

CARSO/lathe system

Powerful fast 3D copy milling in stone on your 5-axis CNC or turning lathe!

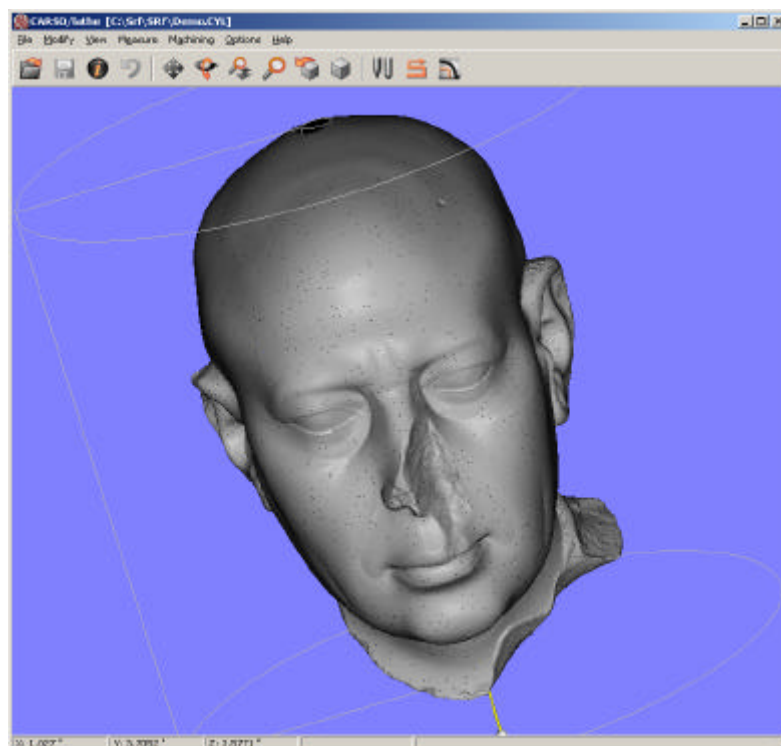


Move into a new dimension of possibilities today and join the technology of tomorrow!

- ◆ ***Expands the use of your CNC machine***
- ◆ ***Easy-to-operate scanner and CAD/CAM software in your language***
- ◆ ***Works faster and gets better details than any touch probe***
- ◆ ***PC based Microsoft Windows application***

With Scantech's TwoCam 3D laser scanner you have a complete system for copying models on your Turning lathe or 5-axis CNC-machine!

Simple and yet powerful copying CAD/CAM based on more than 10 years of experience. Short learning time guaranteed! Metric or inches. Intuitive Windows user interface with Drag and drop capability. Fast and realistic rendering of scan using OpenGL. Compatible with Windows 2000/Xp.



Main features

Import files:

- Cylinder scan made by **Scantech Lathscan** application on a turning lathe
- Cylinder scan made by **Scantech CNCscan** application on a 5-axis CNC
- STL files from any CAD system

Export files:

- Cylinder scan in ASCII format (XYZ or RVZ)
- Cylinder scan in STL format (Binary or ASCII)

Modify scan:

- Scale and stretch to any size
- Move and rotate
- Mirror and reverse
- Smooth the surface
- Reduce points in scan
- Crop away part of scan
- You can undo any modification you have done
- And more...

Cutting tool parameters:

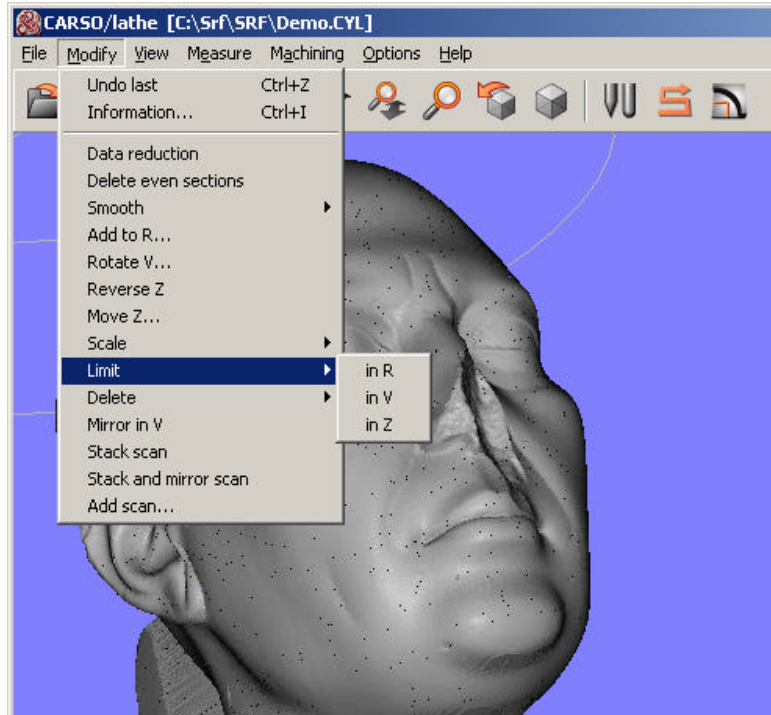
- Choose from 9 different cutting tool shapes in any size
- Specify how much over material should be left for the next milling pass
- Specify cutting speed and the tangential speed will be calculated automatically
- Optimized tool path for fast cutting by automatic data reduction
- A generic post processor is included for both turning lathe and 5-axis CNC

Milling strategies:

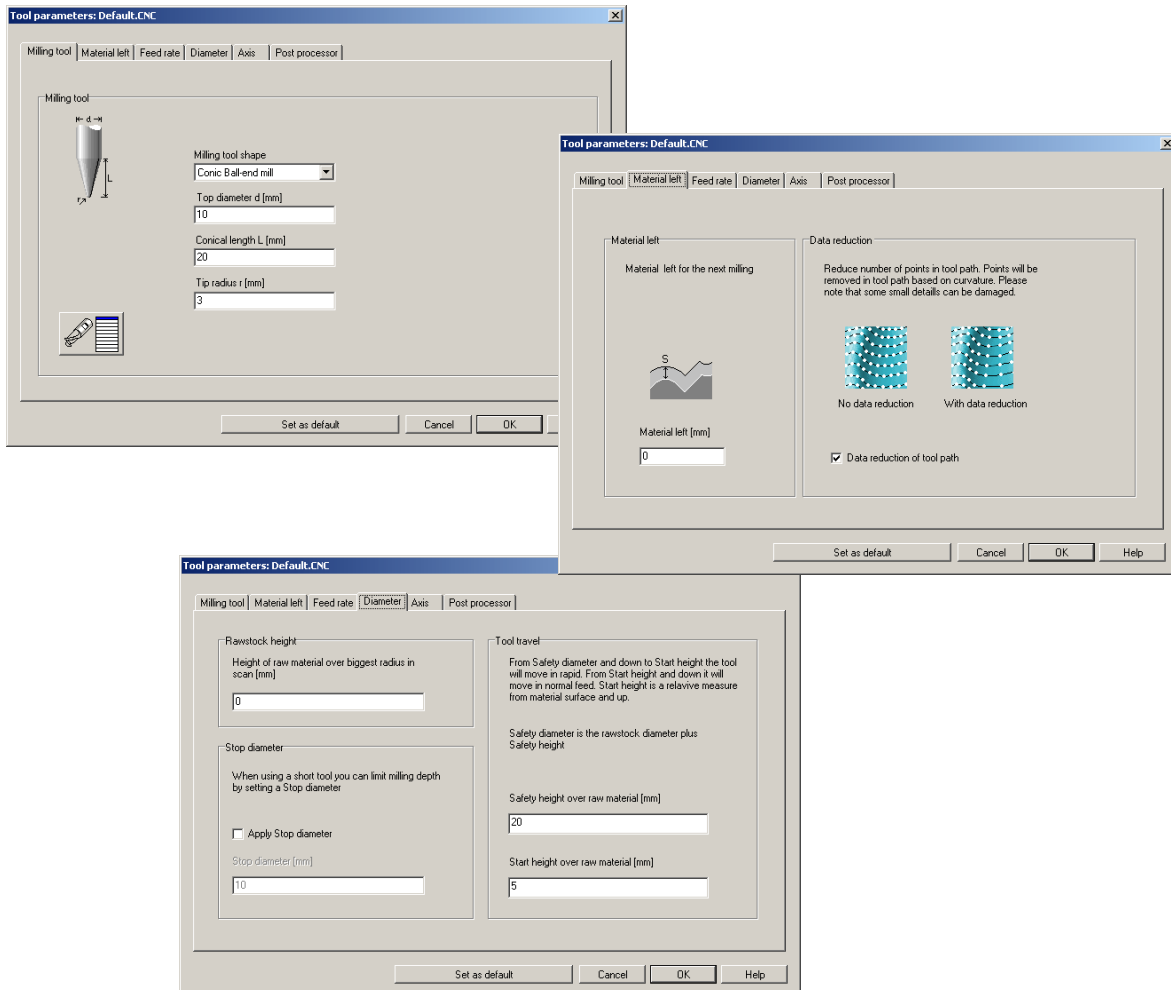
- Bi-directional milling along rotating axis or longitude axis
- Directional cut positive or negative along rotating axis or longitude axis
- Spiral cut taking in account any max rotation in one direction of your CNC
- Layer milling to avoid overloading the cutting tool during rough out
- Free selection of area to cut: All or part of it
- Free selection of start point



Modify scan



Cutting tool setup



Milling strategies

