

## PRODUCT

# Spin Welders

ADESCOR Control Systems allow for simple data setup for each pipe, resulting in rapid, repeatable size changes and ease of operation.

## KEY INFORMATION

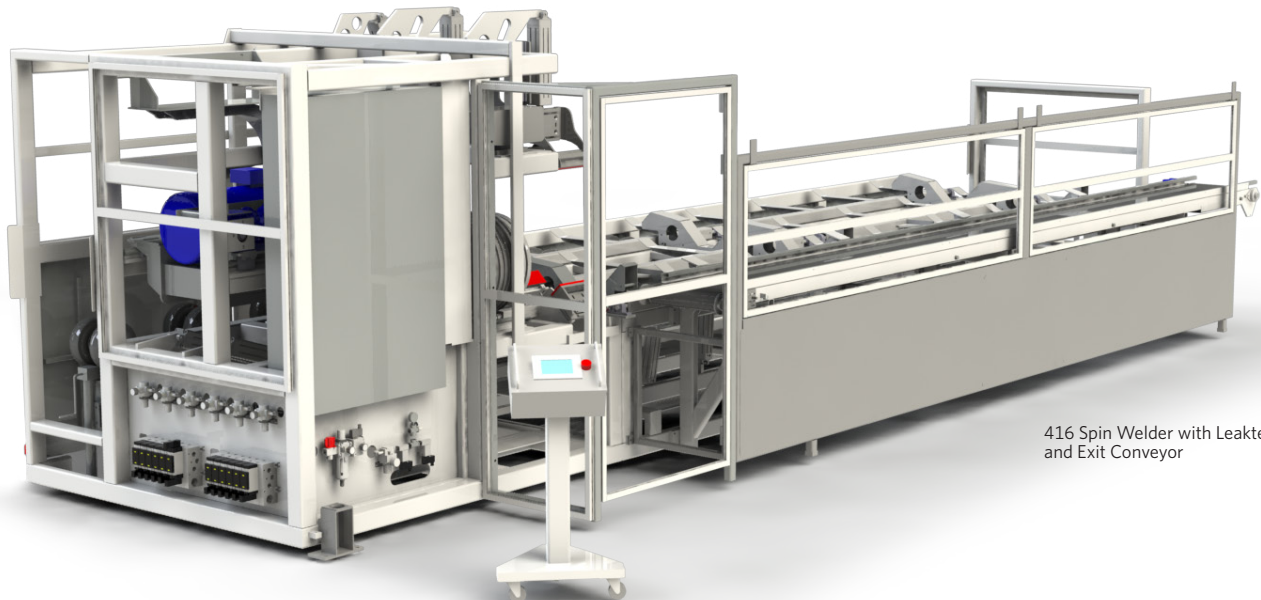
ADESCOR offers machines that can be designed to perform face welding or outside diameter welding.

For smaller sizes, a two-headed machine allows double production capacity. This can be for your product needs, or for packaging finished coupling pipes at opposite ends of the pipe crate without the need for a rotator. This also allows for higher production speeds and is easier on the machinery.

ADESCOR offers the capability to weld a coupler to the outside diameter of the pipe, to the smaller inside diameter of the coupler, or to weld the vertical flange of the coupler to the inside vertical flange of the pipe corrugation. Depending on the individual machines they are fully automatic or semi-automatic. Machines are user friendly for fast changeovers and easy control with the HMI Touch Screen control. Potential weld leaks are identified through an optional Air Leak Detection Test.

## FEATURES

- 50mm to 1000mm pipe diameter
- Cycle times as fast as 20 sec.
- Double production volume using double opposing head machines
- Optimum pipe alignment during welding process
- Ease of pipe diameter changeover



416 Spin Welder with Leaktester and Exit Conveyor

ADESCOR is committed to designing and building efficient machinery for the most demanding manufacturer. Our equipment meets the highest criteria for reliability and performance worldwide. The ADESCOR design team will assist you in determining if a standard design will meet your requirements or if one of our custom design solutions is needed.



ADVANCED DOWNSTREAM EQUIPMENT SPECIALISTS

**Adescor**

PRODUCT

# Spin Welders

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TECHNICAL SPECIFICATIONS

MODEL NUMBER	34 OD-DH-A	410 FW-SA	210 OD-A	416 FW-SA	1536 FW-SA	1240 OD-A
Pipe Diameter (Inside Diameter Range)	75mm - 100mm	100mm - 250mm	50mm - 250mm	100mm - 400mm	375mm - 900mm	375mm - 900mm
Pipe Diameter (Maximum Outside)	115mm	300mm	300mm	475mm	1100mm	1200mm
Minimum Cycle Time	20 sec (2 pipes)	30 sec	25 sec	40 sec	120 sec	110 sec
Centerline Height (Min.)	1.22m	1.02m	1.00m	1.34m	1.22m	1.95m
Height of Machine (At Min. Centerline Height)	2.00m	2.26m	2.29m	3.06m	2.75m	3.66m
Length	5.64m	3.30m	8.38m	5.84m	3.92m	11.33m
Width	2.00m	0.93m	1.91m	2.41m	2.82m	3.39m
Automatic Pipe Handling	Yes	No	Yes	Yes	No	Yes
Automatic Coupler Loading	Yes	No	Yes	Yes	No	Yes
Pneumatic Pressure Requirements	6.2 bar (90 psi)	6.2 bar (90 psi)	6.2 bar (90 psi)	6.2 bar (90 psi)	6.2 bar (90 psi)	6.2 bar (90 psi)
Electrical Power Requirements	400/ 480 Volts 3-phase 60 amp	400/ 480 Volts 3-phase 60 amp	400/ 480 Volts 3-phase 45 amp	400/ 480 Volts 3-phase 60 amp	400/ 480 Volts 3-phase 150 amp	400/ 480 Volts 3-phase 125 amp

ADDITIONAL INFORMATION

Other diameter ranges and configurations are available, and we can custom design a machine for your specific needs.

The ADESCOR Pipe and Coupler Clamping System ensures optimum pipe to coupler alignment during the welding process. Manual or fully automated Pipe Handling Systems that convey and position the pipe for the welding process are available.

Operator controls include a Touch Screen and a PLC (industrial computer) that controls both the manual and automatic machine functions.

Most installations take 2-4 days for machine setup and operator training.