

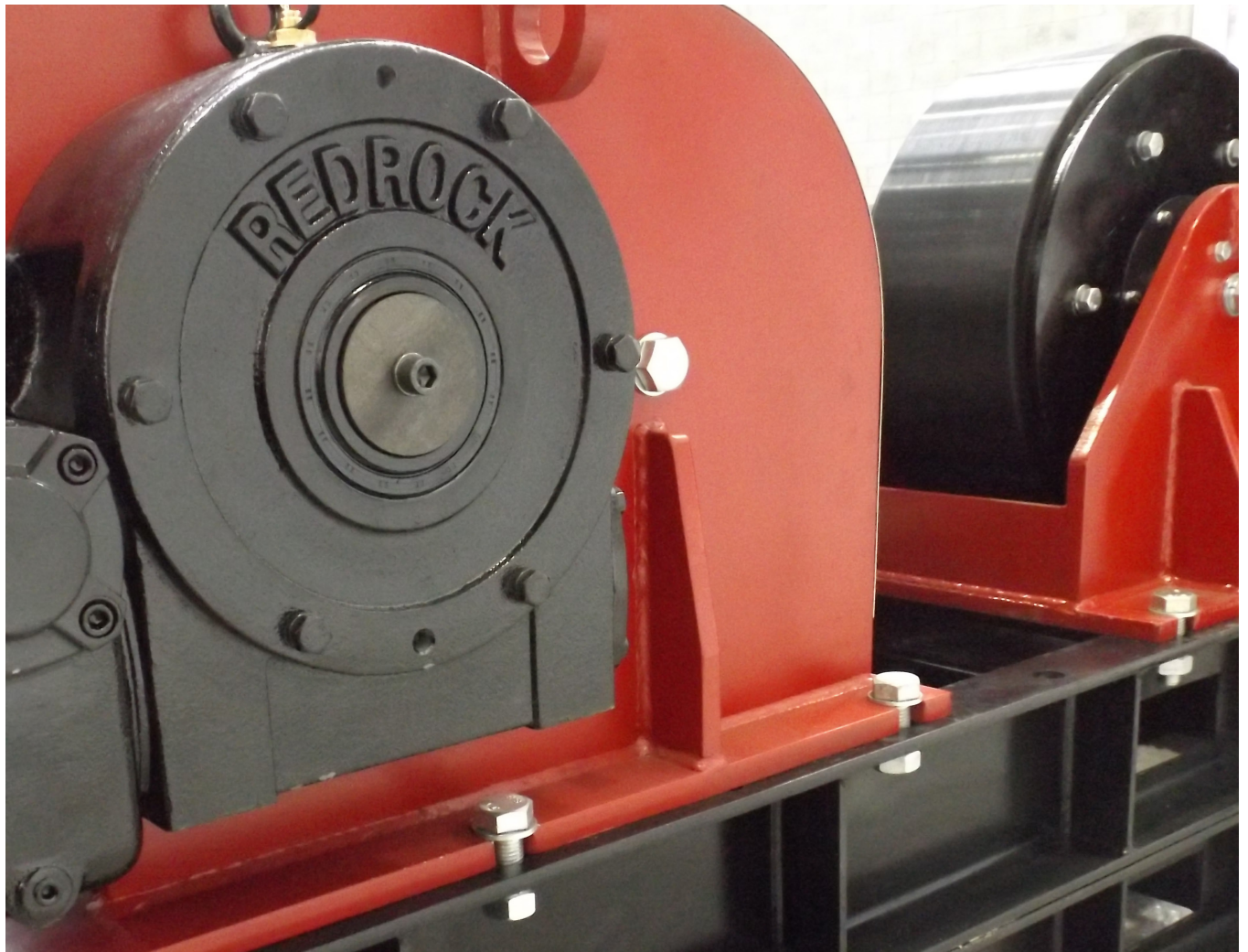


SMALL EQUIPMENT RANGE

redrockautomation.com

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CONVENTIONAL ROTATOR

Redrock's conventional rotator range have a Robust Heavy Duty Compact Design for simple operations within welding and fabrication environments. The machine uses replaceable polyurethane tyres mounted onto a cast steel drum for durability and superior traction.

- A set of Conventional Welding Rotators consists of a motorised drive and an idler support unit
- Manually adjusting the centre distance very easily
- Enclosed electronic drive control



LPP1



LPP10



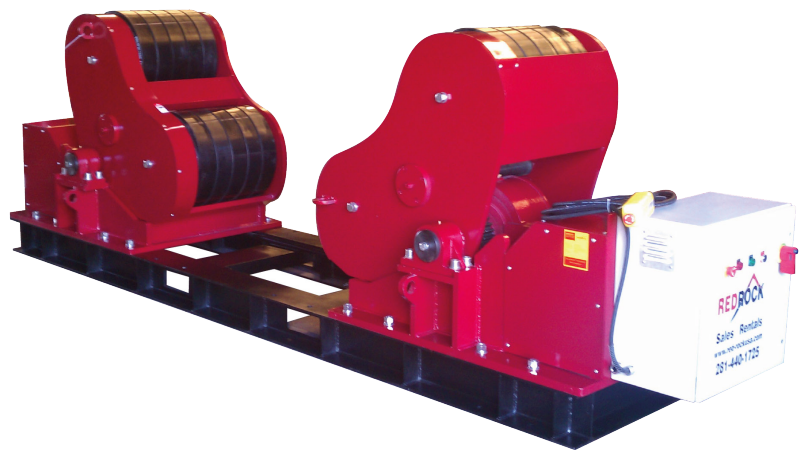
LPP30

Model	Capacity (Loading)	Capacity (Turning)	Roller Size	Roller Speed	DIM Range	Drive Motor
LPP1	1 Tonne	1.5 Tonne	254 × 50mm	0-5580mm/min	110-500mm	Single Motor
LPP3	3 Tonne	4.5 Tonne	254 × 75mm	0-4640mm/min	110-1006mm	Single Motor
LPP5	5 Tonne	7.5 Tonne	300 × 100mm	206-2068mm/min	235-5517mm	Double Motor
LPP10	10 Tonne	15 Tonne	330 × 130mm	160-1690mm/min	235-5517mm	Double Motor
LPP20	20 Tonne	30 Tonne	330 × 175mm	103-1032mm/min	235-5517mm	Double Motor
LPP30	30 Tonne	30 Tonne	330 × 250mm	103-1032mm/min	235-5517mm	Double Motor

SELF-ALIGNING ROTATOR

Redrock Self Aligning Rotators are robustly designed and built to withstand the harsh environments expected in the welding and fabrication. The rotators allow them to align themselves to the workpiece without the need to alter the wheel carriage for various diameters and ovality.

- Replaceable polyurethane tyres
- Tyres are mounted onto a cast steel drum for durability
- Superior traction
- Remote control pendant comes as standard



SAR 20

Model	Capacity (Loading)	Capacity (Turning)	Dim Range	Roller Size	Rotation Speed
SAR/RDPP5	5 Tonne	5 Tonne	250-2500mm	250 × 100mm	150-1500mm/min
SAR/RDPP10	10 Tonne	10 Tonne	400-2800mm	300 × 120mm	115-1150mm/min
SAR/RDPP20	20 Tonne	20 Tonne	600-3500mm	350 × 120mm	120-1200mm/min

STANDARD POSITIONER

Redrock's range of welding positioners provides the quickest means of both rotating and tilting through 360 degrees while allowing maximum access to the workpiece. A huge range of features makes our welding positioners high recommended.

- free standing unit
- robust steel fabrication
- variable table speed control
- Round T slotted tables
- Table Tilt
- Table Elevation
- enclosed electronic controls
- Remote Pendant control
- 24v Low Voltage
- Wide Range of Optional Extras
- LED m/min read out, as optional extra
- Clamp Chuck Options



PE0.15



PE5

Model	Capacity Turning	Capacity Tilting	Table Diameter	Tilt Range	Rotation Speed
PE0.15	150kg	100kgs	350mm	0-90°	0-4 RPM
PE0.25	250kg	250kg	500mm	0-115°	0-4 RPM
PE0.5	500kg	500kg	620mm	0-135°	0.2-2 RPM
PE1	1000kg	1000kg	900mm	0-135°	0.1-1.2 RPM
PE3	3000kg	3000kg	1200mm	0-135°	0.1-1 RPM
PE5	5000kg	5000kg	1500mm	0-135°	0.09-0.9 RPM
PE10	10000kg	10000kg	1800mm	0-135°	0.048-0.48 RPM

HYDRAULIC POSITIONER & CHUCKS

Our hydraulic positioner is the best tool to solve any complex work-piece geometry. With adjustable rotation speed settings and high angle rotation available to the operator, this allows the machine to manipulate the position of the work piece to best suit the application.

- Hydraulic circuit adopts the design of non-return valve to ensure slope and height adjusting the position of the lock to ensure the safety in welding process is stable.
- High rotation speed and angle can be adjusted respectively
- 3 axis movement can easily cope with complicated geometry
- Smooth operation to ensure the quality of the welding process
- Robust Steel Fabrication
- Variable Table Speed Control
- Round T Slotted Tables
- Table Tilt
- Table Elevation
- Remote Pendant Control
 - 24v Low Voltage
- Earth Facility 800amp
- LED m/min read out
- Clamping Chuck Options



RPH1-0.9D

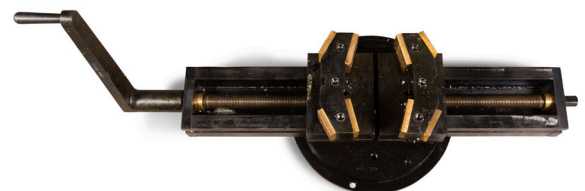


RPH3-1.2D

Model	Capacity Turning	Capacity Tilting	Rotating Speed	Tilt Range	Diameter Of Table
RPH1-0.9D	1MT @ 150mm	1MT @ 100mm	0.1-1.1 RPM	0-135°	900mm
RPH3-1.2D	3MT @ 300mm	3MT @ 250mm	0.1-1.1 RPM	0-135°	1200mm
RPH5-1.5D	5MT @ 300mm	5MT @ 300mm	0.08-0.8 RPM	0-135°	1500mm

Chuck

- Self centering
- Reversible jaws
- Easy mounting



Two Jaw Chuck

Model	Clamping Range A	Clamping Range B
WPP200	110mm-210mm	20mm-130mm
WPP300	170mm-280mm	80mm-190mm
Two Jaws Chuck	90mm-670mm	220mm-840mm

MANIPULATOR

Redrock Welding Manipulators are designed for use in demanding environments in conjunction with rotators or positioners. Widely used in pressure vessel boiler welding, tubular sectioning and can be integrated with SAW, TIG, MIG/MAG welding processes.

- Suitable for all types of tubular construction in circumferential and longitudinal seam welding
- Cross arm lifting chain transmission and has the falling prevention device can guarantee the personal safety
- can be customised to customers workpiece structure different requirements, also can add matching tracking monitoring arc and flux recovery system
- the manufacture of the rigid construction column, beam, ensures precision welding required precise support and stability
- low voltage 24v control circuit through the European CE Mark certification, safe and reliable operation through remote pendant operation
- 360 degree lockable rotation



MM2020

Model	Max Height Under Boom	Effective Boom Travel	Slewing Stroke	Base Slewing	Vertical Speed	Boom Speed
MM2020	2000mm	2000mm	± 180°	Manual	580mm/min	126-1260mm/min
MM2025	2000mm	2500mm	± 180°	Manual	580mm/min	126-1260mm/min
MM3030	3000mm	3000mm	± 180°	Manual	750mm/min	200-2000mm/min

PIPESTAND & HEADSTOCK

Headstock

Redrock Headstock Positioner RREW Series, is designed to give the maximum positioning flexibility by using the Rotation axis of the table to manipulate the workpiece into a down hand position for welding or cutting pipes accurately, for assembly and manufacturing requirements.

- Free standing unit
- Remote foot pendant control
- Push button start/stop 24v
- Earth facility 600amp
- Various clamping/chuck arrangements available



Headstock RHS1-0

Pipe Stand Supports

PS Pipe Stand Supports are designed to work with positioner and headstock applications. The supports are mounted on steel wheels to allow easy movement of the support, for different lengths of pipe. The spindle also has adjustable height to maintain crawler line heights as required. Pipe diameters are set by moving the rollers on the incremental guide on top of the spindle.

- Height adjustment
750 – 1000mm
- No special requirement for wheel centres
- Easy set up



Pipestand PS2000

Model	Loading	Vessel Size	Roller C-C	Lift Way
Pipestand PS2000	2000kg	150-600mm	Adjustable	Manual

Model	Capacity Turning	Table Diameter	Rotation Speed
Headstock RHS1-0	1000kg	900mm	0.1-1.2 RPM
Headstock RHS3-0	3000kg	1200mm	0.1-1 RPM
Headstock RHS5-0	5000kg	1500mm	0.1-1 RPM



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