

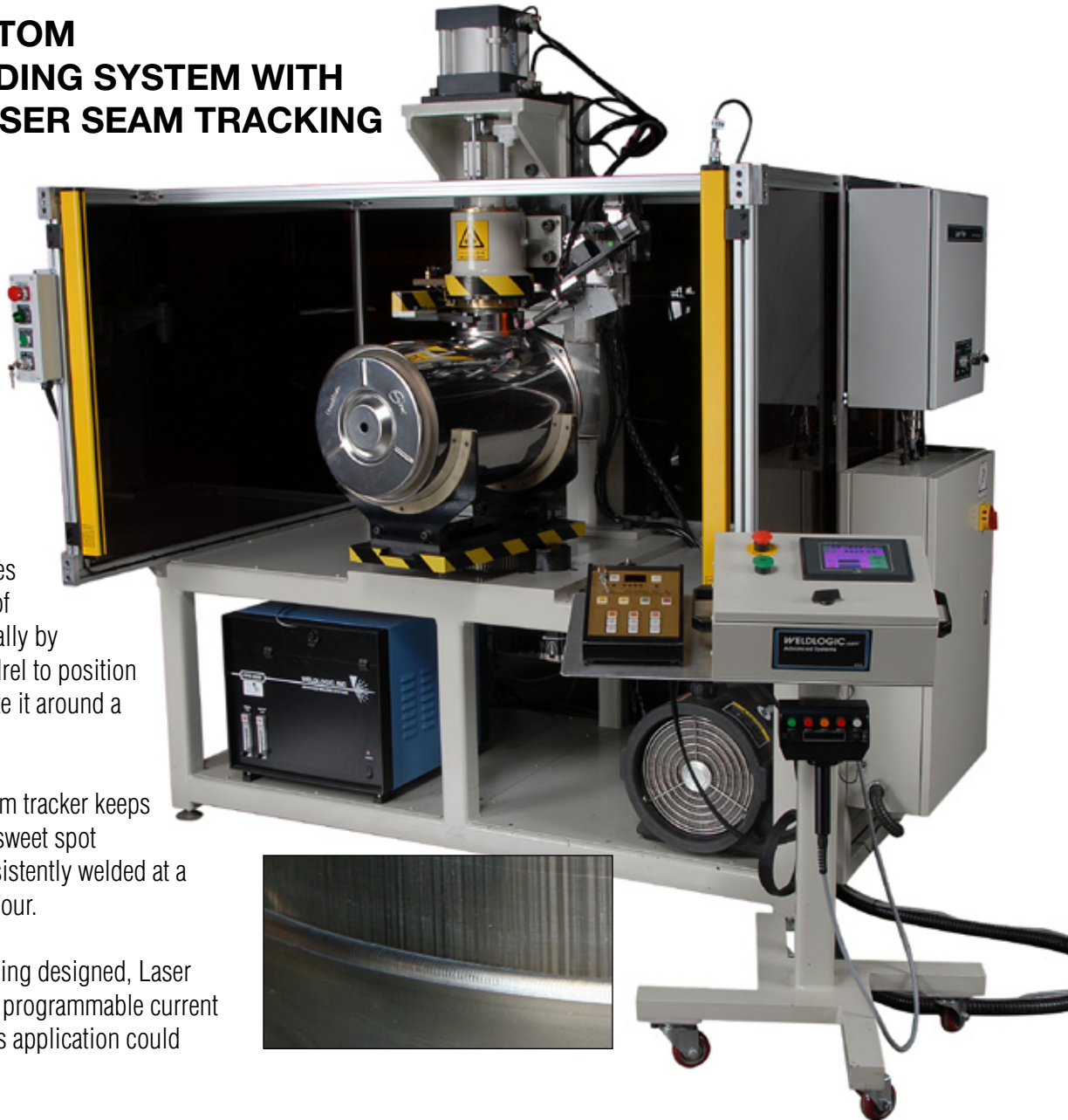
## AWS-200 / CUSTOM VERTICAL WELDING SYSTEM WITH AUTOMATIC LASER SEAM TRACKING

This AWS-200 Tig welding system was custom designed and manufactured by Weldlogic engineering to enable a sheet metal extension tube to be welded onto a sheet metal Semi-Truck air filter assembly.

This unique machine enables a lap seam fusion welding of polished 304 SS automatically by expanding an internal mandrel to position the filter assembly and rotate it around a fixed center.

The Tig torch with laser seam tracker keeps the Tig torch exactly in the sweet spot enabling the part to be consistently welded at a rate of about 50 Parts Per Hour.

Without the specialized tooling designed, Laser seam tracker and AWS-200 programmable current and arc distance control this application could never have been feasible.



### Weldlogic System Components:

**AWS-200 Advanced Welding System**

**Arc Voltage Control**

**Custom Built Work Station**

**PLC Controlled System Sequencing**

**Remote Pedestal console**

**Light Curtain / U.V. Arc Shield**

**Custom Vertical Part Cradle**

### APPLICATION:

**Semi-Truck filter body extension tubes**

### MATERIALS:

**304 SS bright Annealed**

### REQUIREMENTS:

**Leak tight, cosmetically clean**

**No part scratching**

