

# WELDPRO 360°

PATENT PENDING

## HI-PRODUCTIVITY WELDING SYSTEMS

Increase Arc Time 15 - 30%

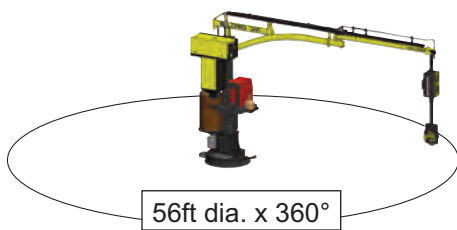




## Advanced Mig Welding System

The WELDPRO 360 Mig Welding System is a comprehensive welding boom, designed to minimize non-arc time activities. Arc-On time gains of 30% or more are being achieved by minimizing—and in some cases eliminating—the time wasting activities that are typical to most welding operations. When you can eliminate or reduce the time spent walking back and forth to make weld adjustment settings, or to reposition the welding apparatus or fume extraction system to reach a new location, you become more productive.

This design is built around the concept of placing all welding apparatus on the boom structure, allowing for un-tethered rotation. It incorporates a vertical supporting column with a large diameter, base-mounted bearing.



There are two boom arms, a primary boom arm and a secondary arm. The secondary arm connects to the primary arm with a double-articulated joint arrangement, thus allowing the operator pendant to fold back toward the base, which eliminates dead zones common to other designs. All welding equipment: power supply, feeder, controller, inert gas, welding wire and optional fume extraction, are mounted on the boom column or arms. The entire weld boom rotates past 360 degrees—that's right, it keeps on going—providing complete welding access and coverage anywhere within a 56 Foot [17 Meter] circular area.

There are No dead zones: No wasted time dragging the welder around; No tangled or cut cables; and No clutter on the shop floor. Safety is improved and productivity soars! The WELDPRO 360 Mig Welding System is a productivity-enhancing leap forward in Mig welding applications.

## Advanced System Controls



Key to any machine tool is the operator interface. The WELDPRO 360 places all operator controls in a durable operator pendant and places it within quick, easy reach of the weld operator. As the boom rotates to a new welding location, so does the pendant. The operator pendant—and its location—is key to the control and operation of the system. It houses all welding controls, boom functions, and optional fume extraction controls for weld center operation. This puts complete system control within arm's reach of the operator. Where he goes, it goes. This fingertip accessibility saves time, by allowing the operator to just reach over and change the weld settings, or rotate the weld boom into position. Weld procedures are better followed and weld consistency and quality improves.

## Advanced Process Welders



The WELDPRO 360 integrates state-of-the-art Advanced Process Welders from leading manufacturers. These remarkable machines provide for remote controller and feeder location separate from the power supply; and they deliver unsurpassed control of the welding process. The digital control interface gives fine process controls and programmable settings, enabling every operator to achieve superior welds. These machines allow management to take control of the welding process, resulting in unsurpassed repeatability—part to part, operator to operator and job to job.



Gone is the time spent going back and forth to the controller trying to dial-in weld settings. Figure it out once, lock it into the memory, and with the push of a button, the operator has the proper weld parameters to do the job, repeatable every time. This repeatable consistency is a huge productivity enhancer.

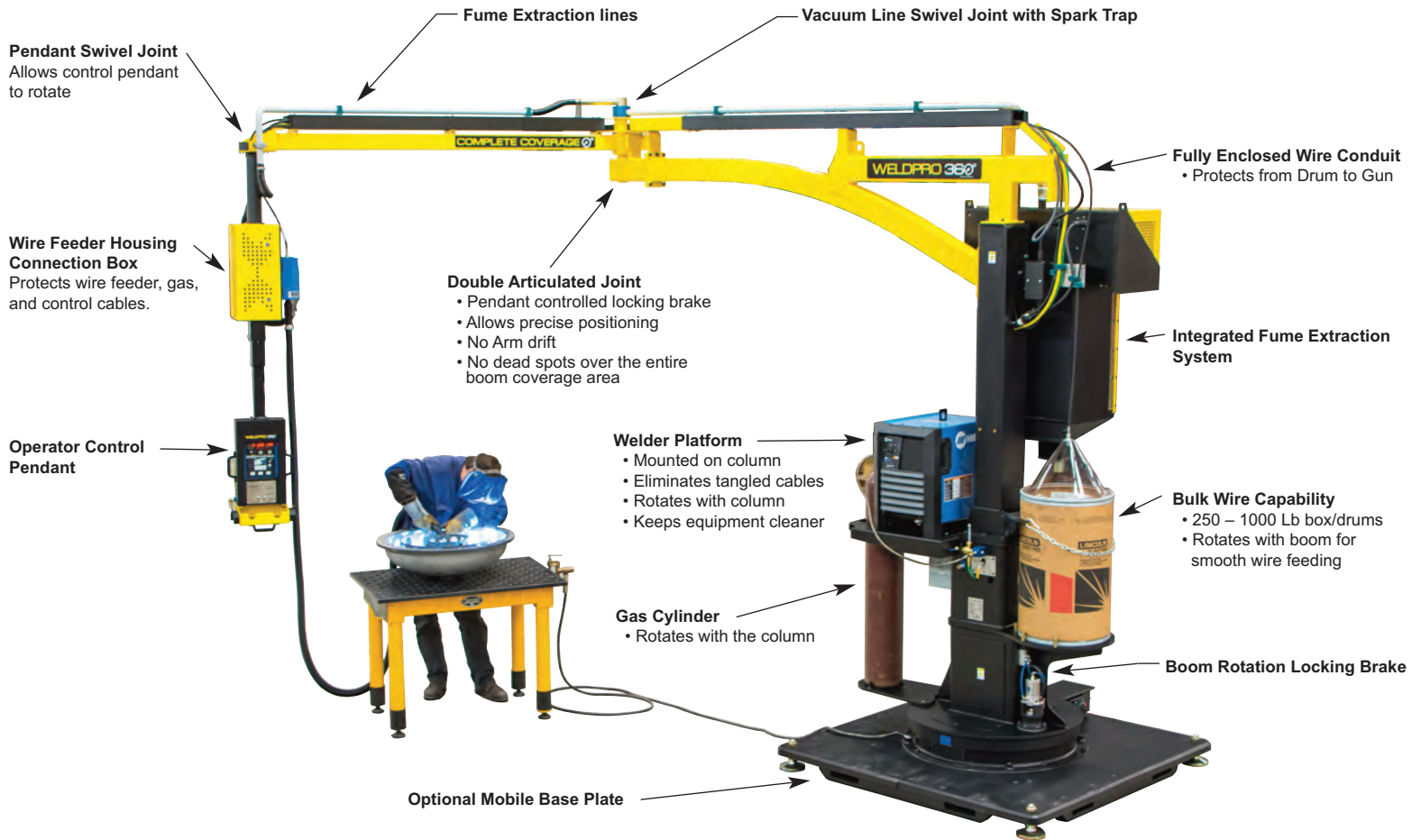
## Improved Weld Quality

Pulsed Mig is one of many weld process capabilities, available with advanced process welders. And it often results in minimized distortion, excellent weld profile and reduced weld spatter. This means you spend less time chipping, grinding and cleaning up the part after the welding is done. Additionally, there is often a benefit of increased weld deposition rates and reduced fume output. Faster welding and a healthier environment for the operator are direct results that deliver a more profitable work center.



# WELDPRO 360-UR

## Unlimited Rotation Mig Welding System

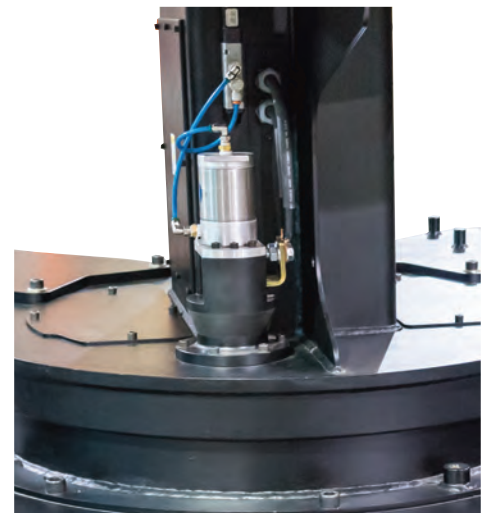
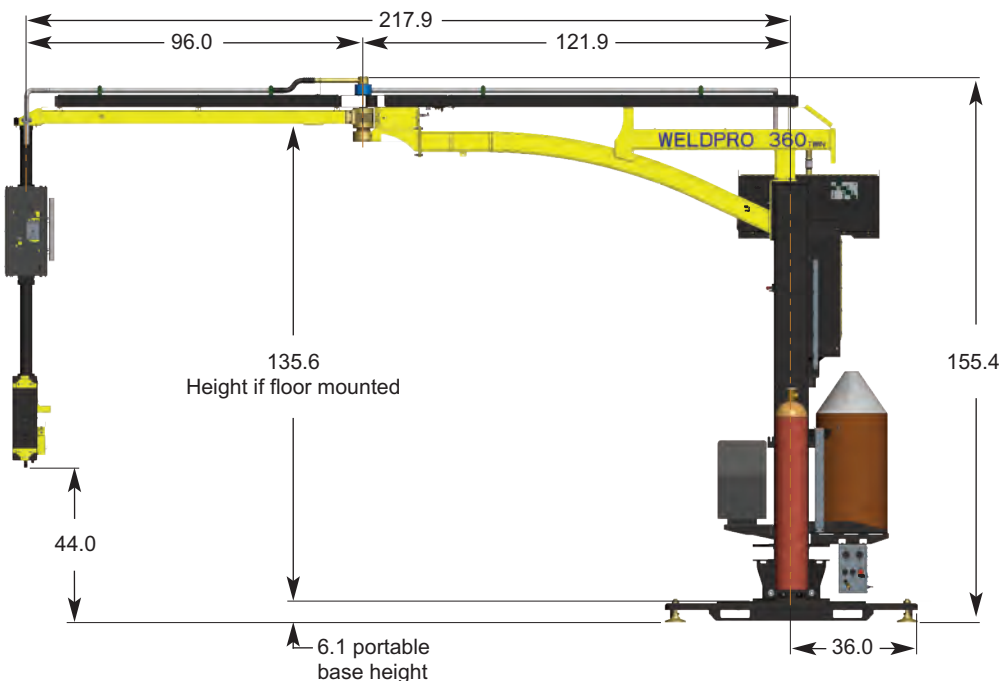


The WeldPro 360-UR is an Unlimited Rotation Boom. It provides continuous bi-directional rotation, meaning you can go around and around in a circle without having to unwind. The continuous rotation is made possible through the

use of a slip-ring for power distribution and a rotary union for shielding gas and shop air distribution. This model has NO location limitations it can be placed anywhere in the welding bay. This means you can weld anywhere within a 56 foot

diameter with NO limitations, NO dead zones, NO cables or hoses on the shop floor other than the ground cable.

Available in single and twin arm configurations.

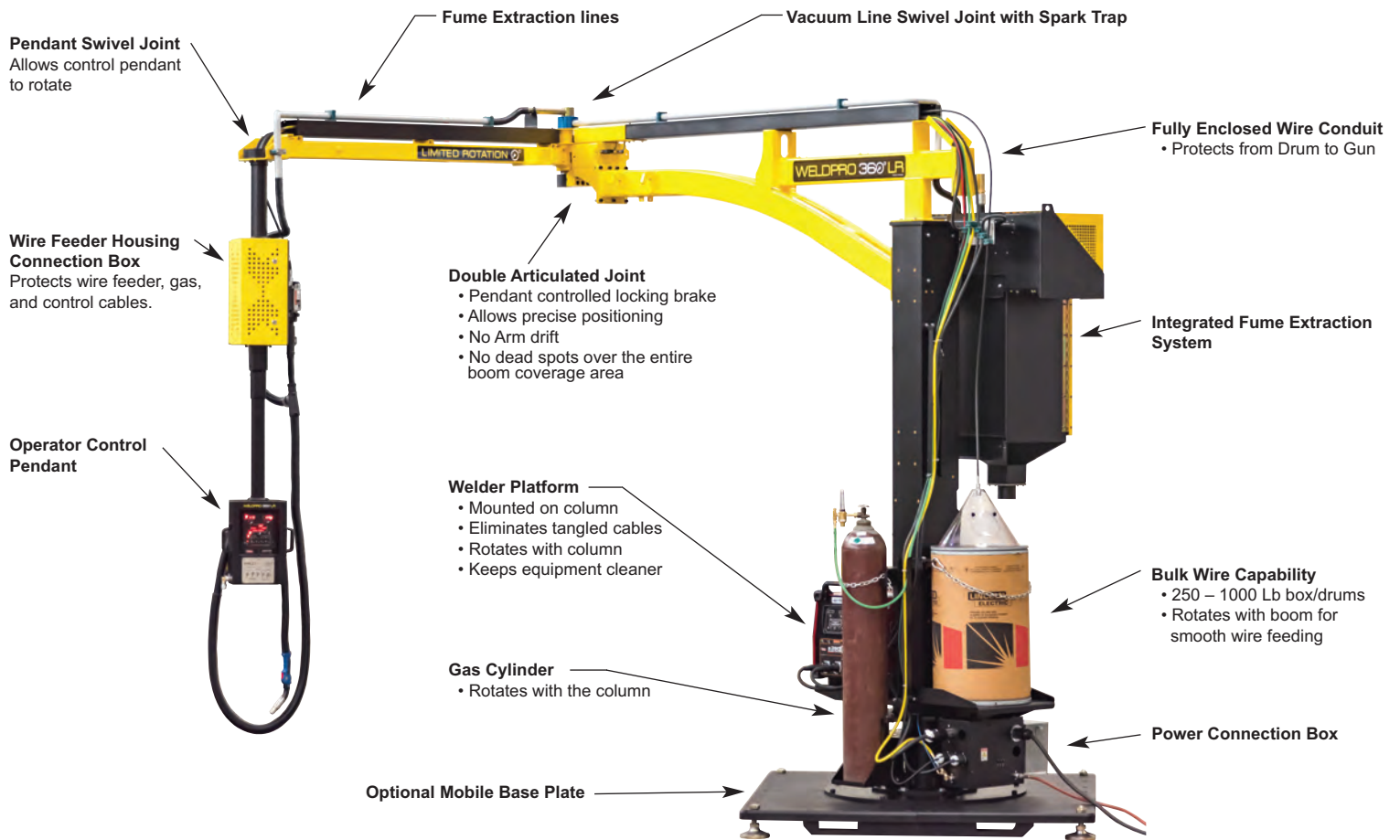


**Boom Column rotation locking brake**  
Position and locks boom – No Drift!



# WELDPRO 360-LR

## Limited Rotation Mig Welding System



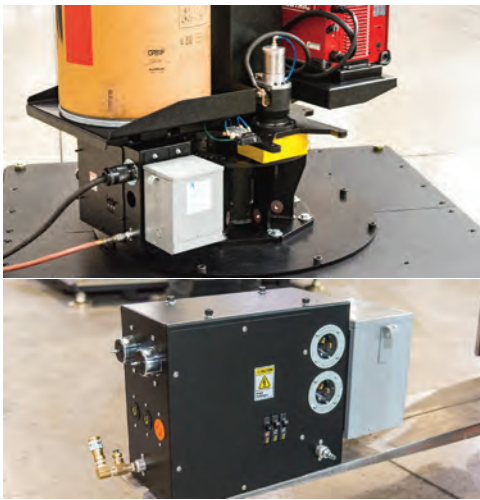
The WeldPro 360-LR is a Limited Rotation Boom. It provides 180-220 degrees of non-continuous, bi-directional rotation. Its not-continuous and is limited because it does not have a slip-ring or rotary union like the 360-UR model. It is only

limited to the 180-220 degrees of rotation due to the power supply cable and shielding gas line wrapping around the boom column as it is rotated.

NO dead zones, NO cables or hoses on the shop

floor other than the ground cable.

Available in single and twin arm configurations.



### Power Connection Box

- Provides one connection point for power and shop air
- Reduces installation time and cost



### Operator Control Pendant

- Contains all controls in one optimal location for:
- Heavy-duty machine tool quality
  - Boom rotation and locking
  - Secondary arm rotation and locking
  - Weld procedure adjustments and settings
  - Fume Extraction



### Boom Column rotation locking brake

Positions and locks boom – No Drift!

# WELDPRO 360-URT

## Unlimited Rotation Twin Arm Mig Welding System

**Pendant Swivel Joint**  
Allows control pendant to rotate.

**Fume Extraction lines**

**Vacuum Line Swivel Joint with Spark Trap**

**Wire Feeder Housing Connection Box**  
Protects wire feeder, gas, and control cables.

**Double Articulated Joint**

- Pendant controlled locking brake
- Allows precise positioning
- No Arm drift
- No dead spots over the entire boom coverage area

**Integrated Fume Extraction System**

**Fully Enclosed Wire Conduit**

- Protects wire from Drum to Gun

**Bulk Wire Capability**

- 250 – 1000 Lb box or drums
- Rotates with boom for smooth wire feeding

**Welder Platform**

- Mounted on column
- Eliminates tangled cables
- Rotates with column
- Keeps equipment cleaner

**Boom Rotation Locking Brake**

### 24" Touch Screen Monitor

- View documents and files - PDF's, CAD drawings, Video, Pictures, Job Instructions, Routers for Components, Weldments and Assemblies
- Able to enlarge document for better viewing
- Eliminates lost or missing drawings or files
- Always have latest Revision

### Data Collection

Advanced Process welders also include tracking software that provides management with actual welding data in real time through your network or the cloud. Available information includes data such as: actual arc-on time, voltage, wire feed speed, pounds of wire used, etc. Engineering and Quality-Control personnel are assured welds were made correctly and management will have costing information for each weldment.



### Operator Control Pendant

Contains all controls in one optimal location for:

- Heavy-duty machine tool quality
- Boom rotation and locking
- Secondary arm rotation and locking
- Weld procedure adjustments and settings
- Fume Extraction



# WELDPRO 360 Mig Welding System Options

## WELDPRO Clean Air Fume Extraction System



The WELDPRO 360 offers an optional, integrated Clean Air Fume Extraction System. This boom-mounted system provides for fume extraction at the source and moves with the weld operator. In small or large weldments, fume extraction is often difficult to incorporate in a highly productive way. In many environments, fume extraction actually



hinders productivity, wasting time repositioning the extraction equipment. The integrated Clean Air system on the WELDPRO 360 utilizes a Low Volume/Hi-Vacuum system that extracts the fumes at the gun. Wherever the gun goes, the fume extraction goes, anywhere within a 56' circle. Efficient fume extraction is accomplished, with no

### Integrated Fume Extraction System

- Rotates with the boom
- Delivers powerful fume extraction at the gun over the full boom travel
- No equipment to drag around
- All controls located on control pendant
- Merv 15 filtration with pulse cleaning increases filter life
- Increases employee health, safety and productivity

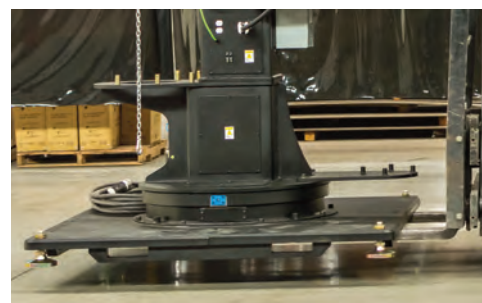


wasted time spent positioning equipment that is almost always in the way and cluttering up the workspace. Safety improves and productivity increases. This provides the operator with maximum protection and safety and enables them to focus on quality and productivity.

### Mobile Base Plate



The mobile base plate option provides for quick re-location of the weld boom, it comes with built-in forklift pockets and adjustable leveling mounts. This option makes it easy to move the WELDPRO 360 throughout the shop as needs change.



## PRODUCTIVITY ADVANTAGES

- All the tools for complete welding operation control
- Welder and boom rotation controls within arms-reach of the operator
- Reduces time spent on non-welding activities
- Increases productivity and welding output
- Increases part-to-part consistency and quality
- No welding dead zones
- Eliminates shop floor clutter
- Increased safety
- Boom mounted fume extraction moves with the operator, capturing fumes at the source, improving operator health, safety and productivity.