



The Myth of Multiple Nozzles: Busted

There is no advantage using multiple injection nozzles vs. a single Cushman Engineering injection nozzle.

- Multiplication of injection nozzles does not change the cell count per linear unit.
- Nozzle multiplication does not change the amount of energy being imparted into the mix chamber via the isocyanate stream.
- It is impossible to balance multiple injection nozzles which are piped in parallel circuit; i.e., simultaneous opening and equally divided flow.
- This little video demonstrates the difficulty of balancing the flow even when the spray plumes can be seen. Imagine what is going on inside your mixing chamber where the spray plumes cannot be seen.