

# V HEAD

## DESIGNED FOR ADVANCED WELDING TECHNOLOGIES

At its core, the V Head has all the features necessary for full-function orbital welding. Its rigid construction and precise motion facilitate a higher degree of arc control than conventional systems. The platform enables hands-free, automated welding technologies, including joint tracking and adaptive welding.



Hands-off Automatic GTAW Welding



Position Feedback on All Axis



Commercial off The Shelf Tracks



Wide Range of Pipe Sizes



Extensive Catalog of Configurations

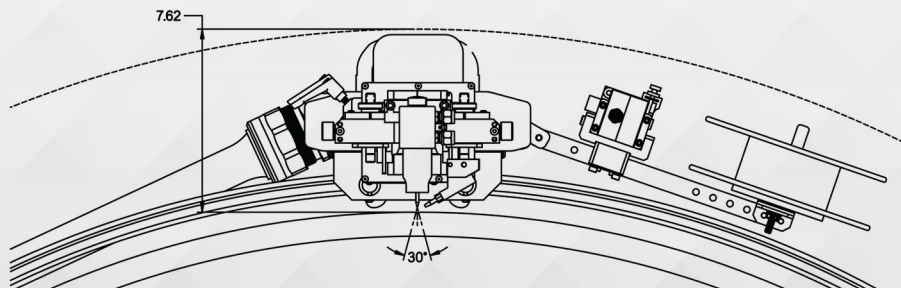
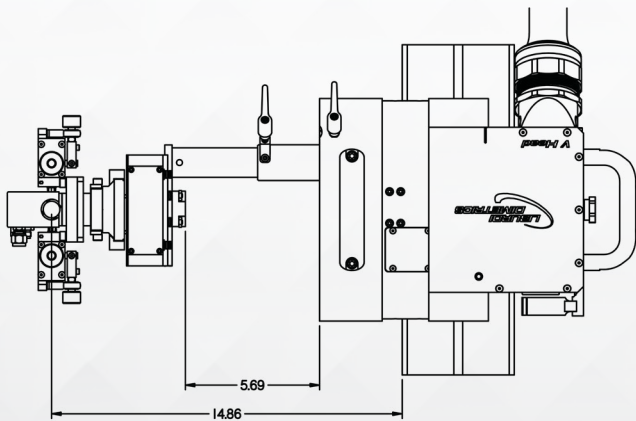
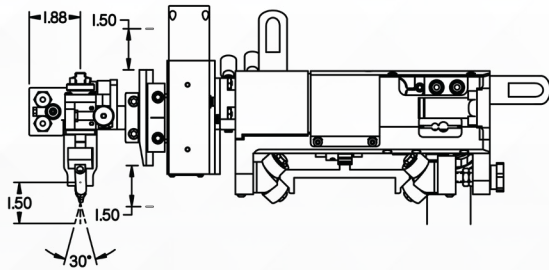
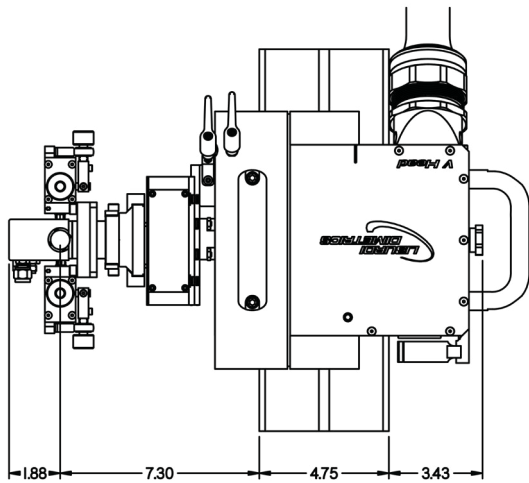


Rigid Design for Precise Torch Control



Commercially Available Consumables





## Specifications

- Travel speed: 0 to 20IPM [0.5m/min]
- Arc Voltage Control (AVC) stroke: 1.5" [38mm]
- Manual vertical torch adjustment: 3.5" [89mm]
- Torch oscillation/steering stroke: 1.9" [48mm]
- Telescoping torch extension: 0" to < 6" [152mm]
- Torch tilt, lead/lag: +/-15 degrees
- Torch tilt, in/out: +/- 15 degrees
- Cable Length: 35ft [11m]
- Weight: 35lbs [16kg] (without cable or wire)
- OD welding range: 6" [152mm] to infinity (straight track)
- ID welding range: 28" [711mm] to infinity (straight track)
- Wire size range: 0.030" [0.8mm] to 0.062" [1.6mm]

## Features

- Wire Feeders: 100IPM [2.5m/min] or 400IPM [10m/min], single or dual
- Wire Spools: 4" or 8", single or dual
- Wire Nozzle Adjustment (up/down, left/right): manual or motorized

## Options

- Multiple Front End configurations (conventional, narrow groove, adaptive)
- Hot Wire (requires Gold Track™ with Hot Wire Option)
- Weld Monitoring Cameras
- ID Adapter Kit
- Wire Straightener
- Extension Cables
- In-process NDT