

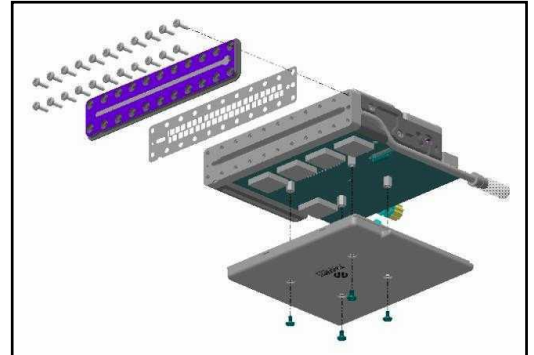


Did you know....?

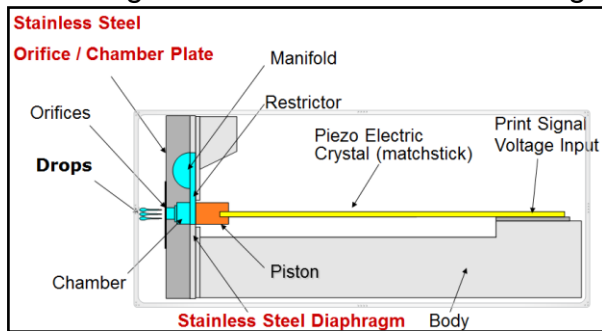
DUK 6: Trident Engine Long Service Life & Low Maintenance Costs

Did you know? that Diagraphs Impulse Jet print heads with Tridents repairable print engines have the:

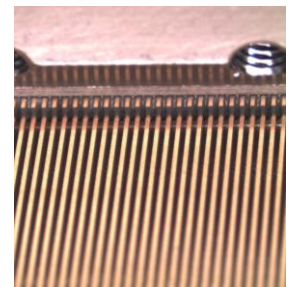
- Longest service life
- Best cost of ownership
- Lowest repair costs?



Long life by design. Unlike competitors throw away engines, Tridents print engine is designed with serviceability and long life as the goal from the very start. The print engine is designed for easy disassembly to allow cleaning and maintenance. Trident engines use stainless steel orifice



plates that are highly resistant to wear and are easily cleaned. Competitors typically build their orifice plates from kapton, a plastic material that is inexpensive to make but has poor wear resistance. Any cleaning process that involves rubbing the Kapton to remove debris buildup inadvertently causes wear and reduces the print



Piezo actuators

head life! The only moving parts in the Trident print engine are the piezo actuators which when “fired” push the ink out of the nozzles. Trident piezo design has been lab tested in excess of 90 billion firings and customers with print engines over 10 years old are estimated to exceed 400 billion cycles. Competitors published data estimates piezo lifetimes of 25 billion. Trident enjoys an advantage of over 10:1!

Best cost of ownership. Long service life is an advantage in itself because the capital cost can be spread over a longer service period. When Diagraphs’ longer service life and lower cost of maintenance is compared to the higher cost of replacing competitors’ non repairable print heads, the savings are obvious!

Lowest maintenance requirement. Designed to be easily maintained, Tridents engine has inherently lower repair costs. Highest quality materials insure reparability, boost performance and minimize equipment failures leading to maintenance costs.

Diagraphs’ impulse jet print heads with superior Trident print engines provide the industries best printing solution with the longest service life, lowest cost of ownership and minimal maintenance requirements.

