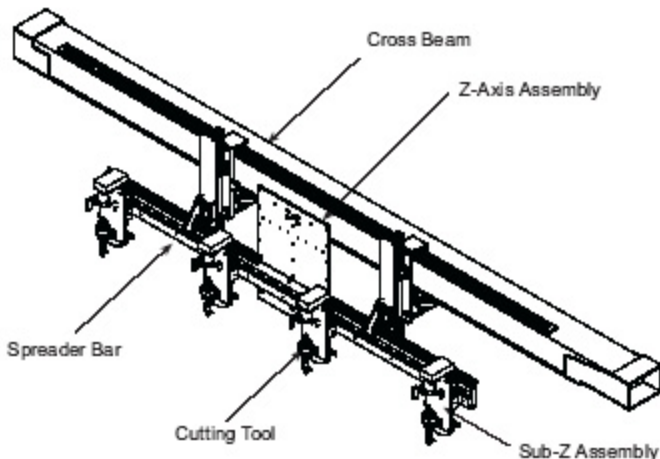


Mounting Tools

Cutting tools (such as the waterjets and abrasivejets) are mounted to the z-axis assembly. Other tools such as drills and rotary cleaning manifolds can also be mounted to the z-axis assembly. Z-packages offer a variety of configurations that specify the number of cutting tools, sub-z assemblies, and spreader bar length (see “Z-Packages” on page 17).



Z-axis The z-axis provides vertical movement of the cutting tools. The vertical movement is typically used to install and remove material. A servo option allows the z-axis to be a third control axis. All tools are mounted to the z-axis assembly.

Sub-Z assembly Sub-z assemblies provide an additional 3 in (76 mm) of vertical travel, individual cutting tools can be raised or lowered. A motor driven ball screw and ball screw nut assembly provide the vertical movement.

Spreader bars Spreader bars allow multiple tools to be attached and positioned anywhere along the spreader bar. Multiple tools allow multiple parts to be cut increasing production. A spreader bar effectively increases the x-axis of the work envelope. A spreader bar attaches to the z-axis mounting plate.