Istituto di istruzione superiore
«Aldini Valeriani - Sirani»
Bologna

“La caffettiera: come dare forma ad un’idea”

Reparto macchine utensili tradizionali:
Il cammino verso il CNC inizia da qui…

1980

Graziano SAG 12 CNC con controllo GE1050HL

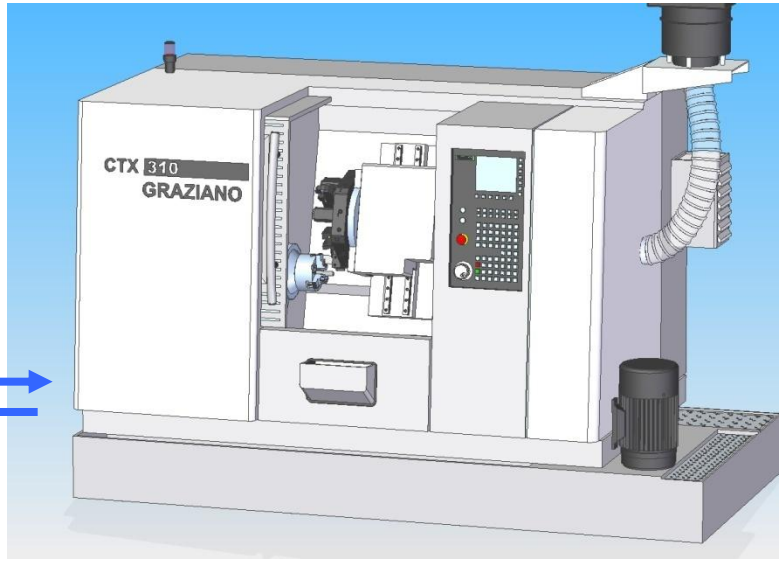
1988

Leadwell MCV-OP controllo Fanuc 0M

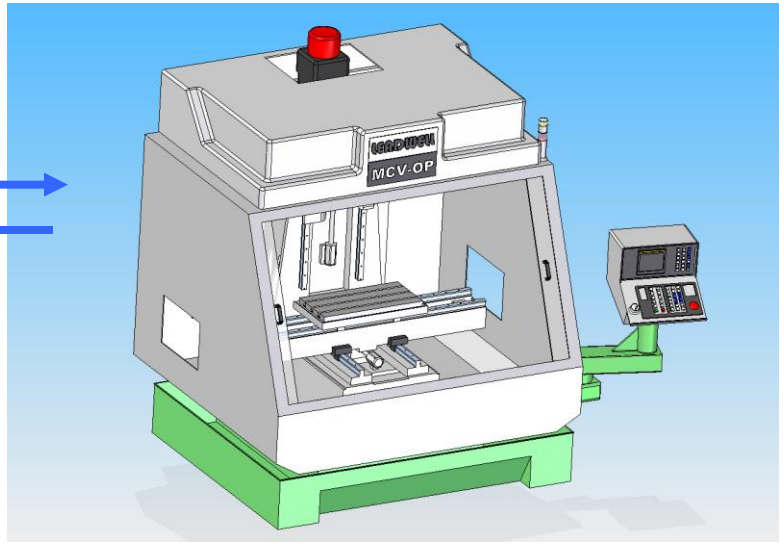
2002

Graziano CTX310 con controllo Siemens840d

CTX 310
GRAZIANO


CTX 310
GRAZIANO

LEADWELL
MCV-OP


MCV-OP

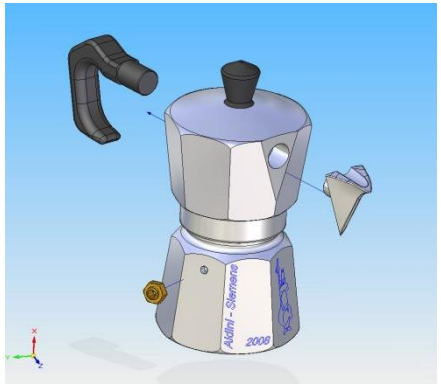
2006
2004
2005
SIEMENS

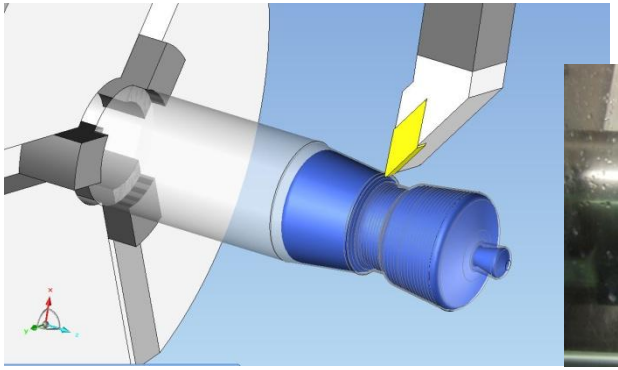
2007
Istituto Aldini Valeriani Sirani
Ing. Andrea Burnelli

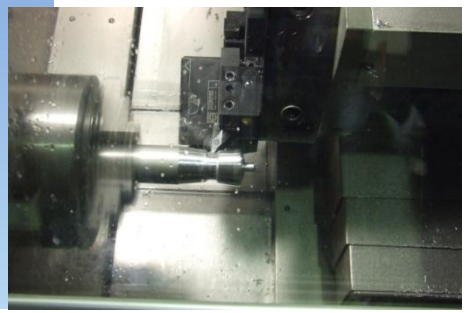
2008 …“Quest’anno faccio la caffettiera…”

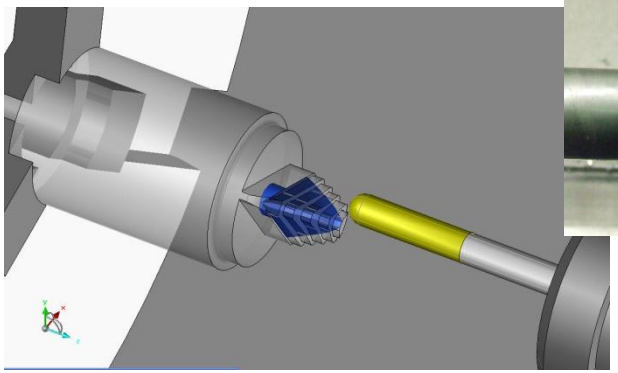
Come si arriva ad un modellino di caffettiera finito con un tornio a 3 assi con gli utensili motorizzati ed un centro di lavoro a 3 assi?

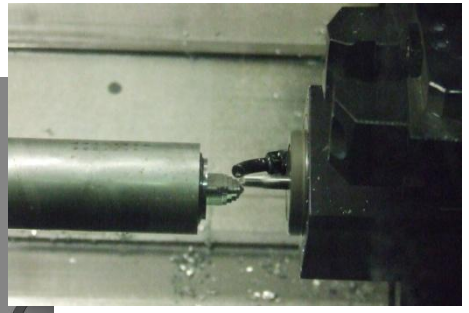
CAD → **PROTOTIPAZIONE RAPIDA** → **CAM** → **CNC**

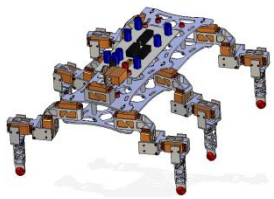




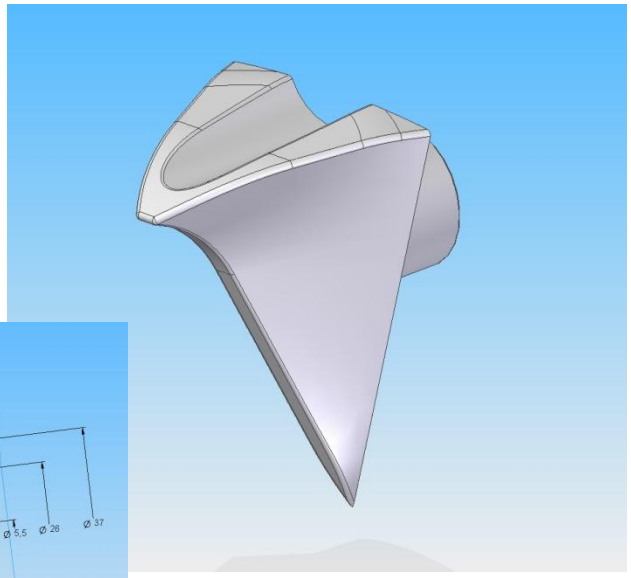


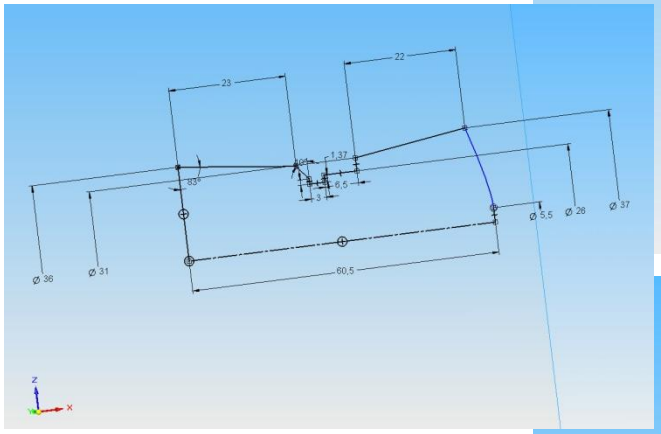




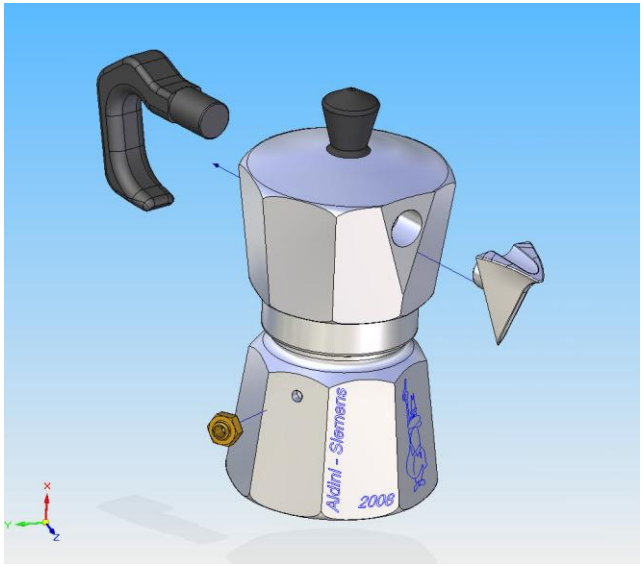


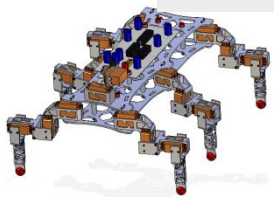
CAD



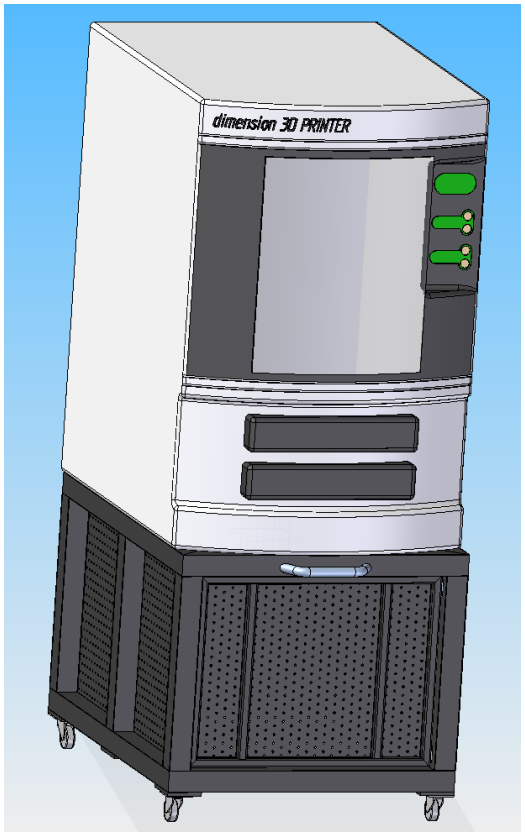

23
22
1,37
93°
6,5
3
Ø 5,5
Ø 28
Ø 37
Ø 36
Ø 31
60,5

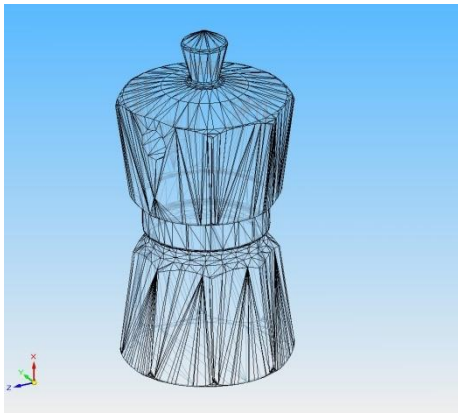
Aldini Valeriani
2008

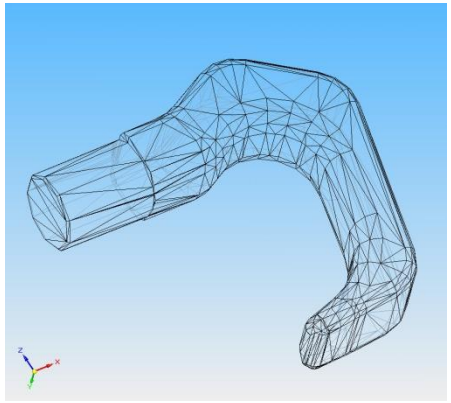

Aldini - Siemens
2008

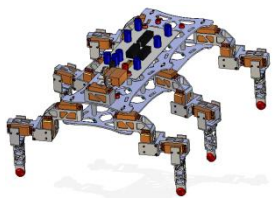


CAD → **PROTOTIPAZIONE RAPIDA**

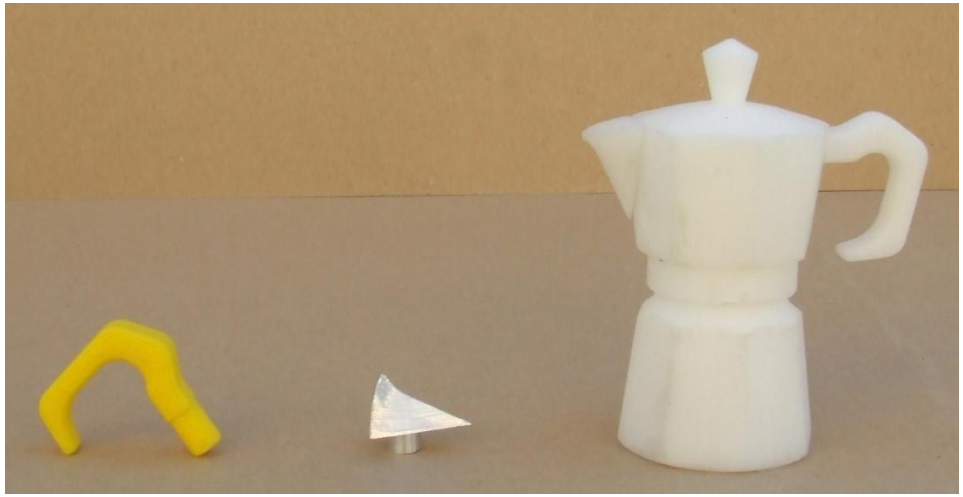


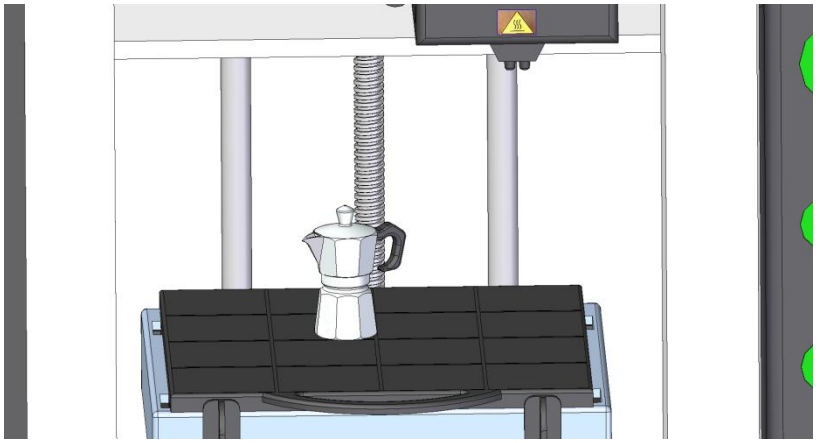


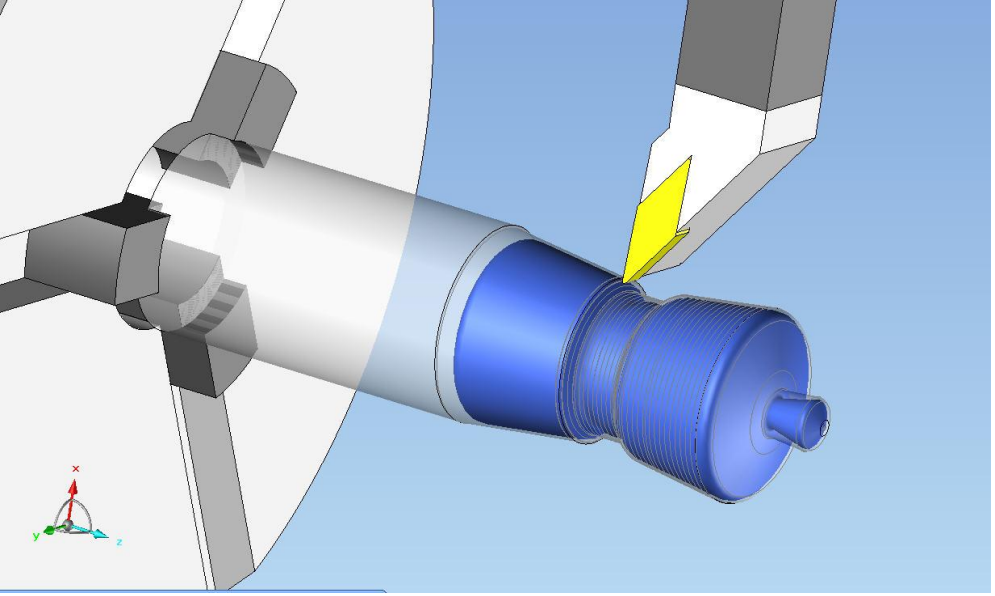


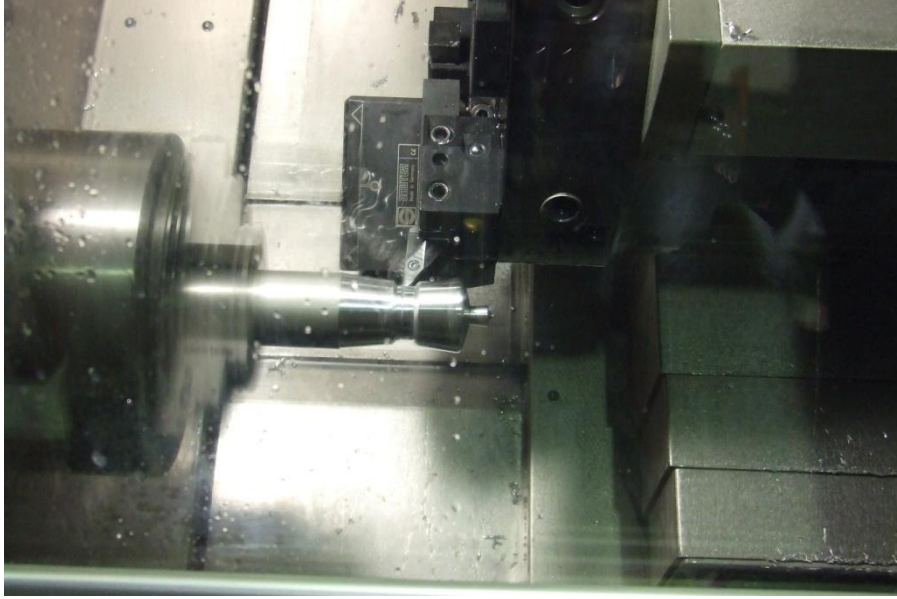


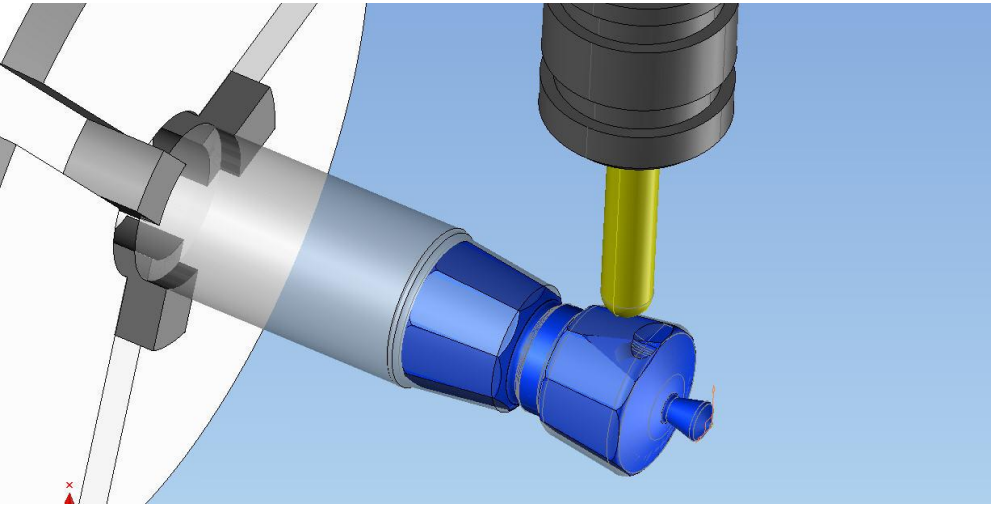
CAD → **PROTOTIPAZIONE RAPIDA**

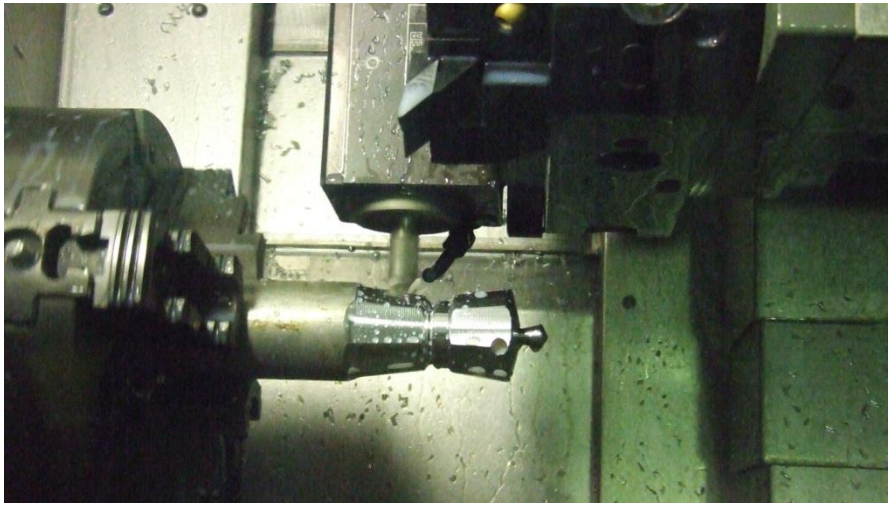




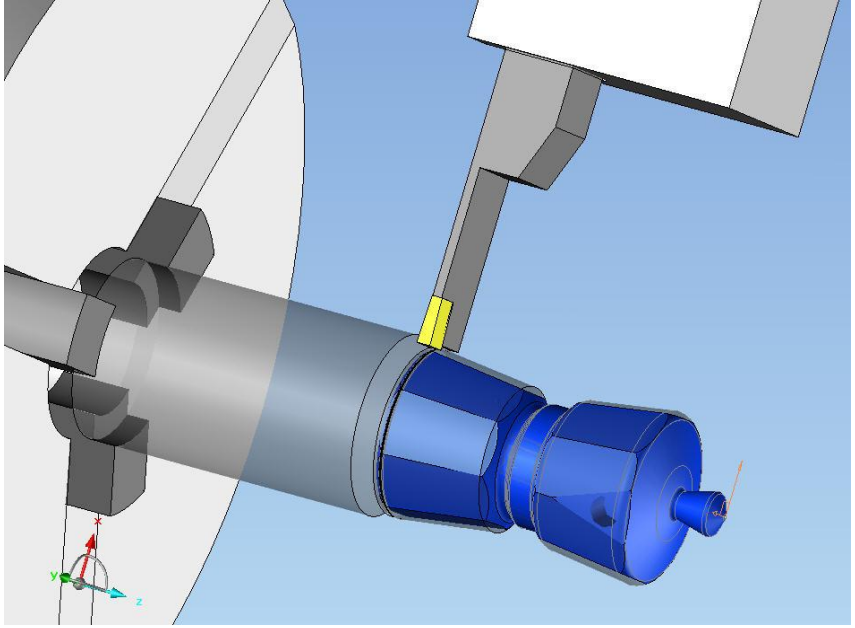


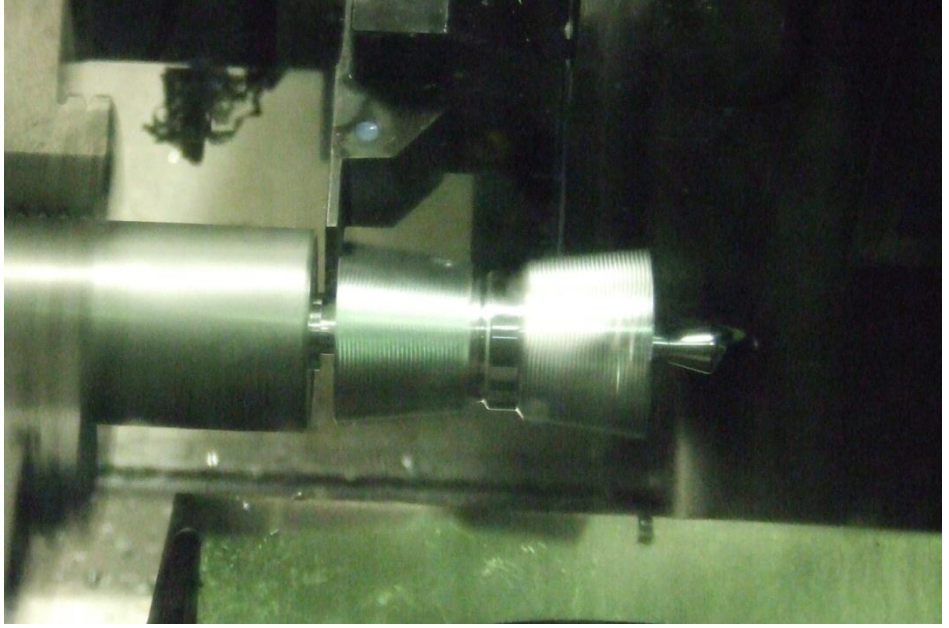


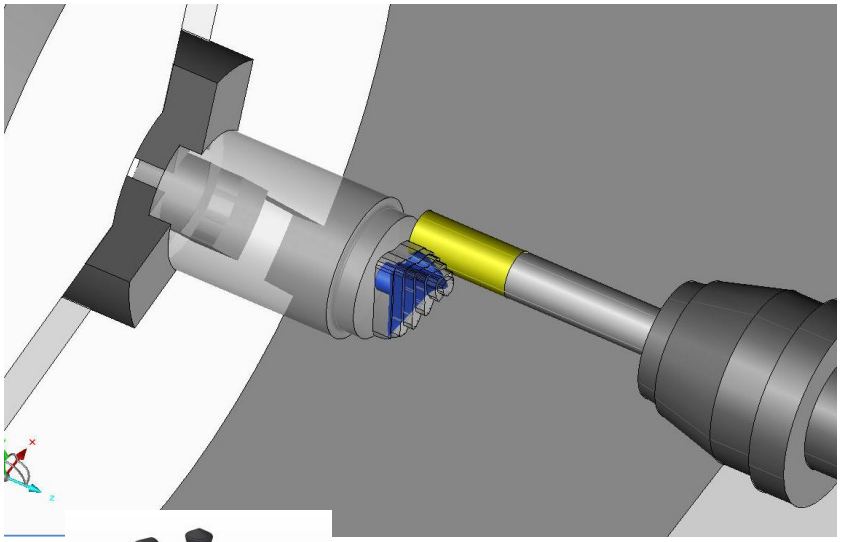


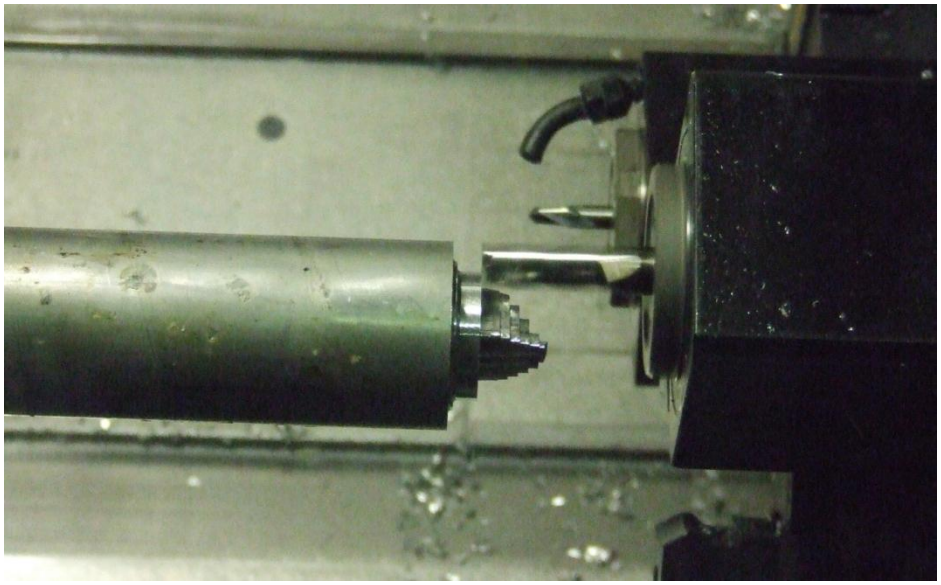


CAM → CNC



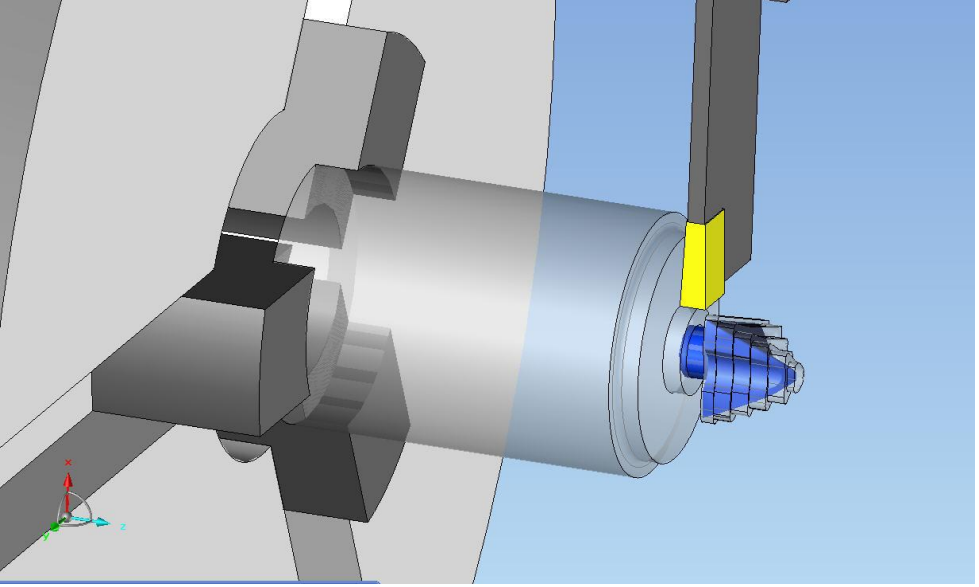


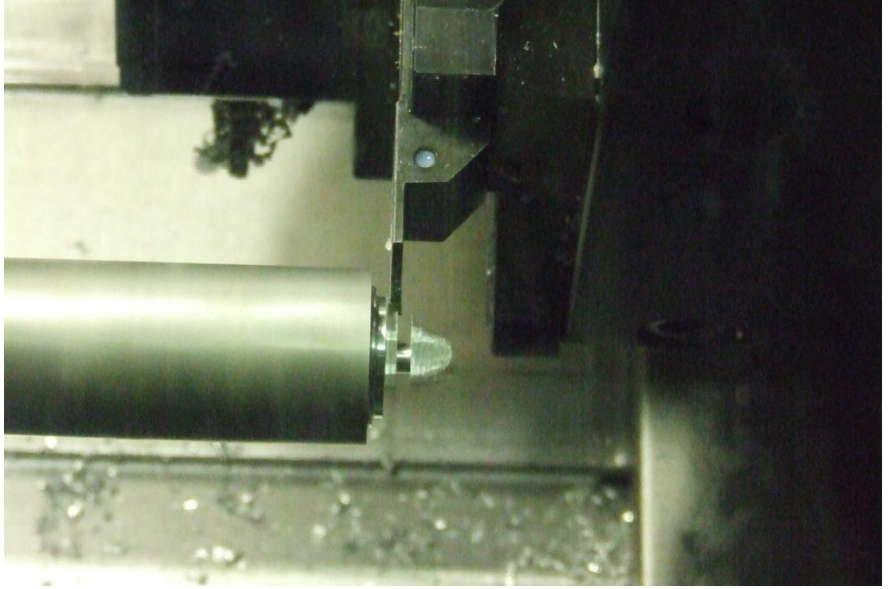


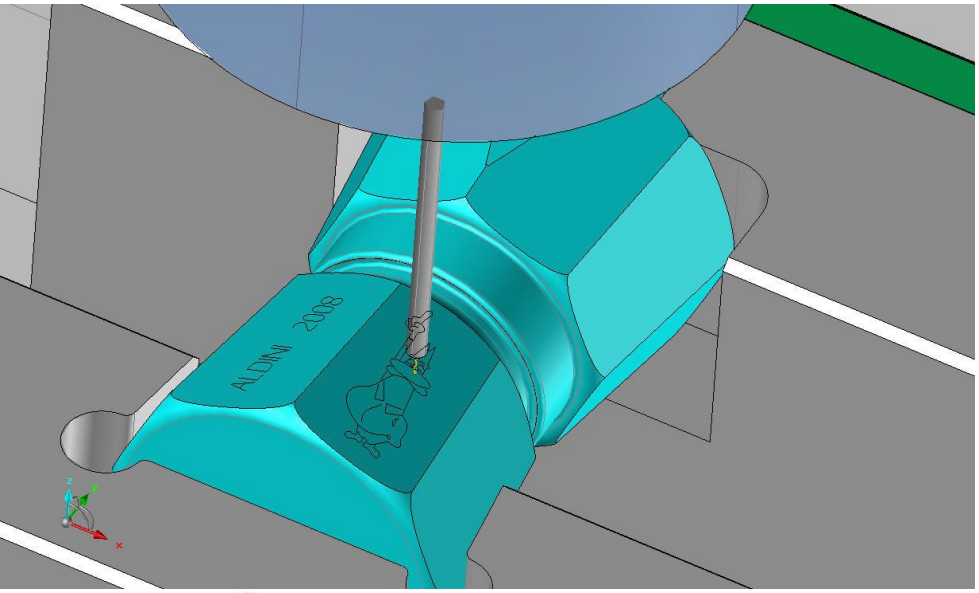


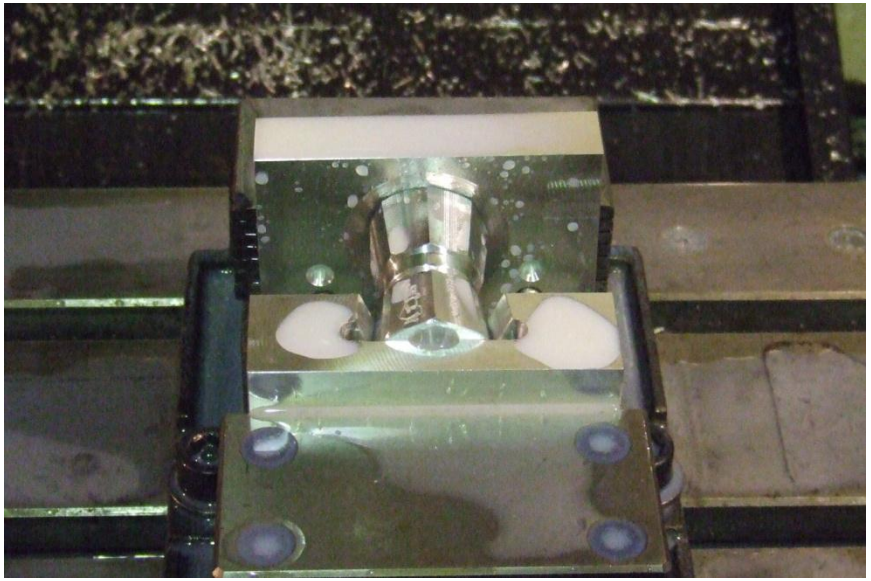
CAM → CNC

Istituto Aldini Valeriani Sirani *Ing. Andrea Burnelli*









CAM → CNC

Grazie per l'attenzione!