



OPENING SHOT

Jack Champaigne | Editor | *The Shot Peener*

Product Evolution

I remember my first and second generation MagnaValve and the companion FC controller from a very long time ago. Now, I look at our new model 600 series MagnaValve with built-in servo and wonder, “How did this all happen?” The answer: Five decades of progress and a great group of engineers working hard. The performance of the new model 600 series valve is outstanding. No longer tethered to the FC controller’s servo feature, there can be an unlimited number of valves connected to the customer’s PLC. The addition of the LCD (liquid crystal display) is like the cherry on top of ice cream. This gives the operator (or maintenance person) a quick view of the set point, the actual flow rate, and the servo output. My how times have changed.



1st Generation



2nd Generation



Model 600

Product Development (Page 18)

I was intrigued by a US Patent (US 8,375,757 B2) assigned to Sintokogio involving the addition of a sensor (i.e., microphone) onto a peening nozzle. This concept was an update to two of their earlier patents on peening intensity (US patent 5,113,680 and US 6,640,596 B2). The big difference is the newest model provides continuous monitoring of peening intensity as opposed to the “look-aside” techniques of their earlier units.



US Patent 8,375,757 B2



US Patent 5,113,680



US Patent 6,640,596 B2

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