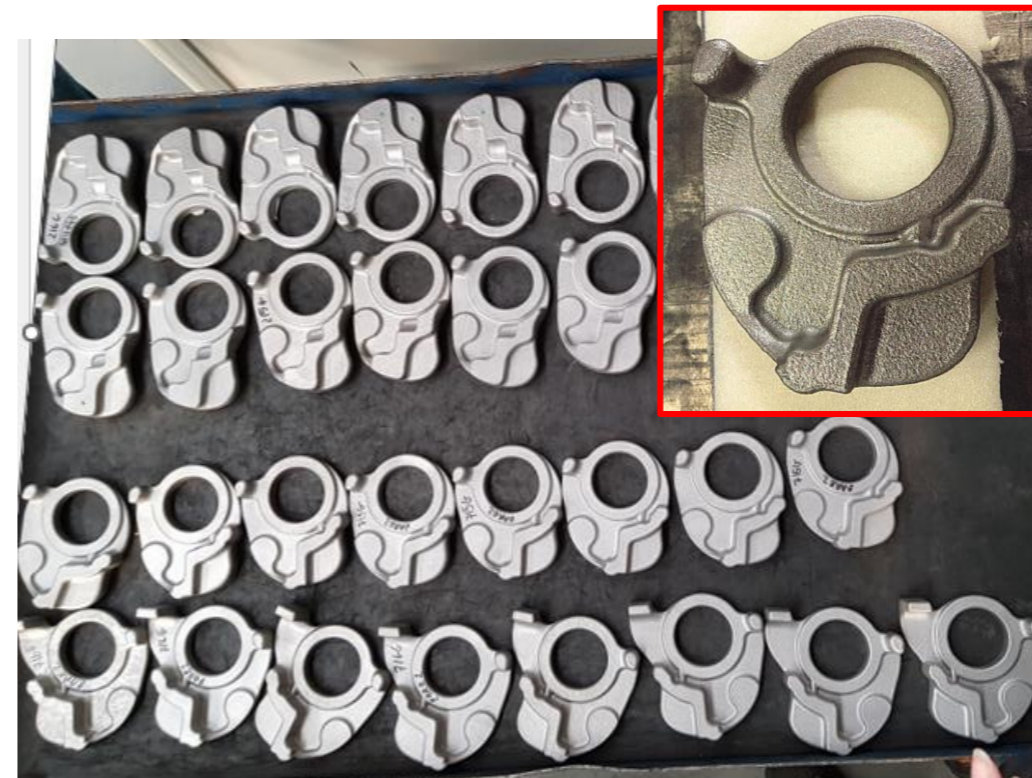
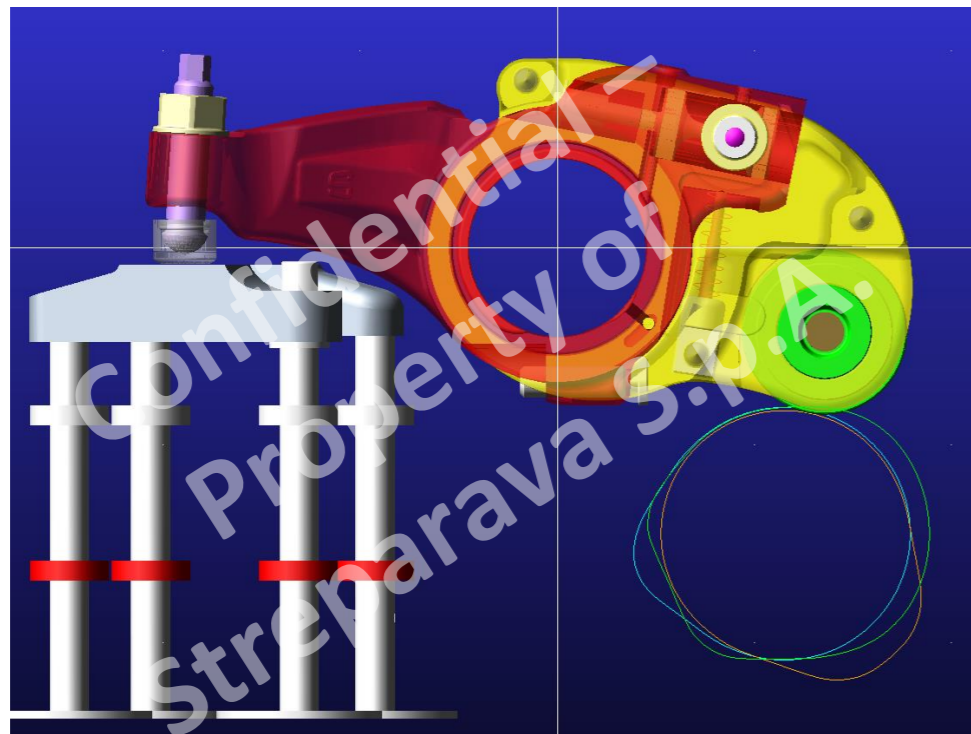
5 years of research

<https://doi.org/10.1002/adem.202000359>
<https://doi.org/10.1002/adem.202100036>
<https://doi.org/10.1002/adem.202200082>
<https://doi.org/10.1016/j.prostr.2022.05.037>
<https://doi.org/10.1016/j.ijfatigue.2022.107134>

Additive Manufacturing

2020 – ad oggi – Applicazioni additive per prototipi strutturali

Parte di un bilanciere motore



GRAZIE
PER L'ATTENZIONE



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