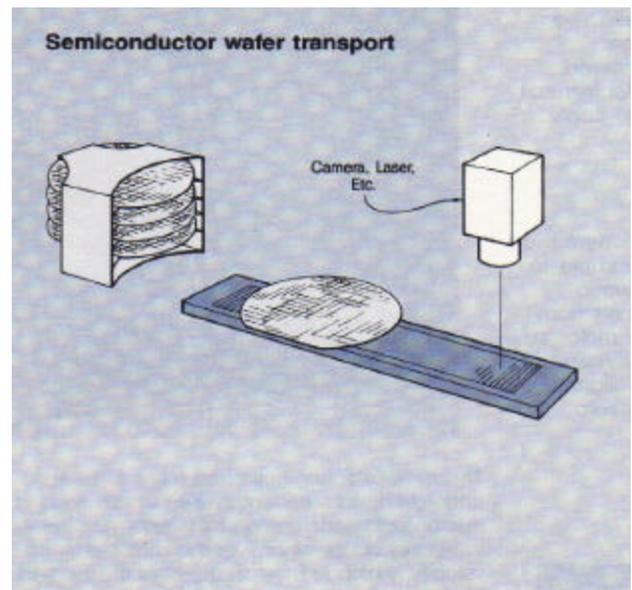
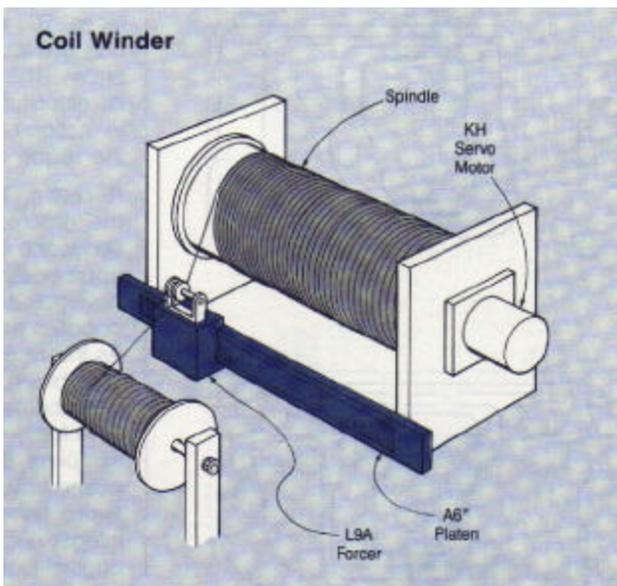


A simple X-Y positioning system is constructed as a gantry with three linear motors. The X-Y motion is controlled with two SI indexers/drivers. For the parallel X axes one SI pulse/direction is used to synchronize it with the linear motor and drive.

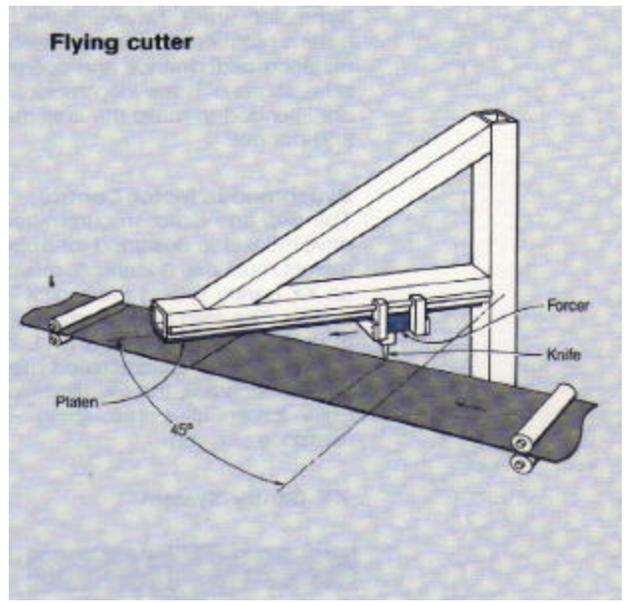
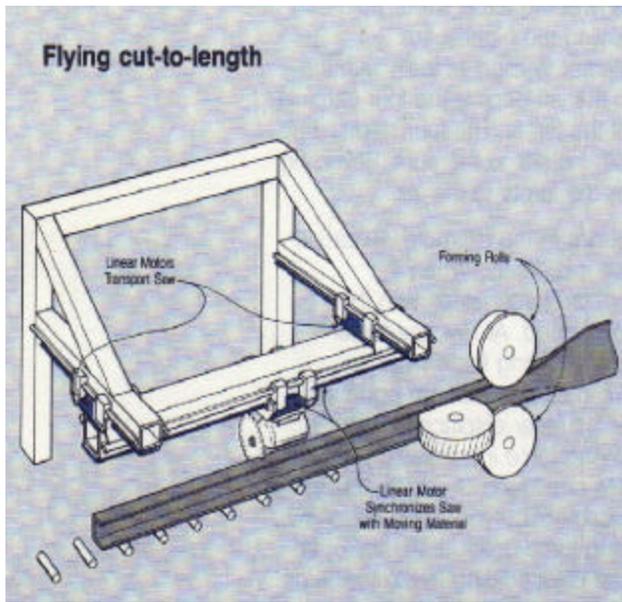
An X-Y gantry is created with three linear motors. Motion controller is used to generate a coordinated pulse stream to IntelLiDrives PDO drivers to generate two-dimensional shapes and to control the flow of glue.

These configurations could also accommodate laser cutters, grippers, end-effectors, print heads, cameras and other assemblies.



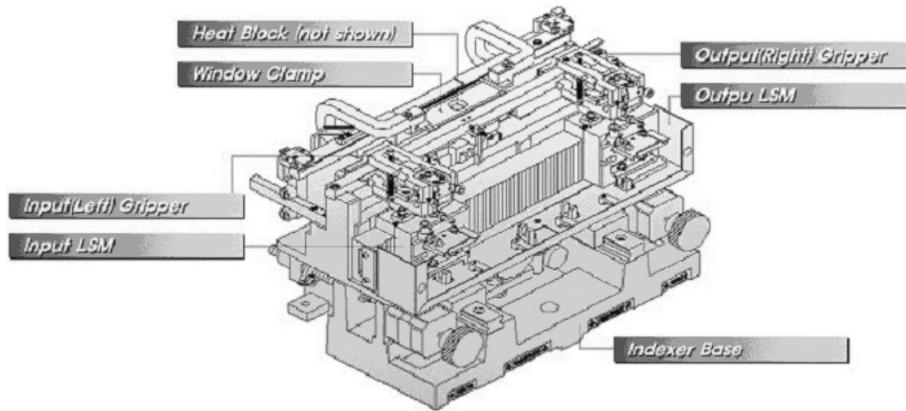
IntelLiDrives linear motor acts as a traverse element to guide the wire. The rotary motor controls drum rotation. Precise position control and mechanical simplicity over a long length of travel are provided in this application.

In this application linear motor acts as a transport for semiconductor wafer. Using IntelLiDrives linear motor offers increased throughput, compatibility with clean room environment and gentle handling of the wafer

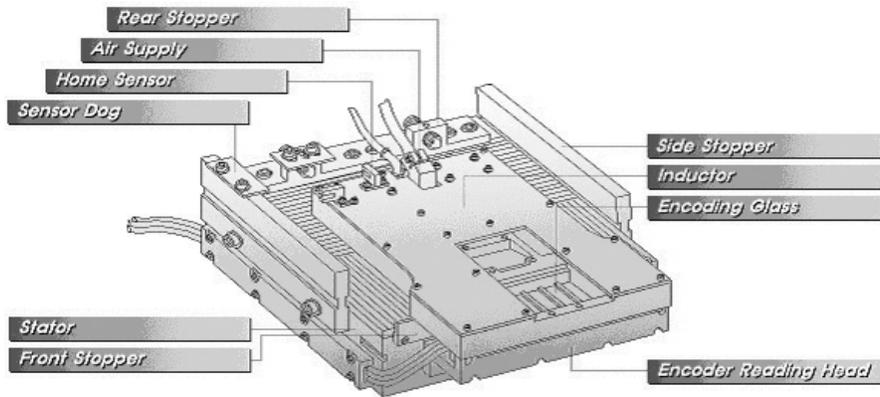


Linear motors (in XY gantry arrangement) carry saw blade to cut material on the fly. Material and linear motor speeds are synchronized to prevent binding of the saw. Saw blade is positioned at the precise spots on the channel to give the desired cut.

With SI indexer synchronizing the linear motor to the speed of the web, the knife can cut the material to exact lengths without stopping the web. Material could be paper, glass, plastic, cloth or metal.



In this material handling system for semiconductor assembly two IntelLiDrives forcers are installed on the same platen. Each forcer carries pneumatic gripper to transport semiconductor device lead frames. This design allows each forcer to operate independently of each other, resulting in high throughput and very compact design



This low profile single plane XY table has three linear motors integrated directly into the table along with air bearing system. XY table is equipped with high resolution 3 coordinate measuring systems (encoders) and allow simultaneous translation (XY) and rotation (theta correction) motions.