

Common Features

High speed:

While the speed with serial interfaces is limited to 9600 or 19200 Bit/s, the transmission speed of networks is usually 10 to 100 MBit/s. Due to the high speed, it is possible to copy the complete job to the machine before cutting. This saves material and time in case of a software crash (Blue screen).

No transmission problems (even with long cables)

While a cable length of more than 30 m, usually causes problems with serial connections, standard network cables can be used for distances up to 300 m. In addition fibre optic cabling systems can be used for distances of several kilometers. The influence of electrical noise (power cables etc.) is also reduced to insure you don't destroy expensive material on your machine from electrical noise.

Repetitive Jobs

Serial transfer requires a new transmission of the cutting job from the software in the case of large jobs. With network connection the user can choose the job from the keypad of the machine. Subdirectories and long file names are supported. If the job is required several times, the user can load the job several times or copy it to the local hard drive. In this case the workstation is not needed to run the repetitive jobs.

Usually the machine is located in the production facilities while the graphic workstation is located in the office. The FlexiCAM user only gets a production list with material description (type and size of material) as well as the required tools. The machine is set up according to the production list and the cutting job is started over the network.