

PIEMONTE



THE BEST OF  
MADE IN ITALY



**TORINO PIEMONTE**  
**Aerospa**  
*We know how*

**MECCANICA**  
**Bpr**  
*s.n.c.*



UNIONCAMERE

TORINO  
CHAMBER OF COMMERCE  
INDUSTRY CRAFTS AND AGRICULTURE



REGIONE  
PIEMONTE

Initiative co- financed by the Development and Cohesion Fund

[www.regione.piemonte.it/fsc/internazionalizzazione](http://www.regione.piemonte.it/fsc/internazionalizzazione)

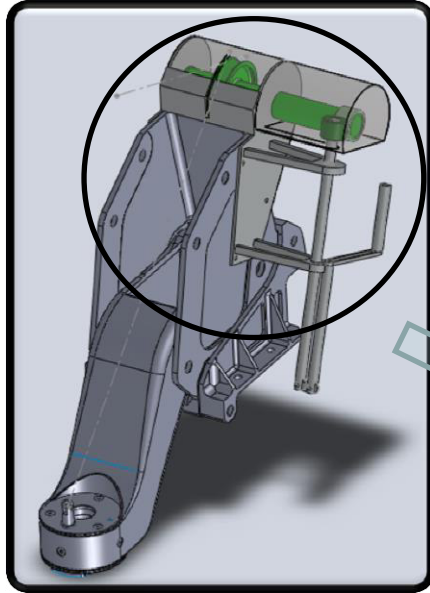


THE “BUY & FORGET” COMPANY

# ADDITIVE MANUFACTURING

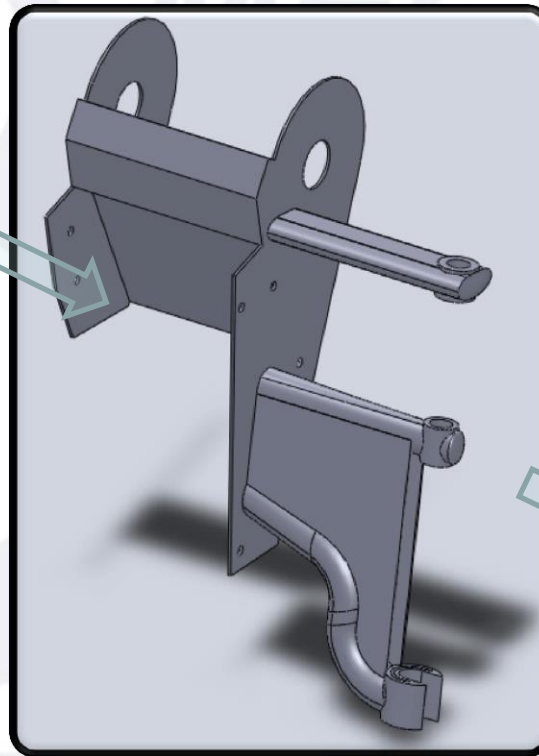
IN COOPERATION WITH AVIOPROP

ORIGINAL IDEA

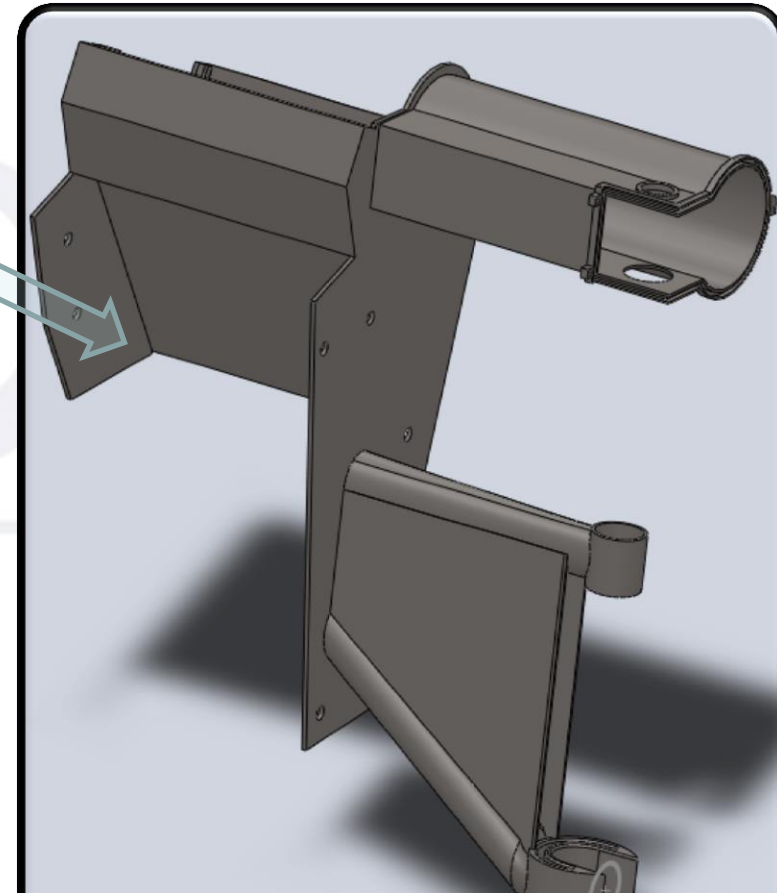


# ADDITIVE THINKING – PROCESS FLOW

FIRST CONCEPT

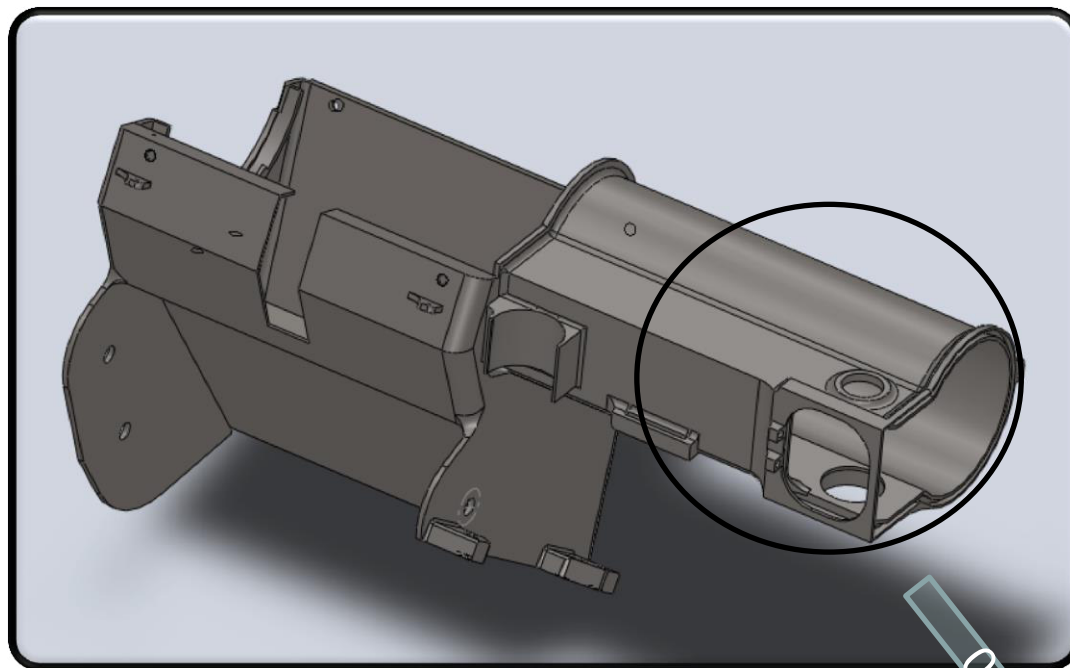


**THINK ADDITIVE !!!**



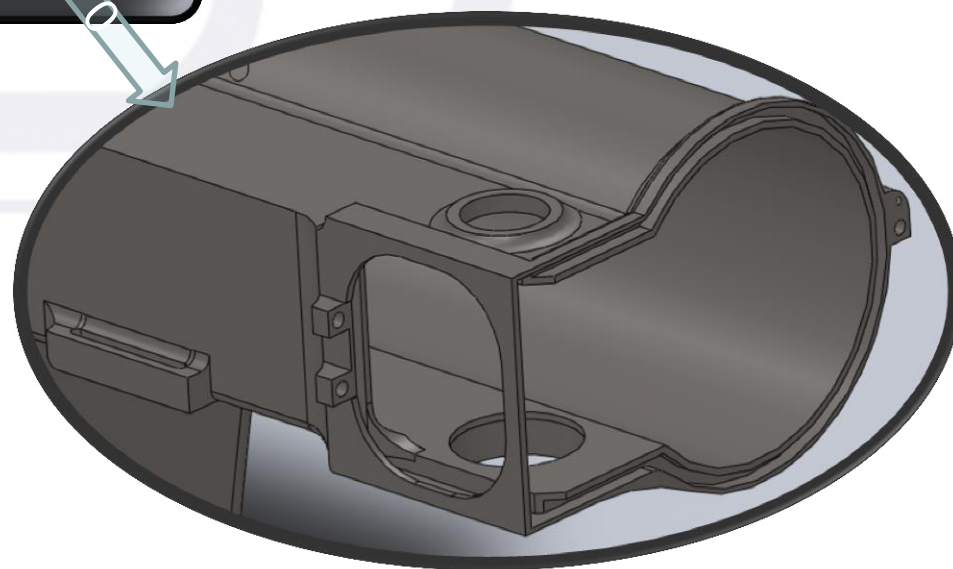
IN ORDER TO GET BEST RESULTS YOU  
SHOULD START **THINKING ADDITIVE**  
FROM THE BEGINNING

# FINAL FUNCTIONAL MODEL



## INTEGRATION OF DETAILS

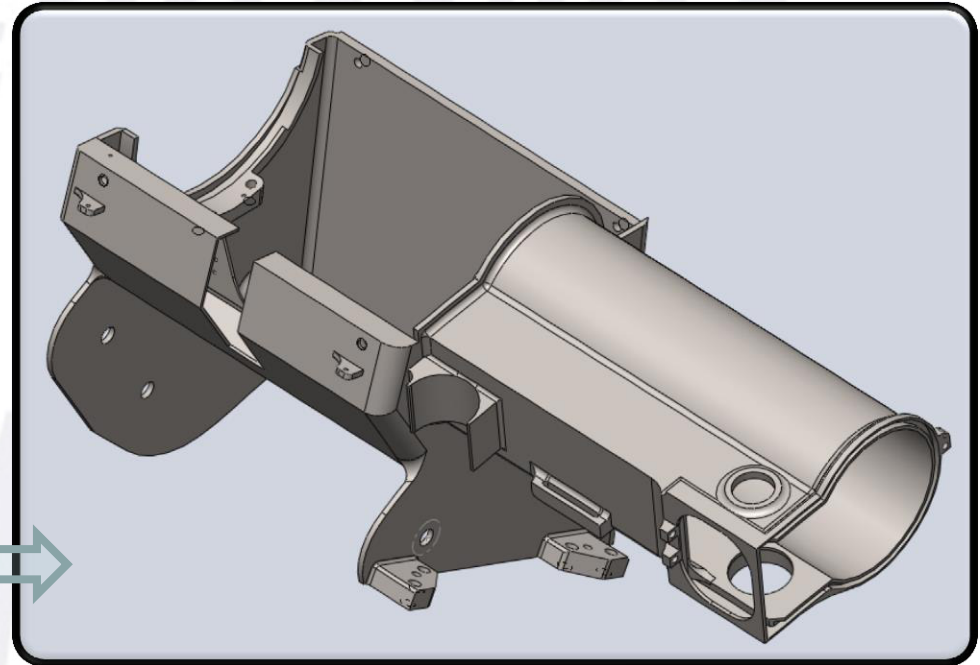
- PREHOLES
- SAFETY WIRE FIXING HOLES
- CABLE FITTINGS
- RIBS



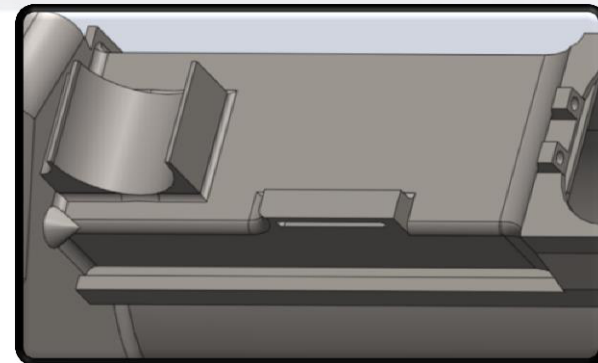
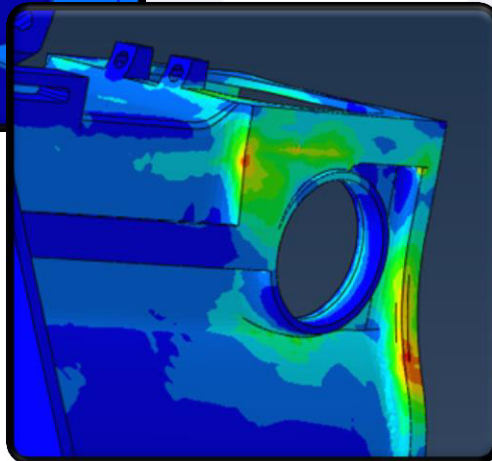
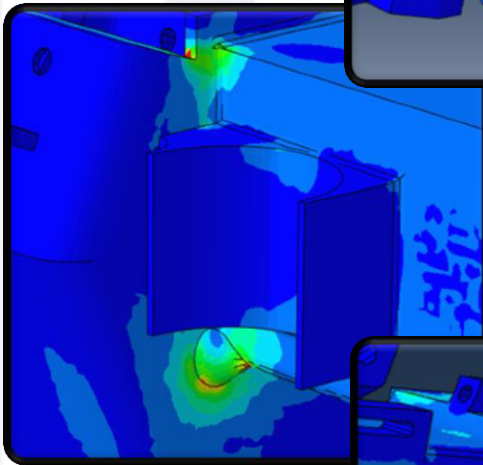
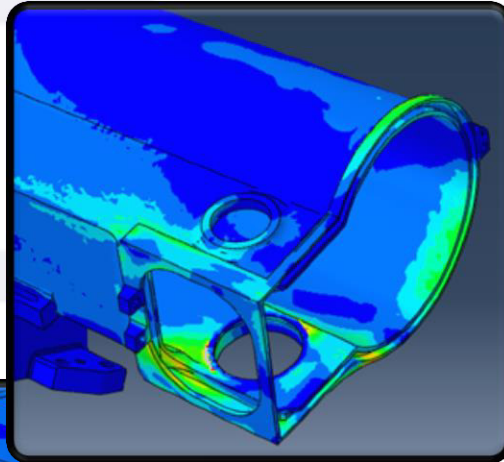


# FINITE ELEMENT MODELLING OPTIMIZATION

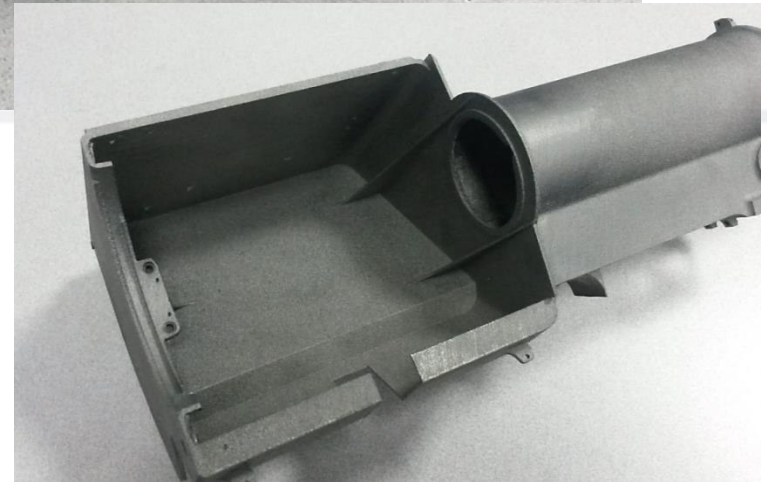
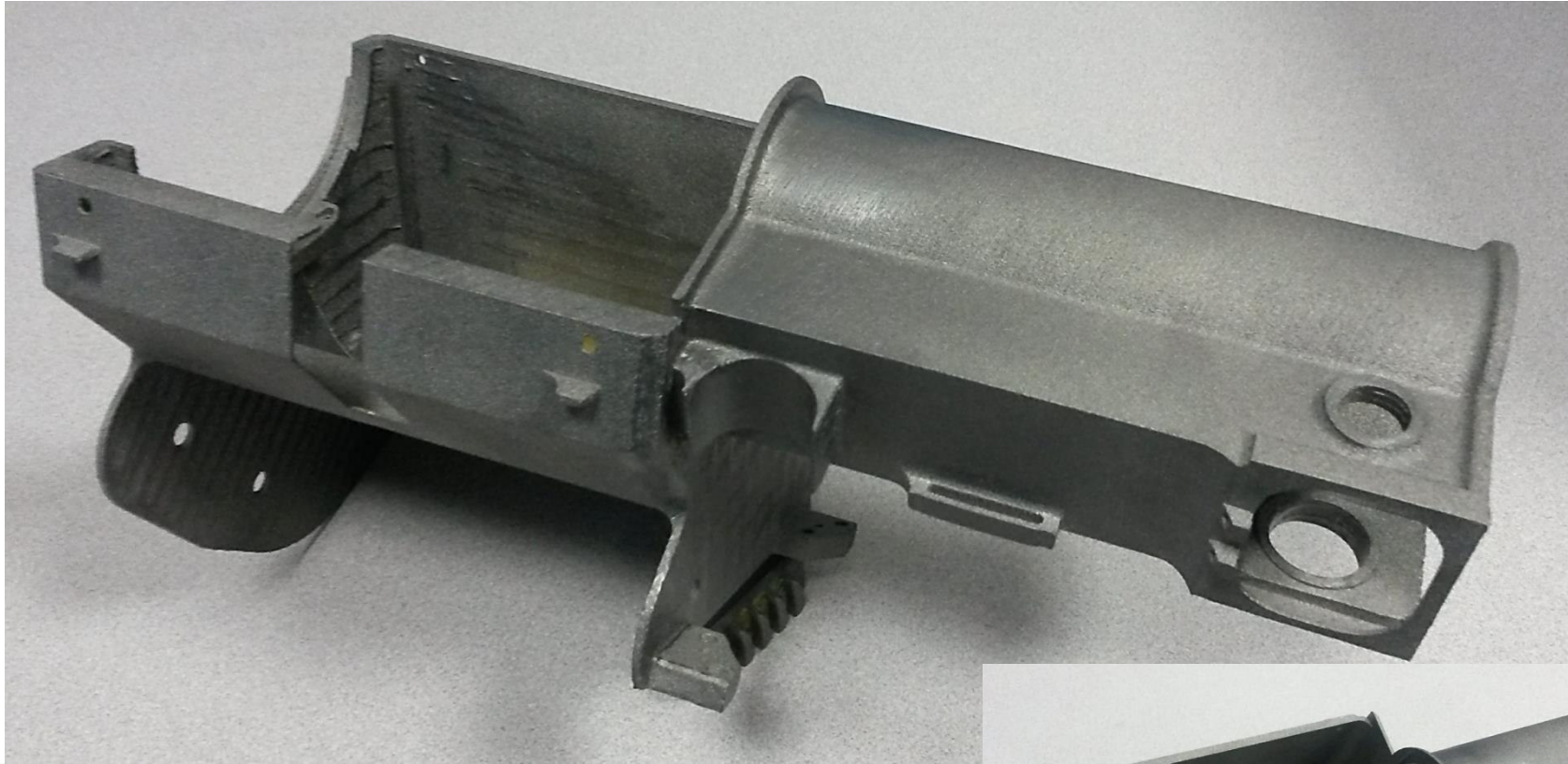
FINAL 3D MODEL



MATERIAL ADDED **ONLY** WHERE NEEDED



# THE PART - JUST MANUFACTURED !

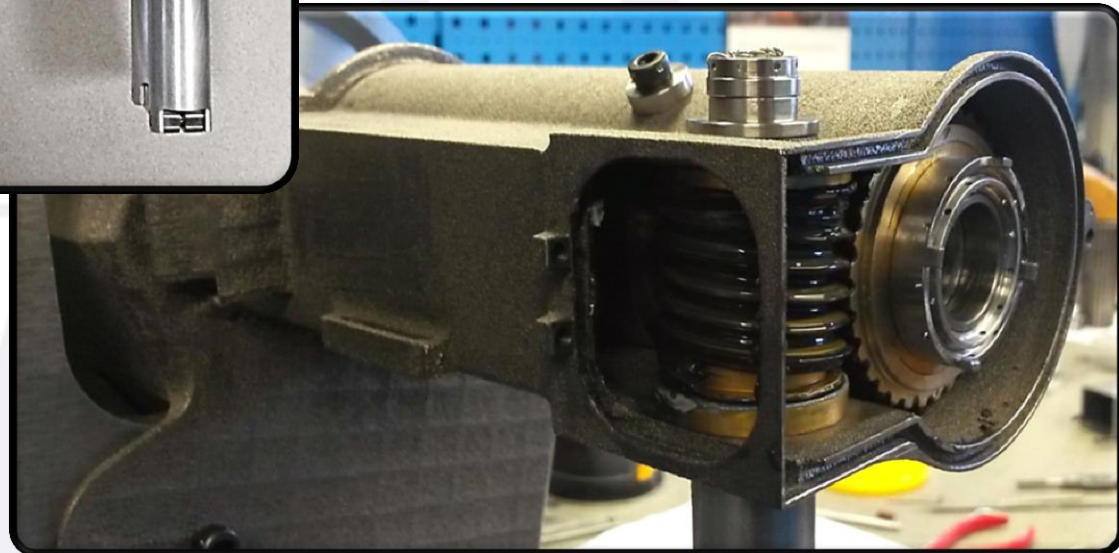
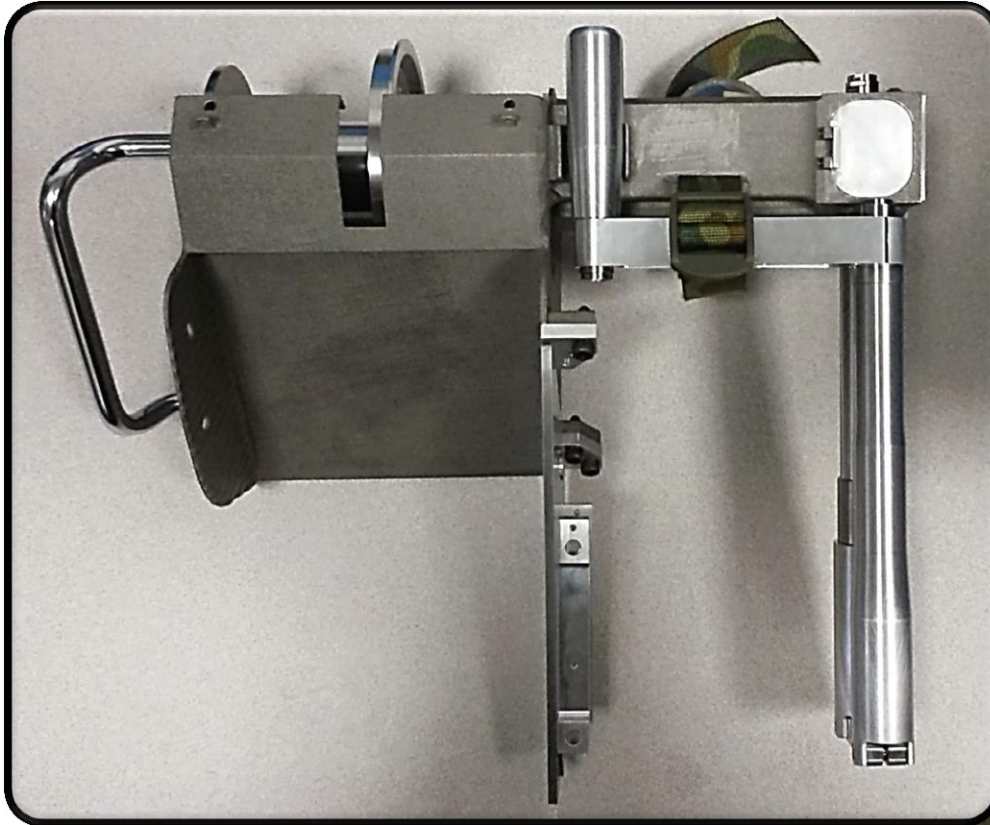




# THE PART – MACHINING and DIMENSIONAL CONTROL



# THE PART ASSEMBLED





MECCANICA

# THANK YOU!

s.n.c.

## CONTACTS:

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