

ESEMPIO DI ASOLE SU CIRCONFERENZA CON FRESATURA A SPIRALE

The screenshot shows a CNC control interface with the following elements:

- Program Editor:** Displays the G-code program starting with `$2X-122.261I105.205Y-71.1141J51.2`.
- Machine Position:** Shows X, Y, Z, and A axes at 0.000.
- Actual Position:** Shows F and S values at 0.
- 3D Model:** A cyan wireframe model of a circular part with a spiral groove.
- Control Panel:** Includes buttons for HANDWHEEL, START HOLD BREAK, JOG AXIS Z-, Z+, Y-, Y+, X-, and X+.
- Bottom Bar:** Contains tabs for Macchina Utensile, Programmazione, Tabelle, Utilità, and PLC. Below these are buttons for DISEGNO ATTIVO, ZOOM, START DISEGNO, STOP DISEGNO, SALVA IMMAGINE, CONVERSIONALE, and FUNZIONI AVANZATE.
- System Info:** Shows the date 2003 06 10 and time 09:42:17, along with the SELCA logo.

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$2X-122.261I105.205Y-71.1141J51.2152K45Q30
O1
$5
T1M6 [FRESA CANDELA D16
G49I8
S1000F1200M13
P1=5[NUMERO ASOLE
P2=70 [RAGGIO CENTRO ASOLA
P3=20 [LARGHEZZA ASOLA
P4=20[ANGOLO INIZIALE
P5=40 [INTERASSE ANGOLARE
P6=-20[PROFONDITA' TOTALE
P7=1 [INCREMENTO Z
[-----
P3=P3/2
P8=P4+P5/2
E1=G20X0Y0IP2
E2=G13X0Y0JP8,E1K2
P10=E2
L=1
Z100R
XP10YP11R
Z2R
Z0
P12=P3+P2
    
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G735ZP6IP7
G41K2
G20X0Y0IP12
P13=P4+P5
E3=E1,G13X0Y0JP13K2
G20E3IP3
P14=P12-2*P3
G20X0Y0I-P14
E4=E1,G13X0Y0JP4K2
G20E4IP3
G20X0Y0IP12
G40XP10YP11K2
G734
P15=360/P1
G51JP15I
P16=P1-1
Z100R
L1KP16
M30