



CONTACT HEIGHT SENSOR

With Jet Edge's Contact Height Sensor, you can overcome significant fluctuations in material flatness by maintaining a constant automatic standoff within 0.040" (1mm) of your set standoff height. As a result, you will achieve optimum cut quality, tolerance, taper and speed without having to monitor the standoff.

Jet Edge's Contact Height Sensor senses directly around the nozzle so the information is as close as possible to the nozzle location. The sensor arm can either ride on the plate or have infinite programming for the time it is in contact and raised. This gives you complete control over how you want the height sensing to work for your application.

Jet Edge's AquaVision Di controller software also provides feature avoidance for the Contact Height Sensor. This protects the height sensor and cutting head by automatically providing a tool path that will not allow the cutting head to pass over a previously-cut part which can tip up after being cut. The software can be configured for up to four heads to be controlled independently.

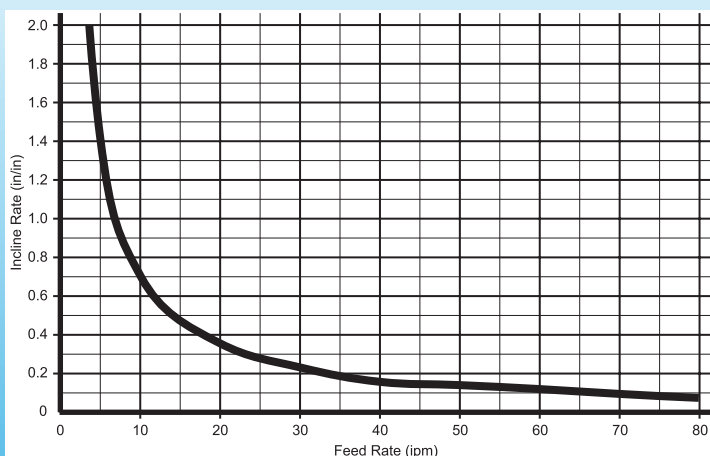
Jet Edge's Contact Height Sensor is compatible with the Permalign abrasivejet cutting head. It is a factory-installed option.

Parameter	Specification
Displacement Transducer	Linear Potentiometer
Displacement	2 in (50 mm)
Conditioner	0 - 10 Vdc Output
Pneumatic Cylinder	Double-acting, 2 inch (50 mm) stroke
Contact Force	2 lbf (0.9 kg)
Air Supply	60 psi (4 bar) minimum

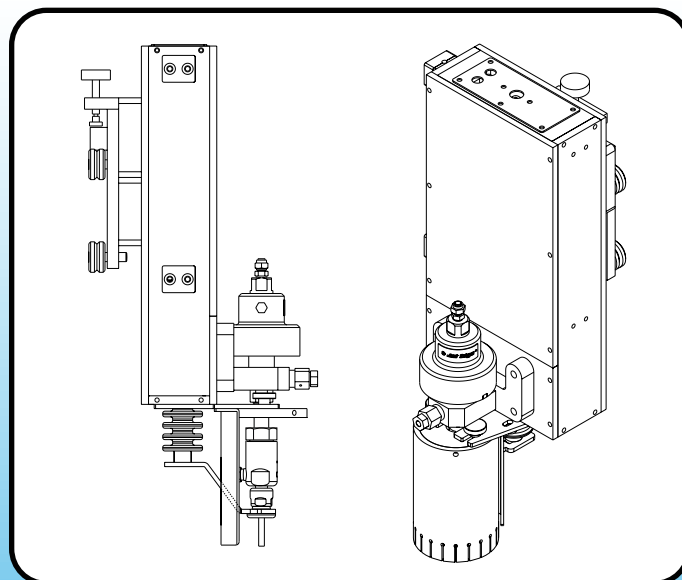
Dimensions	
• Height	21 in (535 mm)
• Width	9 in (230 mm)
• Depth	3 in (77 mm)

Performance

The following chart shows the relationship between the feed rate and the incline rate capability of the contact height sensor.



Incline Rate vs. Feed Rate Chart



Specifications subject to change.

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