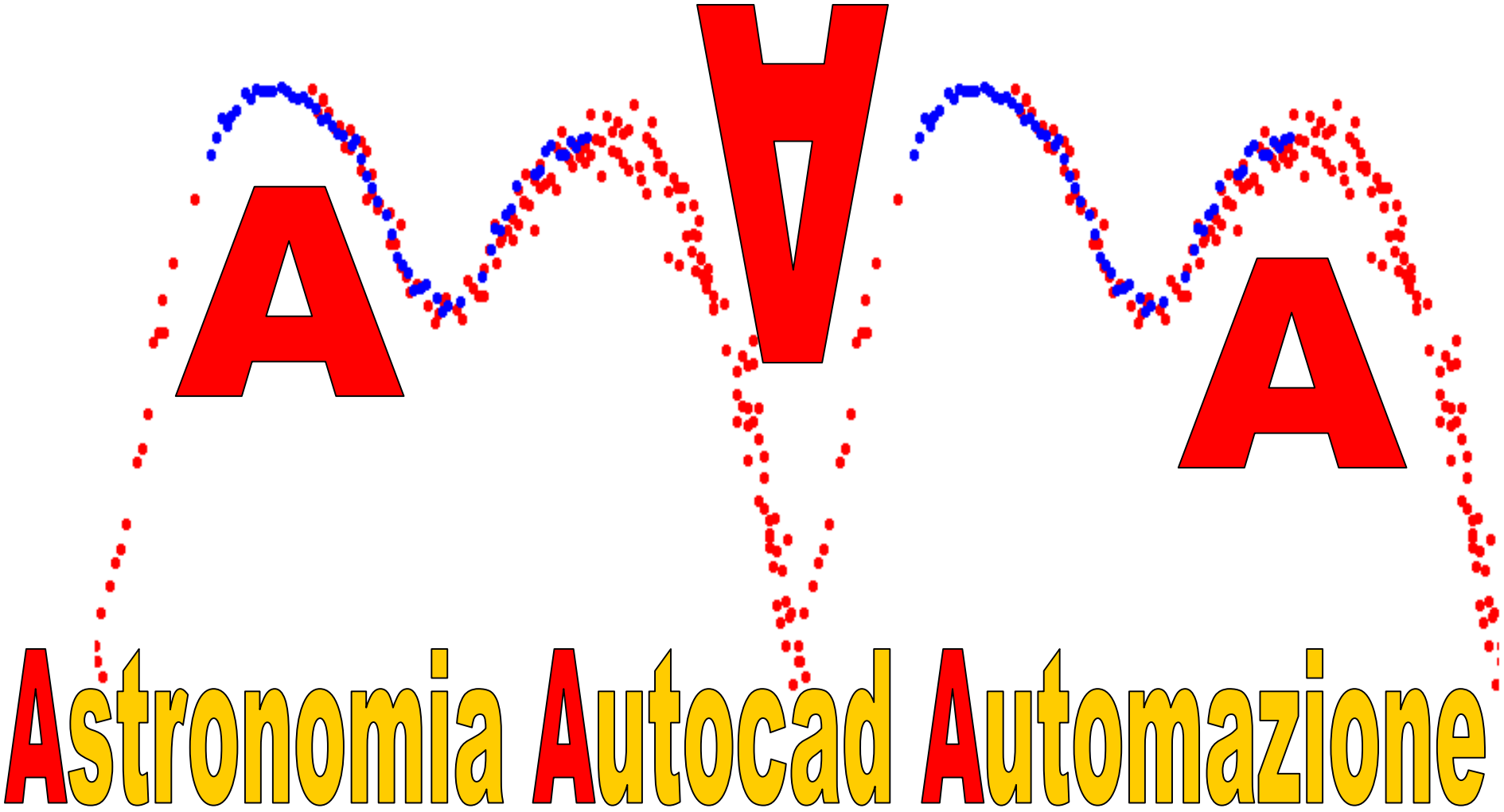
Osservatorio di Bassano Bresciano



XXV Meeting provinciale di Astronomia pratica - 23 Nov 2015

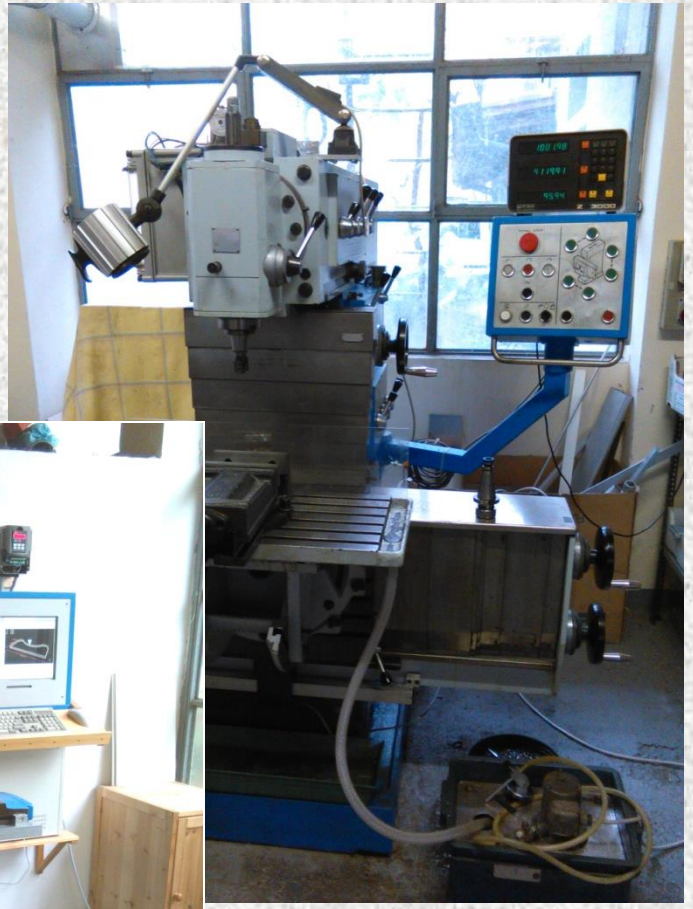
Perché un nuovo telescopio

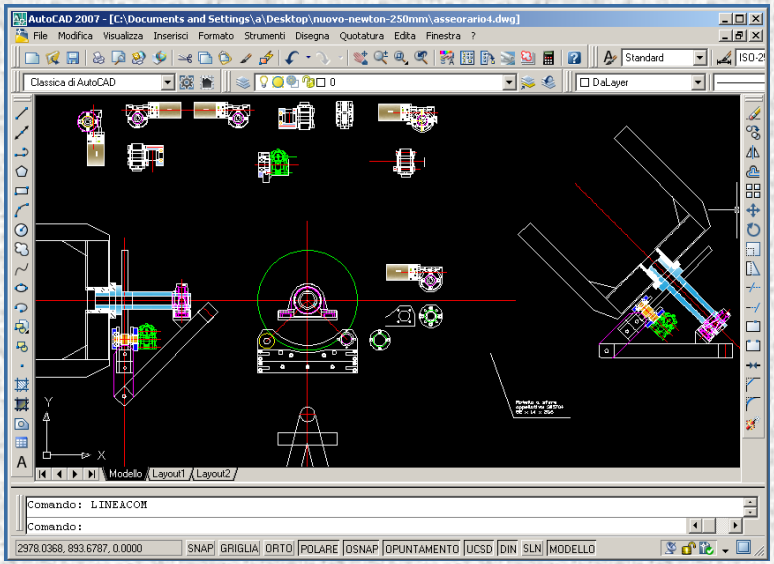
- Necessità strumento performante
- Stelle variabili (maggior precisione)
- Piacere del progettare/costruire

Cosa ci proponiamo

- Precisione puntamento
- Foto senza guida
- Tolleranze centesimali
- Progettazione CAD/CAM (Autocad et altri)
- Esecuzione su macchine visualizzate e/o a controllo numerico
- Scelta accurata materiali
- Esperienza precedenti telescopi
- Da tecnologia anni ‘80 a tecnologia 2015

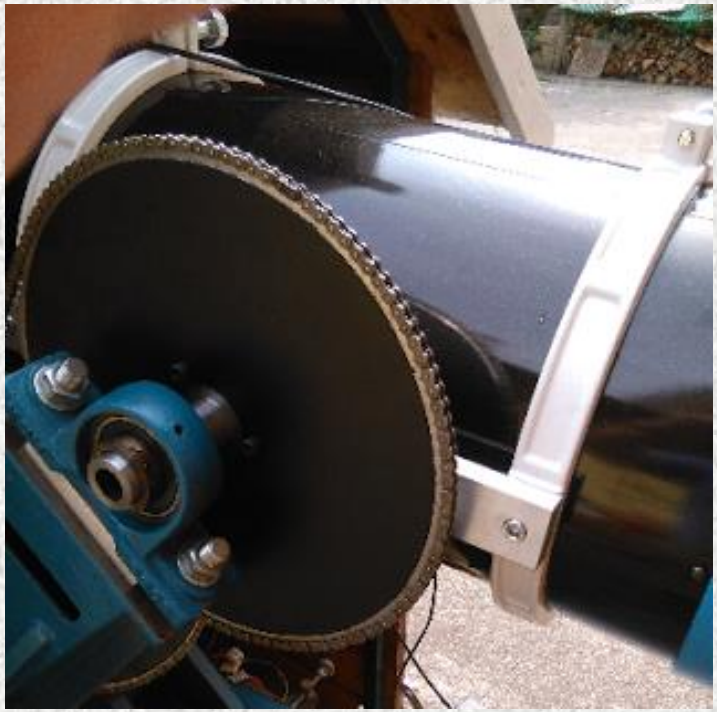
Tecnologia CAD-CAM





Retrofitting 1947

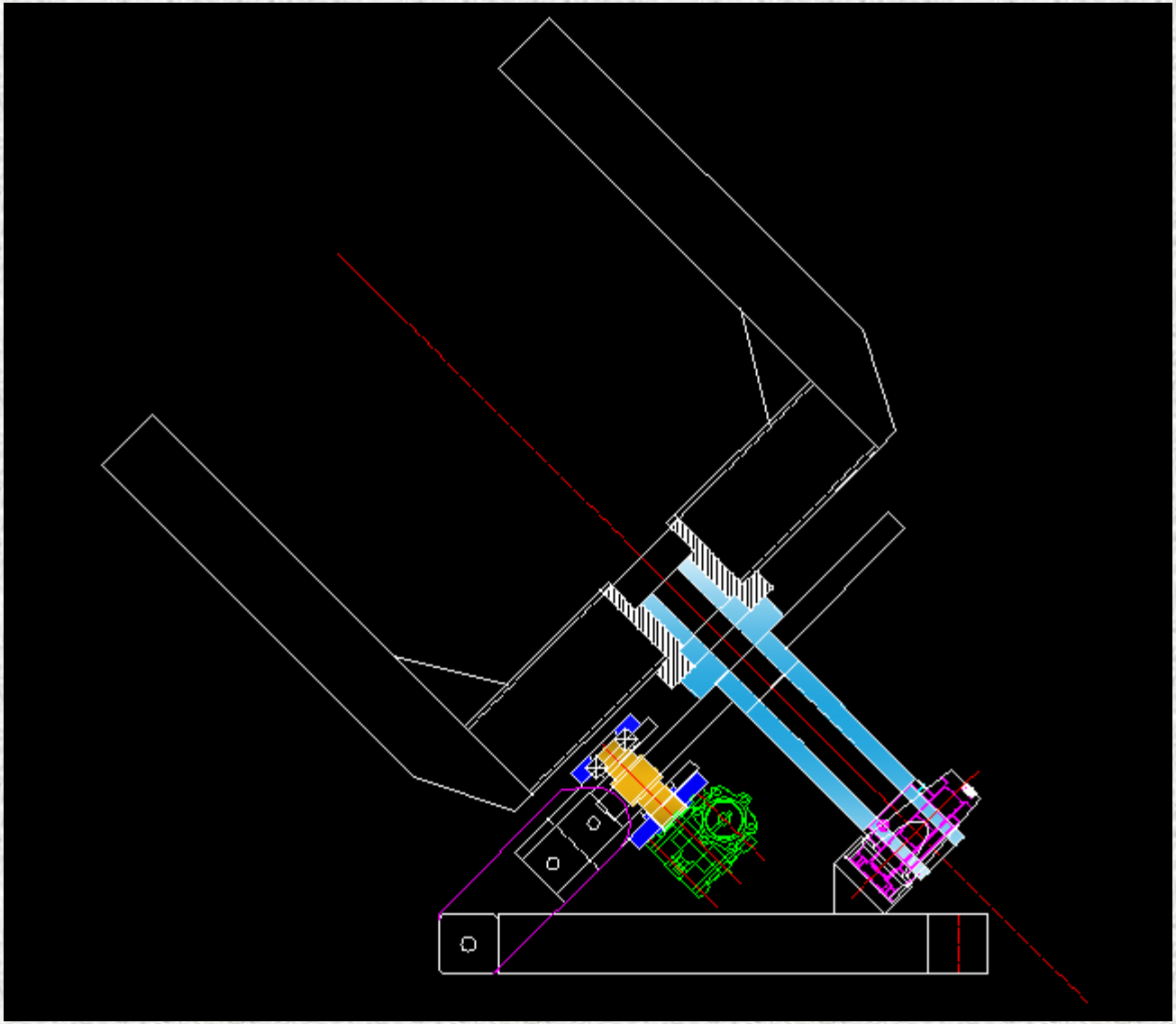
IL TUBO OTTICO



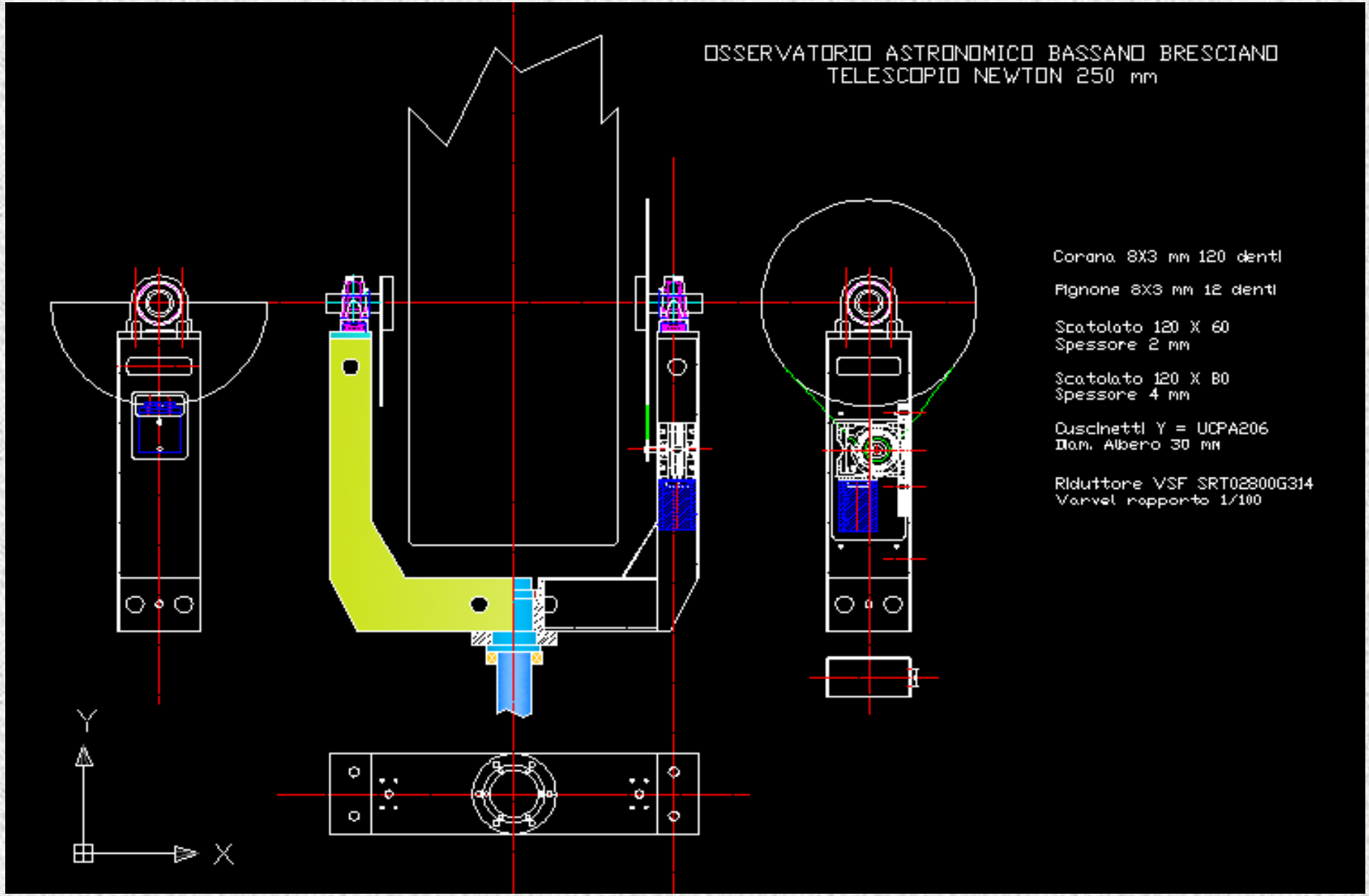
VIGNETTATURA

POROLUNGA-CONTRAPPESO

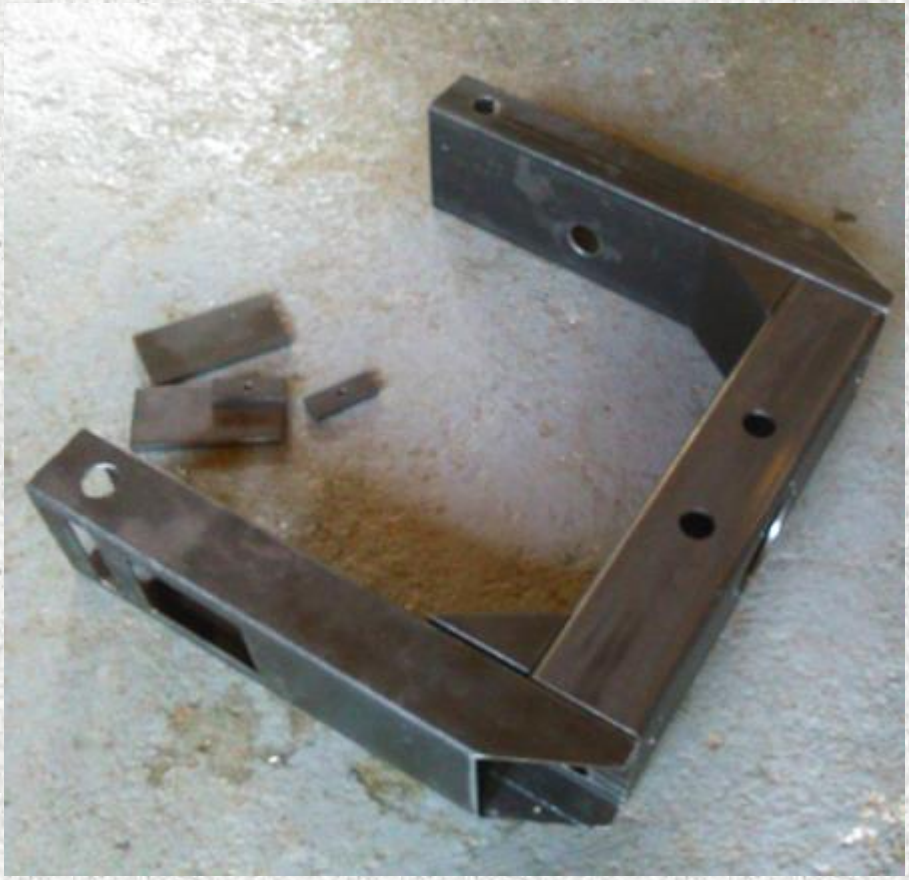
PROGETTO AUTOCAD



PROGETTO DELLA FORCELLA



COSTRUZIONE FORCELLA



VARIE FASI

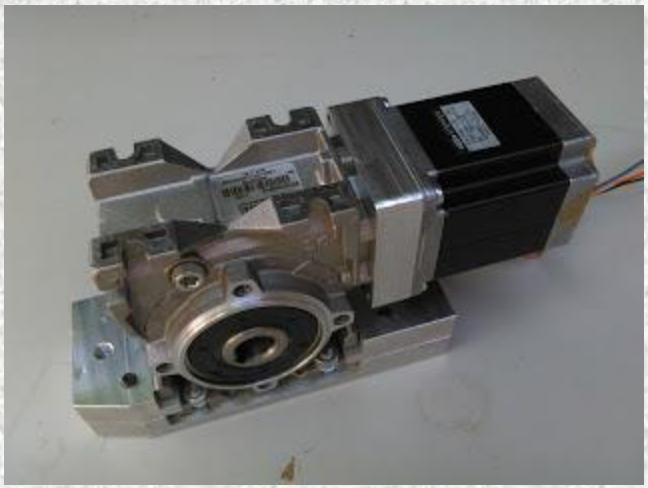
CANOTTO PER ASSE ORARIO

STAFFAGGIO PER SALDATURA

SALDATURA

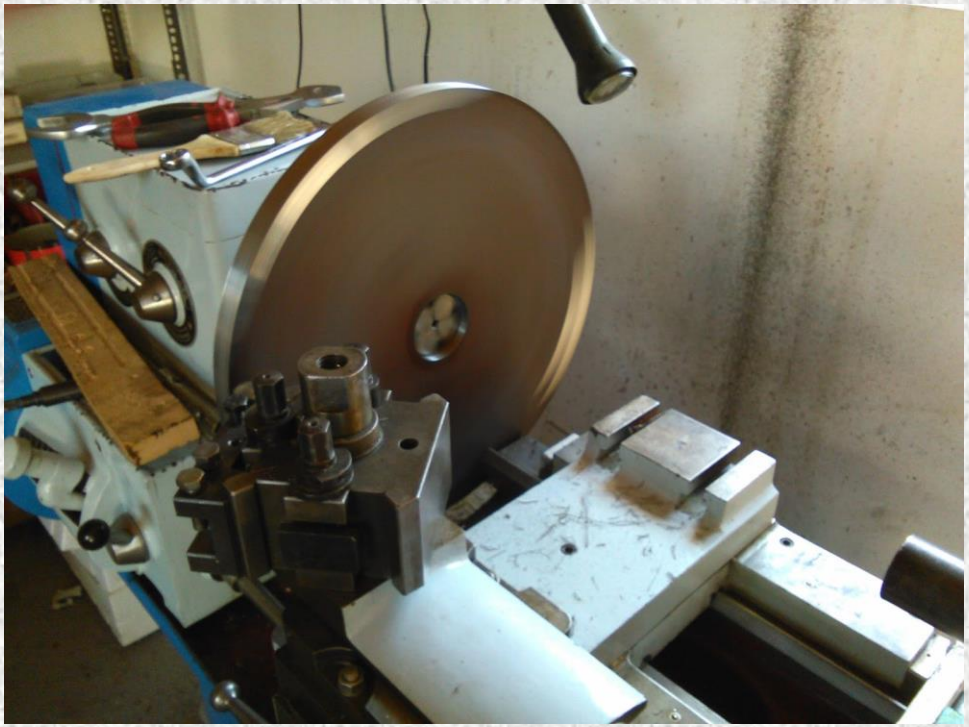
NORMALIZZAZIONE

Assemblaggio forcella

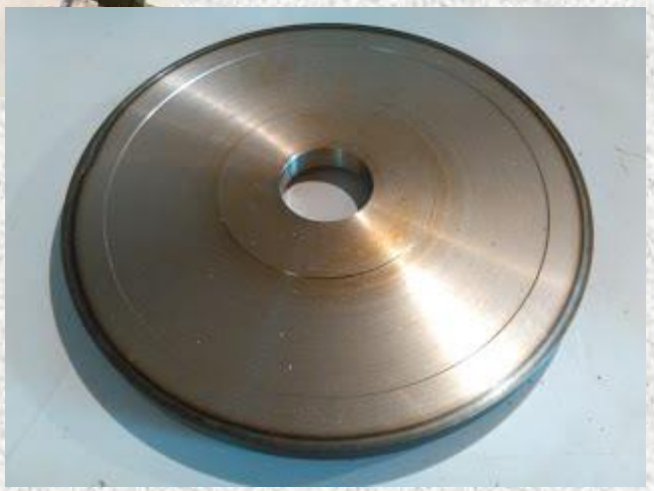


IL DISCO ORARIO

SGROSSATURA

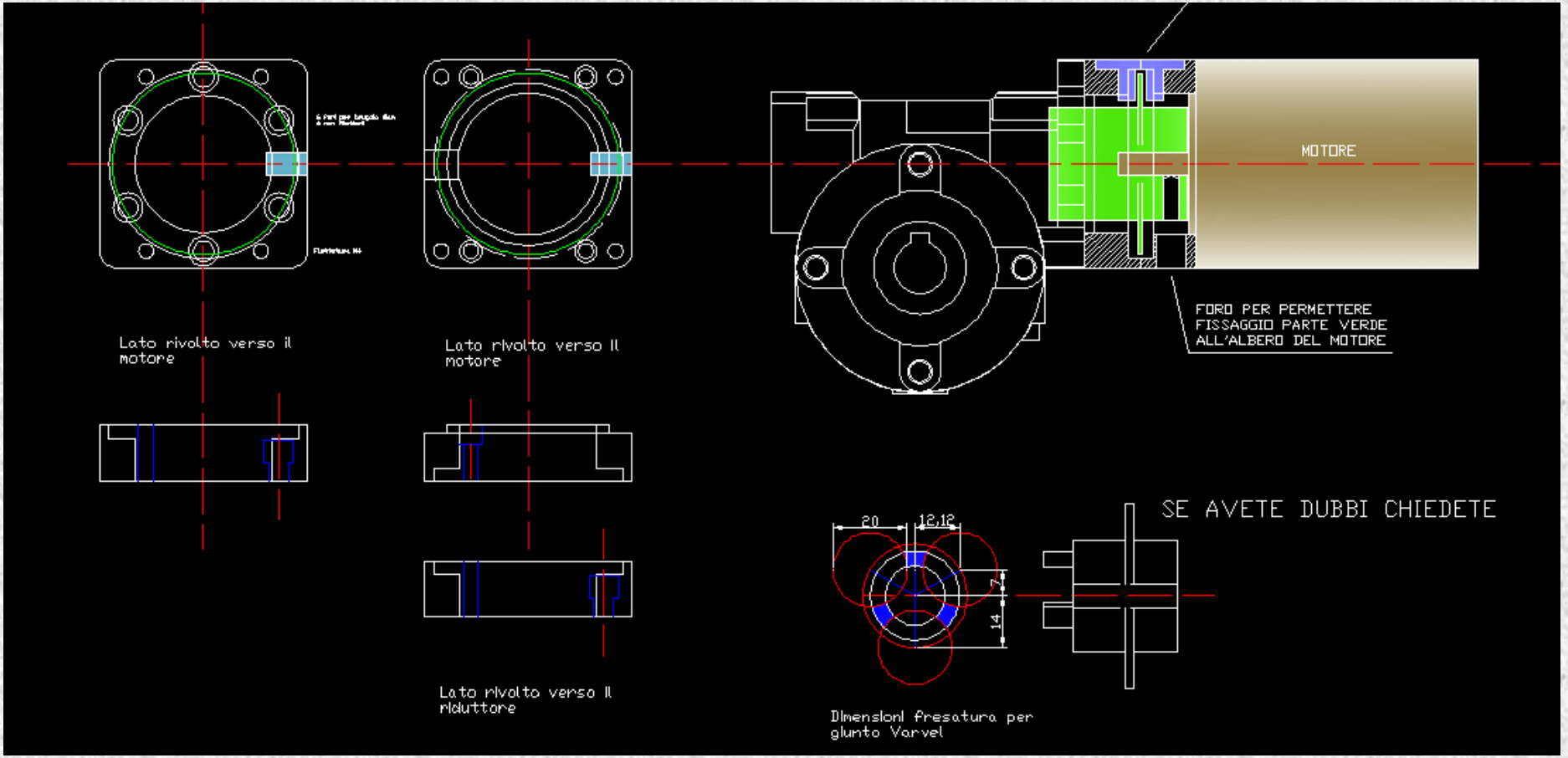


FINITURA

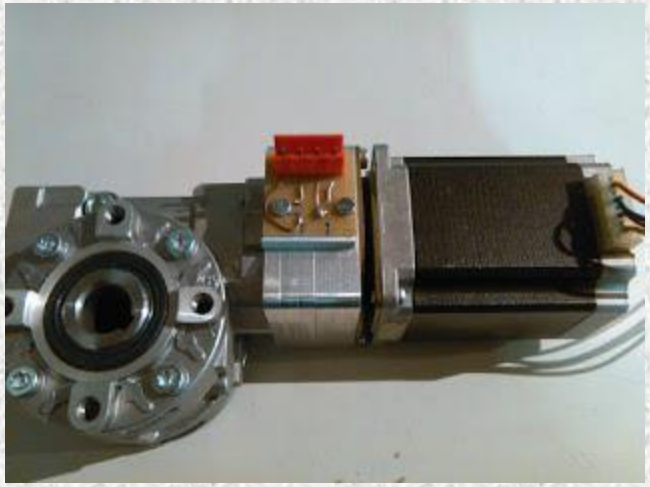


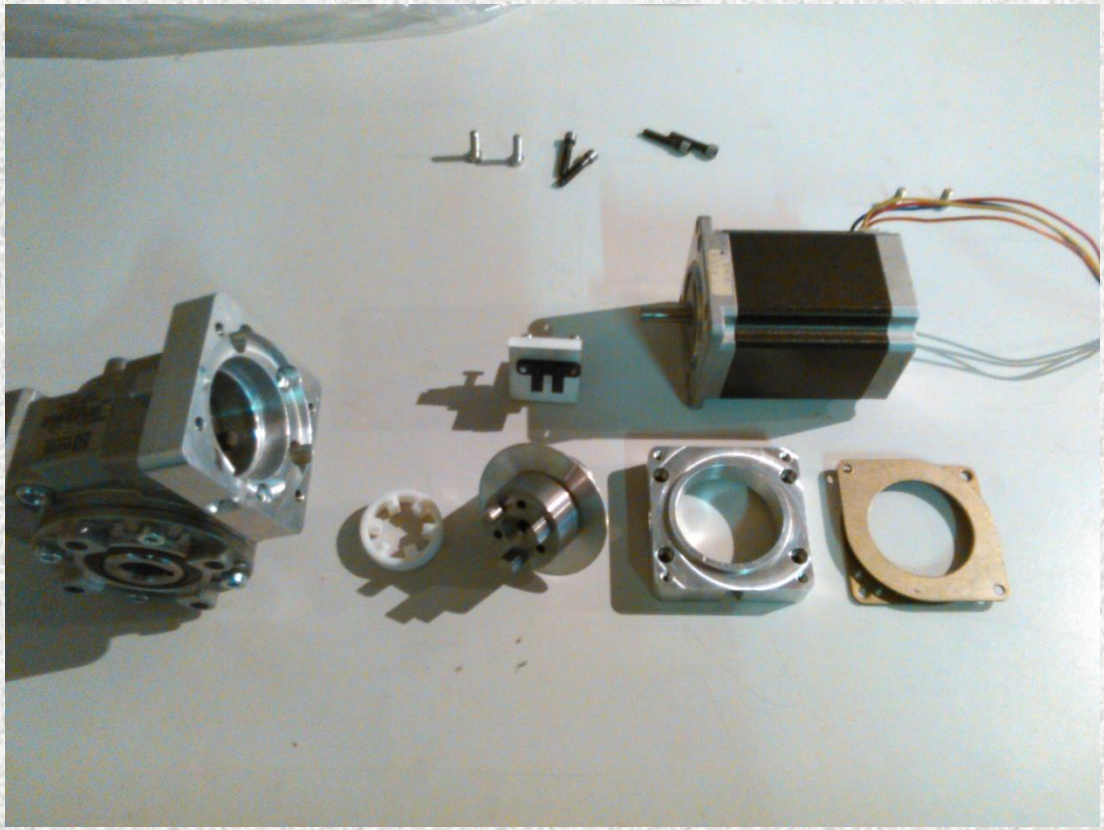
TEMPRA

Progetto moto orario



Moto orario



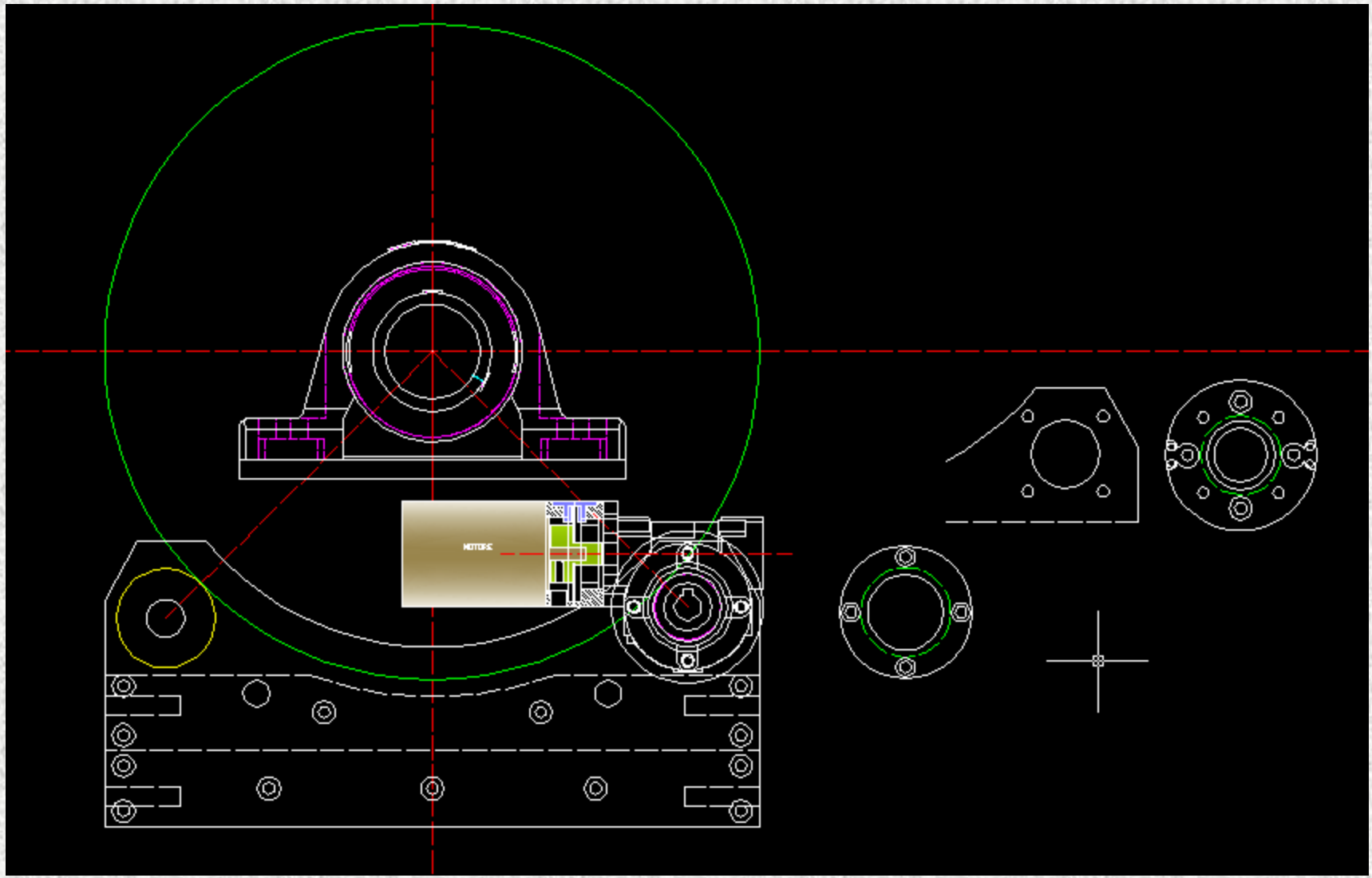


Il funzionamento nella parte elettronica

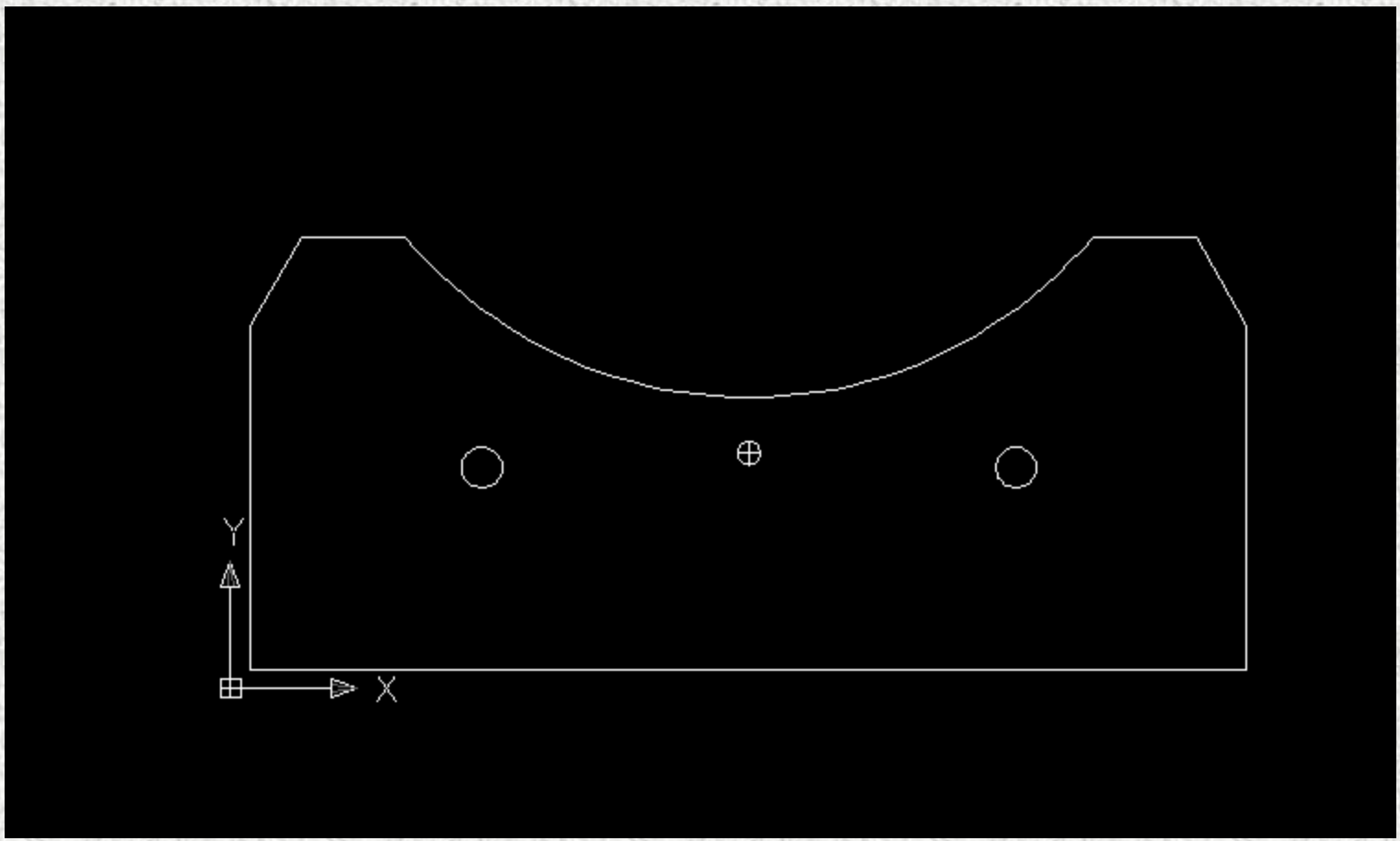
FRESATURA GIUNTO CNC

Qui c’è un filmato con la fresa

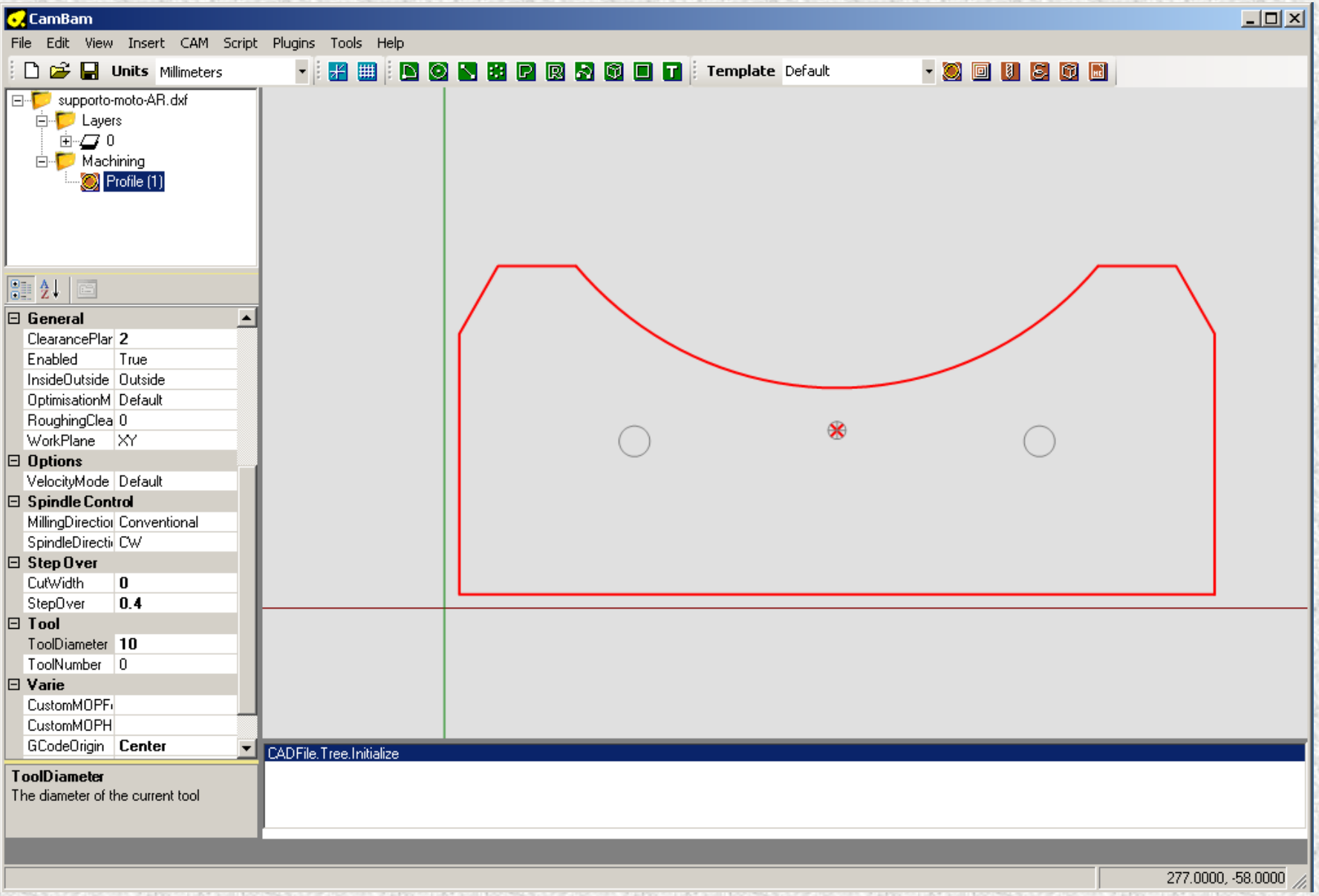
PROGETTO AUTOCAD DEL BASAMENTO



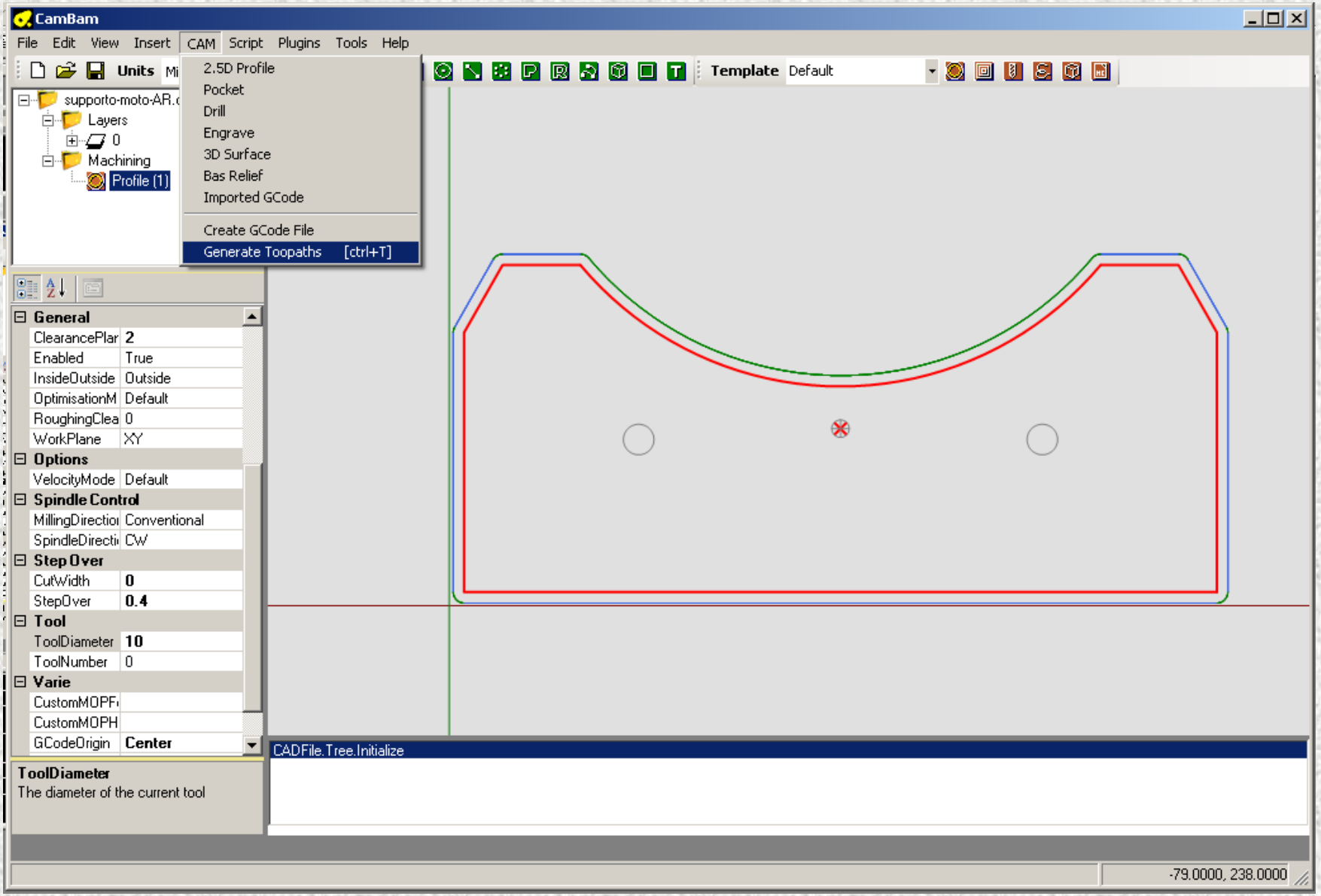
ESTRAZIONE DELLA SAGOMA



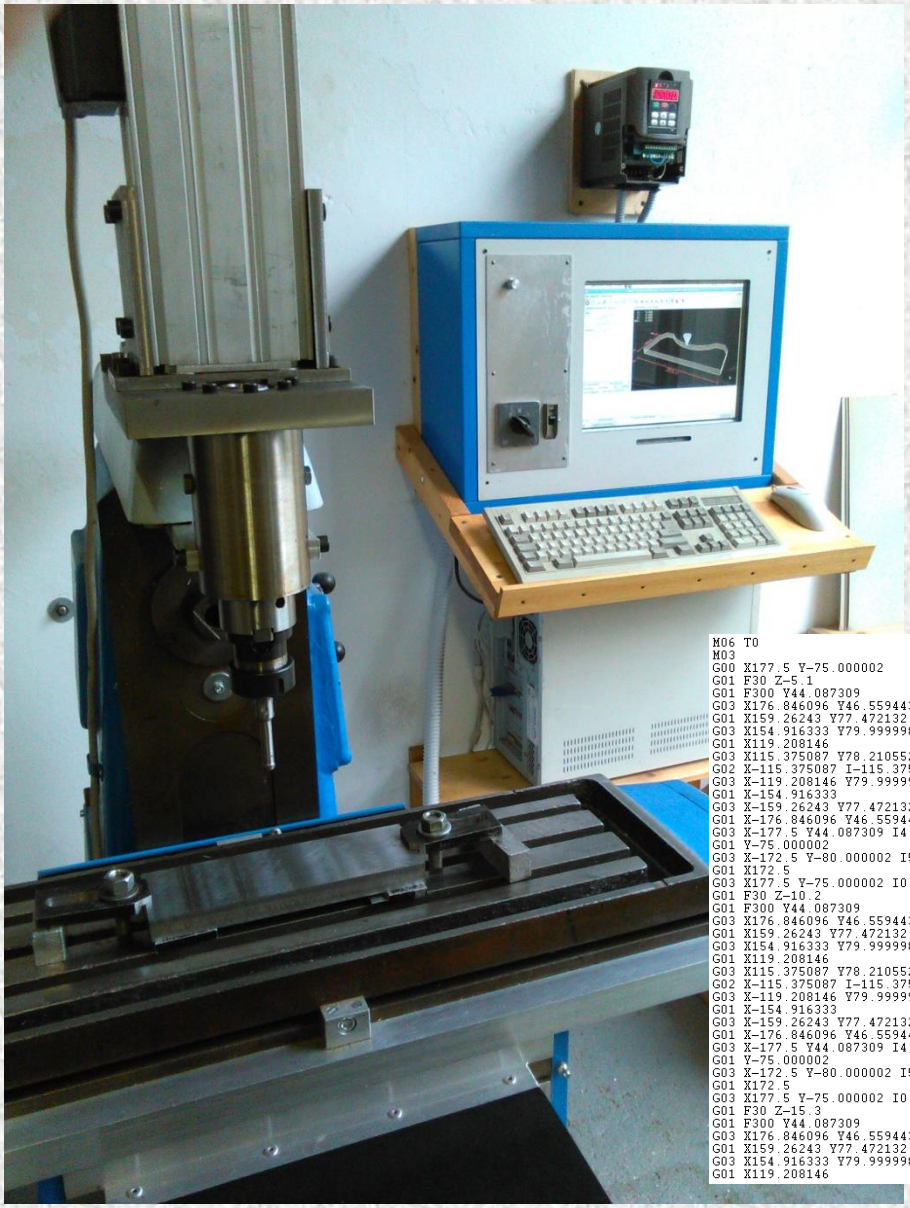
PROFILO SAGOMA



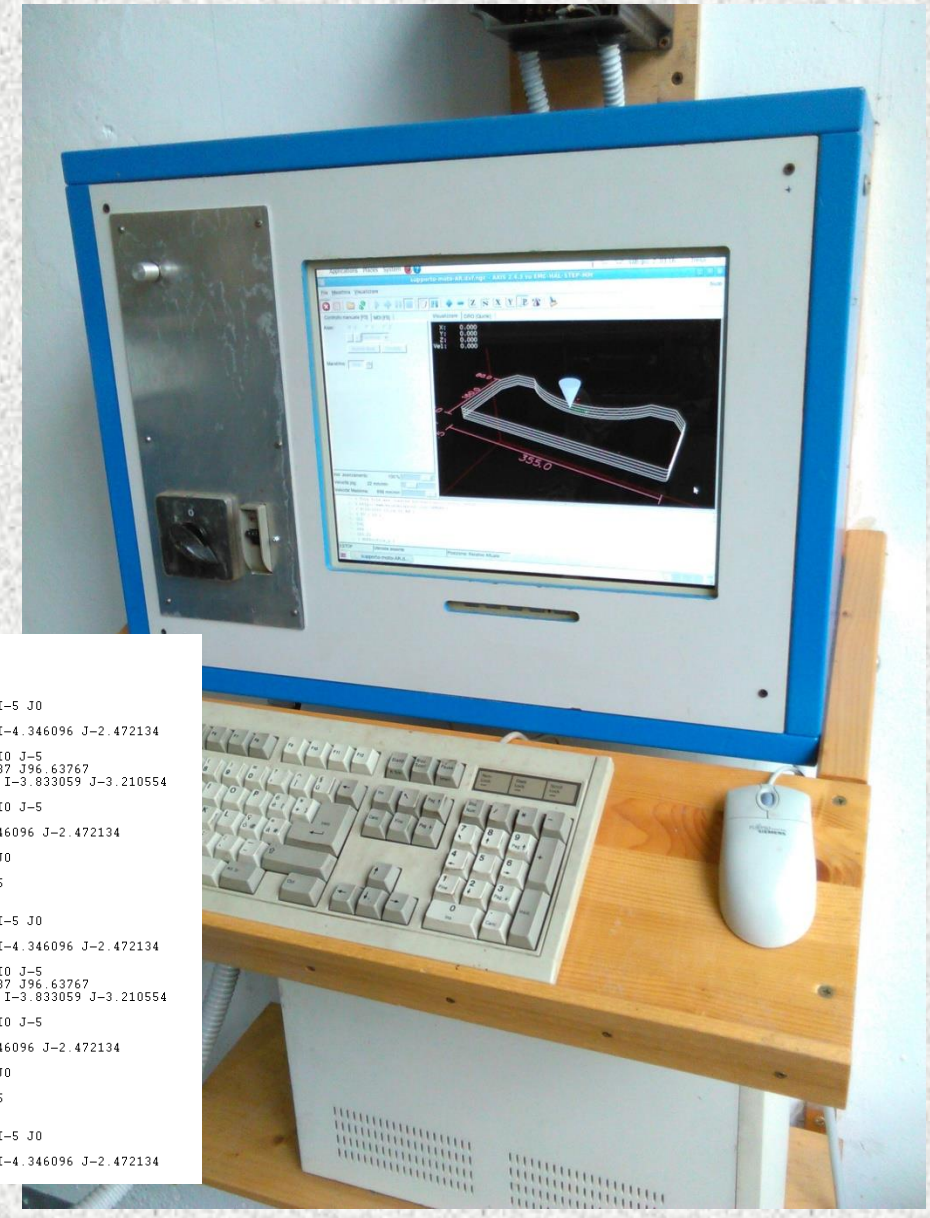
PERCORSO UTENSILE



Controllo numerico

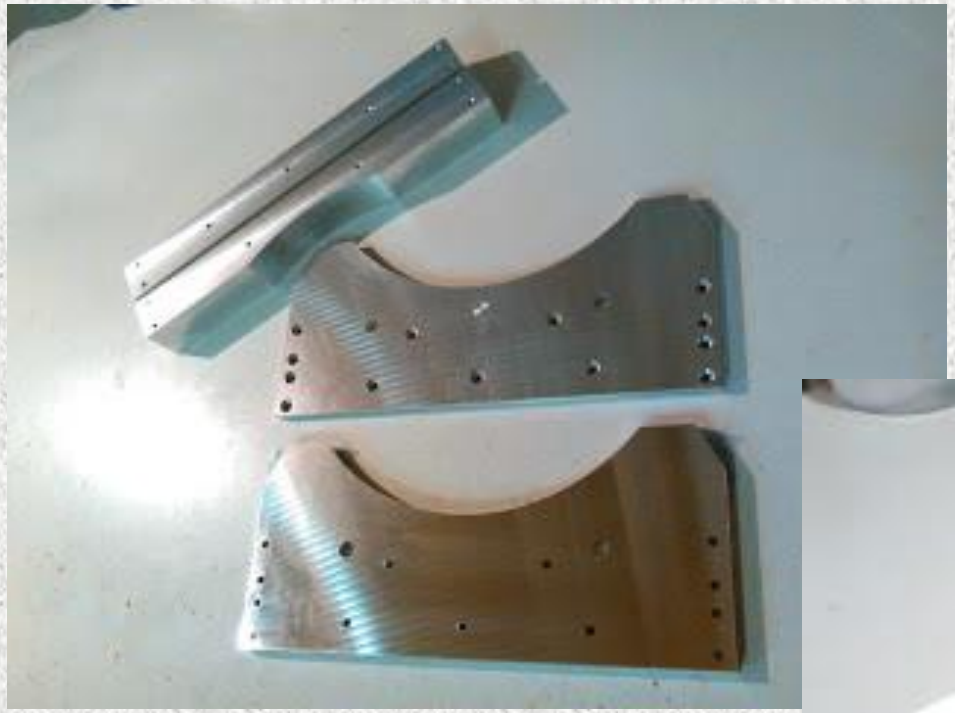


```
M06 T0
M03
G00 X177.5 Y-75.000002
G01 F30 Z-5.1
G01 F300 Y44.087309
G03 X176.846096 Y46.559443 I-5 J0
G01 X159.26243 Y77.472132
G03 X154.916333 Y79.999998 I-4.346096 J-2.472134
G01 X119.208146
G03 X115.375087 Y78.210552 I0 J-5
G02 X-115.375087 I-115.375087 J96.63767
G03 X-119.208146 Y79.999998 I-3.833059 J-3.210554
G01 X-154.916333
G03 X-159.26243 Y77.472132 I0 J-5
G01 X-176.846096 Y46.559443
G03 X-177.5 Y44.087309 I4.346096 J-2.472134
G01 Y-75.000002
G03 X-172.5 Y-80.000002 I5 J0
G01 X172.5
G03 X177.5 Y-75.000002 I0 J5
G01 F30 Z-10.2
G01 F300 Y44.087309
G03 X176.846096 Y46.559443 I-5 J0
G01 X159.26243 Y77.472132
G03 X154.916333 Y79.999998 I-4.346096 J-2.472134
G01 X119.208146
G03 X115.375087 Y78.210552 I0 J-5
G02 X-115.375087 I-115.375087 J96.63767
G03 X-119.208146 Y79.999998 I-3.833059 J-3.210554
G01 X-154.916333
G03 X-159.26243 Y77.472132 I0 J-5
G01 X-176.846096 Y46.559443
G03 X-177.5 Y44.087309 I4.346096 J-2.472134
G01 Y-75.000002
G03 X-172.5 Y-80.000002 I5 J0
G01 X172.5
G03 X177.5 Y-75.000002 I0 J5
G01 F30 Z-15.3
G01 F300 Y44.087309
G03 X176.846096 Y46.559443 I-5 J0
G01 X159.26243 Y77.472132
G03 X154.916333 Y79.999998 I-4.346096 J-2.472134
G01 X119.208146
```



FRESATURA CNC

PEZZO FINITO E ASSEMBLATO



Il blog della meccanica del telescopio

Visualizzazioni di pagine per paese

Voce	Visualizzazioni di pagine
Italia	638
Francia	190
Stati Uniti	59
Ucraina	18
Germania	15
Giappone	12
Irlanda	9
Regno Unito	8
Svizzera	7
Belgio	4

Aperto un blog

a Natale 2014

obbcostruzionimeccaniche.blogspot.it

CONTINUA…

Osservatorio di Bassano Bresciano

Osservatorio di Bassano Bresciano