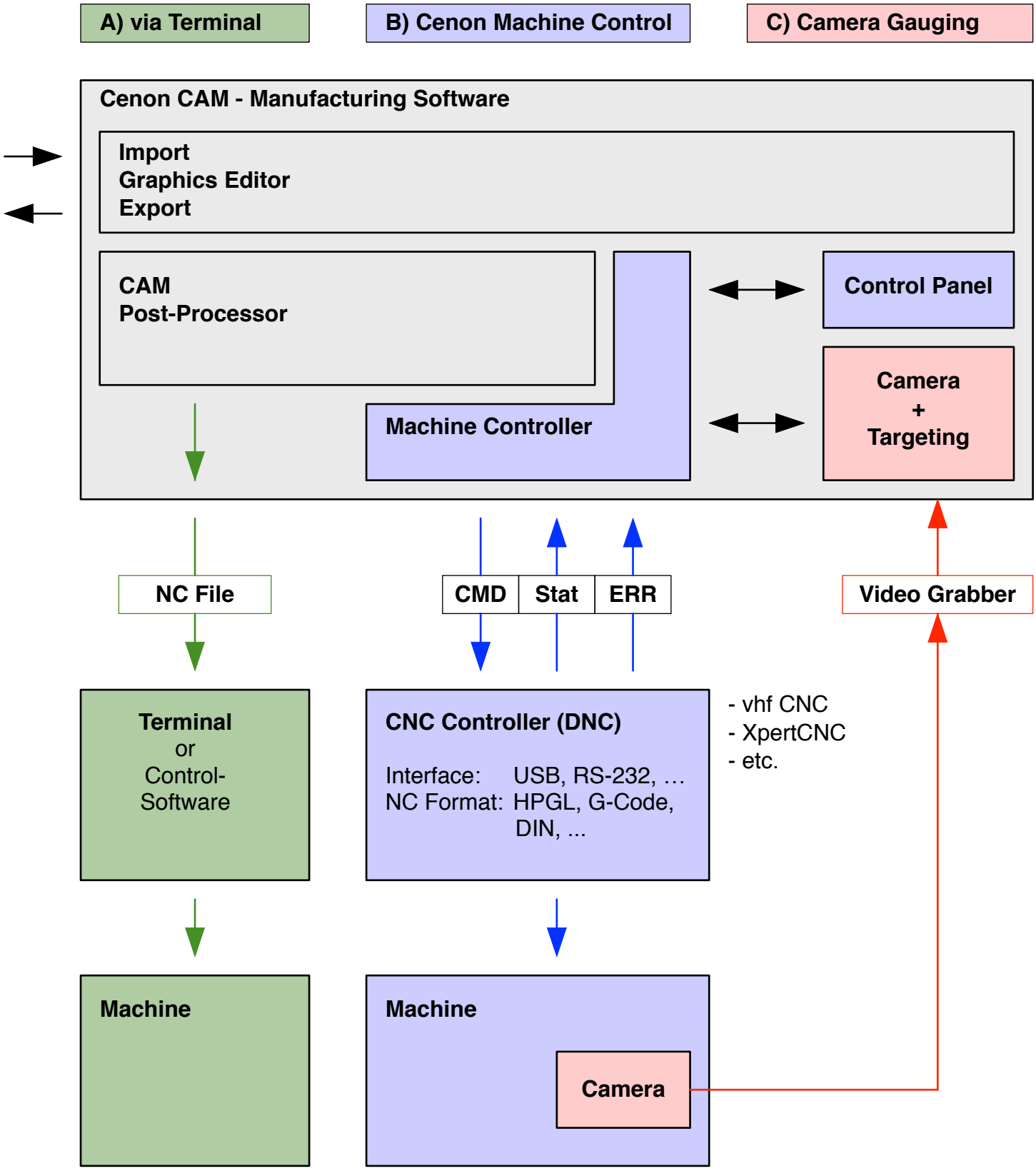
Cenon CAM - Machine Control



- A. Cenon Manufacturing Software: Output to NC file, Machining via Control-Terminal
- B. Cenon Manufacturing Software with direct Machine Control
- C. Optional Camera Gauging (with direct Machine control only)

Cenon CAM - Machine Control

A) Machine Control via Terminal

This is probably the accustomed approach for most of the CNC world.
With Cenon CAM you import and edit CAD or other graphics data, then Cenon prepares the output for the machining.
Cenon offers all it's CAM features for the Pre-Manufacturing stage, like tool radius compensation, contour fill, webs, countersinks, threads, PickOut, relief, PCB (optional), batch production, Preview, Run-Time calculation, etc.
The output is saved to a NC file, which then can be read by a CNC-Terminal or PC CNC-Software for the actual machining.

This approach doesn't allow the direct control of the machine by Cenon, nor is it possible to use Cenon's camera gauging.

B) direct Machine Control from Cenon

Cenon CAM can directly control full standard CNC-Controllers. The CNC-Controller has to be able to understand a command set like G-Codes or HPGL.

Cenon CAM => CNC-Controller => Machine

Additionally it is possible to use a CNC-Software on a PC in Drip-Feed or DNC mode. Cenon CAM can then send the data directly to an interface of the PC.

Cenon CAM => PC CNC-Software => CNC-Output Stage => Machine

C) Camera Gauging

Cenon CAM optionally offers gauging of workpieces, position recognition, as well as positioning via camera.
Since the camera gauging needs to be aware of the machine position for the camera image, this option is only available with a direct control of the machine (B).