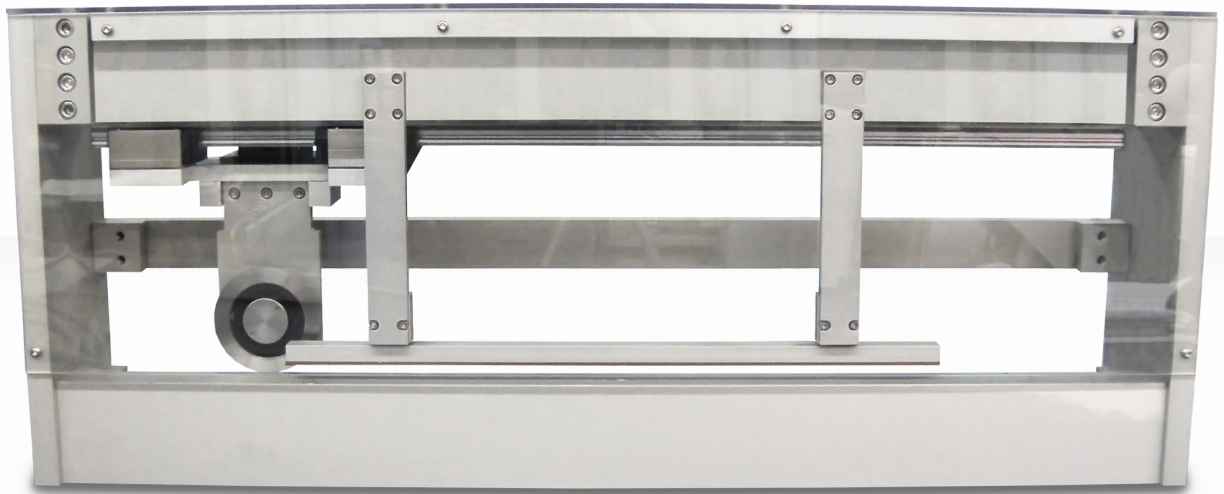


TRAVELING KNIFE ASSEMBLY

TC/TS KNIFE



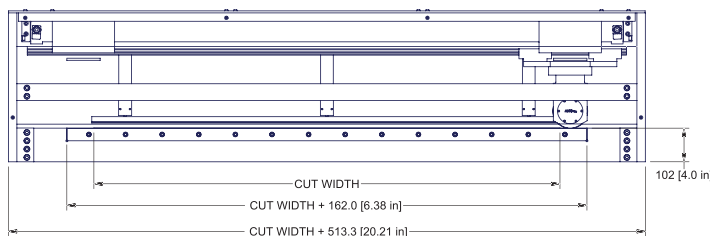
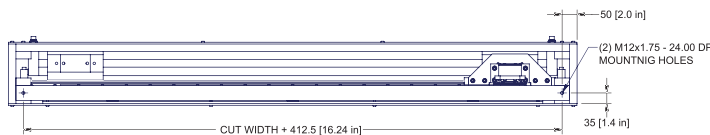
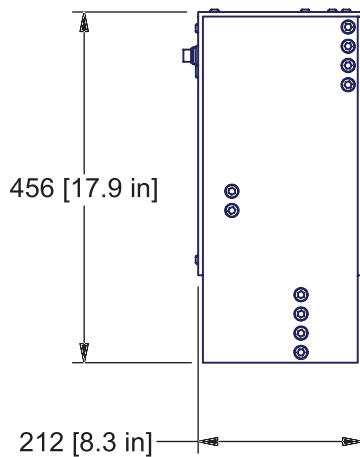
TRAVELING KNIFE ASSEMBLY

TC/TS KNIFE TECHNICAL SPECIFICATION

Solid Models & Video Available Online

This modular knife assembly can be made to any size up to 5.5 m/18' in cut width. It has a rotary shear cut blade which cuts against a hardened anvil. Also available is the crush cut blade, which could be used in place of the shear cut blade for perforating, crush cutting, or score cutting of the material. Two actuators are available, a pneumatic system or a digital electric drive package.

The cutting process starts with the material entering the unit up to the specified length. Then the clamp secures the material in place as the blade travels straight across the web for a clean cut. End-of-stroke sensors indicate when the cut has come to each end, which allows the unit to cut in either direction.



BENEFITS

- Ideal for wide materials
- Comes with mounting holes for easy installation
- Either shear cut or crush cut is possible
- Pneumatic clamp holds the material securely during the cutting process
- End of travel sensors provide feedback to the controller

MATERIALS

- Carbon Fiber
- Extruded Material
- Felt
- Film
- Filter Media
- Foam
- Foil
- Gaskets
- Laminates
- Magnet Material
- Medical Devices
- Mesh
- Metalized Film
- Nonwovens
- Pads
- Paper
- Plastic Materials
- PTFE
- Rubber
- Shrink Tubing
- Tape
- Thin Gauge Metals
- Velcro-Like Materials

SPECIFICATIONS

- Cut widths up to 5.5 m/18'
- Estimated cycle time for a 1524 mm/60" pneumatic traveling knife is 1.5 seconds/cycle (depends on pneumatic system)
- The pneumatics version needs 30 - 60 psi (2 - 4 bar)
- The electric version can be supplied with either a step or servo motor drive, with or without the motor driver package

OPTIONS

- Several options of crush cut patterns can be provided along with a score-cut cutter, which is pneumatically pre-loaded down to a precision depth
- Different motor drive packages with motor controllers
- Different types of NPN or PNP sensors for end of stroke sensing and clamp down sensing if required
- Frame Slitter station
- Roll feed for indexing material
- Takeaway conveyors for after the material is cut
- Complete integrated machines including this module
- Perforating blade option



WARNING:

EQUIPMENT MUST BE GUARDED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS



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