

VS & LP rotators

A complete offer of rotators for every manual and automatic welding applications.



ALW rotators



The largest rotators range from a leader supplier of high manufacturing technology for pressure vessels, pipes and tanks. Our complete range of capacities and functions ensures continuous production and reliable performance.

Common features:

- each drive roll (one or two depending on model) is powered by a separate gear drive and motor, eliminating the problems and maintenance associated with drive shafts.
- electronic variable speed drives: the resulting range and stability of speeds allows manual and automatic welding using all processes.
- hand held push button pendant controls with FORWARD/STOP/REVERSE and speed adjustment.
- heavy duty worm gear drives fully enclosed and oil immersed for long life and protection from contaminants such as weld spatter and slag.
- symmetrical adjustment of the roller spacing for rapid adaptation to the work piece diameter.
- machined bed on the idler and drive roll for perfect alignment.
- possibility to synchronize the movement with the welding unit.





VS Medium – duty line

Easy-to-use line of rotators covering a load carrying capacity range up to 30 tons (drive roll + 1 idler).

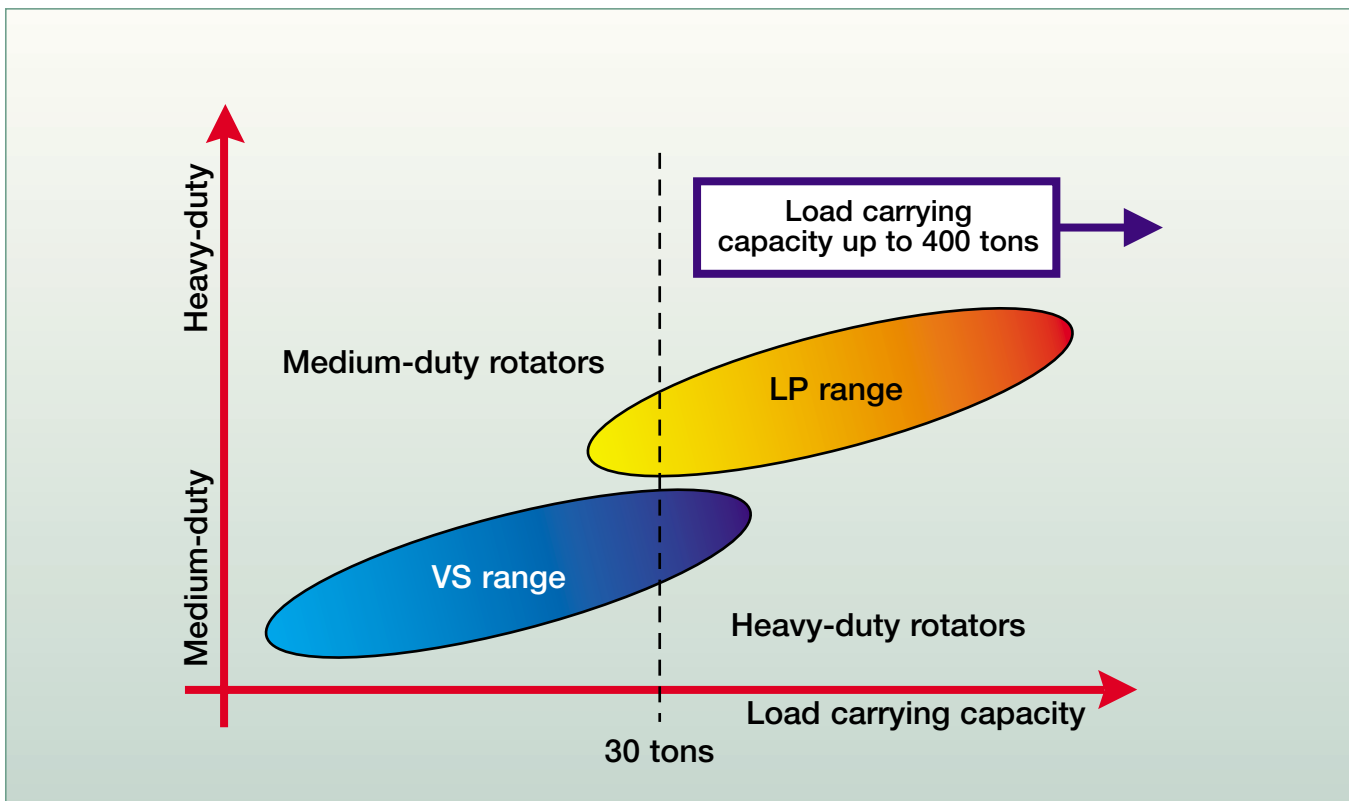
The VS range includes a number of models perfectly fitting to various industrial typical applications.

LP Heavy-duty line

Especially designed for heavy-duty use, this line covers the load carrying capacity range up to 100 tons (drive unit + 1 idler).

Reduced welding height from the ground and constant centerline pay them suitable to work in combination with a manipulator for applications requiring circumferential and longitudinal automated welding.

On demand we supply over the standard range rotators up to 400 tons of load capacity (drive unit + 1 idler).



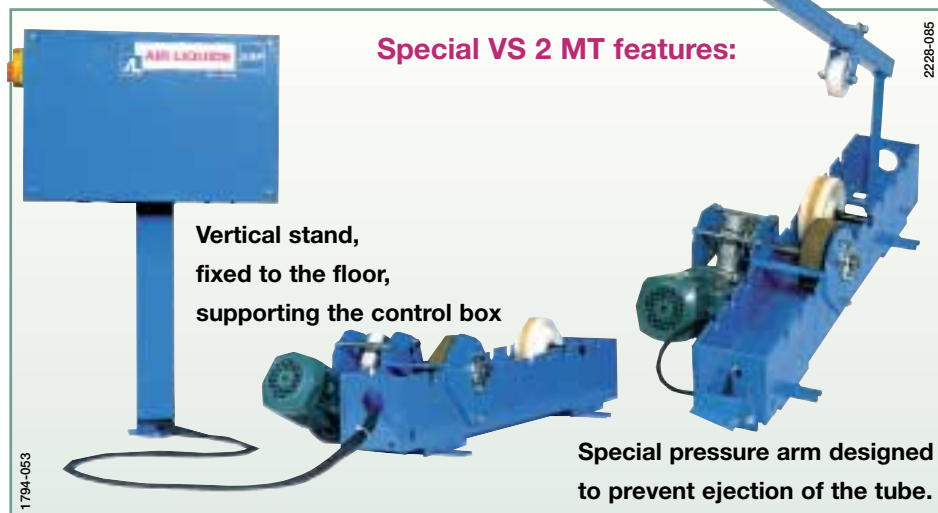
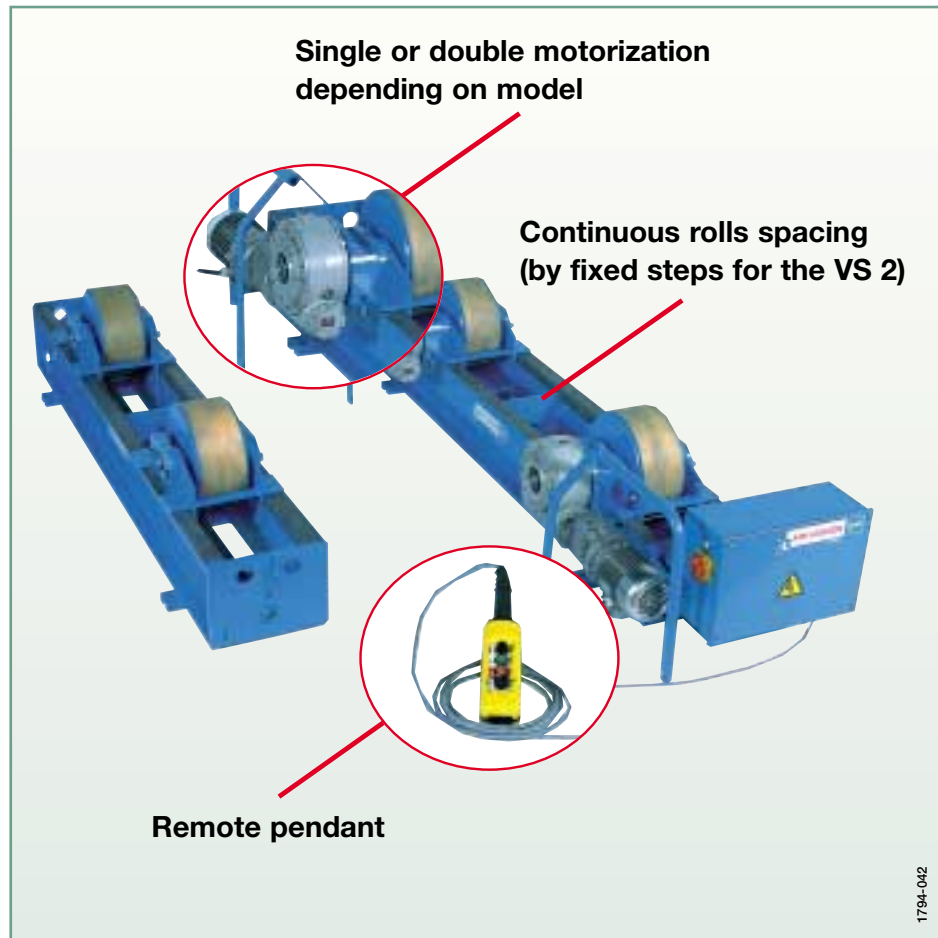
VS Medium-duty rotators



Easy-to-use line of rotators covering a load carrying capacity range up to 30 tons (drive roll + 1 idler). The VS range includes a number of models perfectly fitting to various industrial typical applications.

Features:

- single powered (one drive roll) for small unbalance work pieces,
- double powered (two drive rolls) for work pieces having significant unbalance,
- infinitely variable (by steps for the model VS 2) roll-to-roll center distance for fast adjustment and optimum contact angle,
- special VS 2 MT model dedicated to small diameter work parts, equipped with a pressure roll avoiding the ejection of the pipe,
- mechanical protection of the drive systems against impact,
- optional kit for applications requiring high rotation speed precision ($\pm 1\%$).





Technical specifications:

	Wheels material	Load capacity (driven unit + +1 idler) [Kg]	Single roll load carrying capacity [Kg]	Shell diameter [mm]	Peripheral speed [cm/min]	Roll O.D. X Width
VS 2	MT	2 000	1 000	30 - 2 500	12 - 120	Ø 150 x 50
	W					
	F					
VS 6	M	6 000	3 000	300 - 3 300	12 - 120	Ø 250 x 75
	W					
	F					
VS 15	M	15 000	7 500	300 - 4 000	12 - 120	Ø 250 x 110
	W					
	F					
VS 30	W	30 000	15 000	500 - 4 500	12 - 120	Ø 350 x 150
F						

VS Options:

- Synchronization with the welding unit
- Digital speed display
- Kit increasing speed regulation accuracy up to 1%
- Carriage to move rotators when loaded
- Rail tracks for rotators equipped with a carriage.

Keys:

- M = single motorization
- W = double motorization
- F = idler roll
- MT = VS for small diameter pipes

Notice: Roll-to-roll center distance adjustable by steps for the model VS 2, infinitely for all the other models.



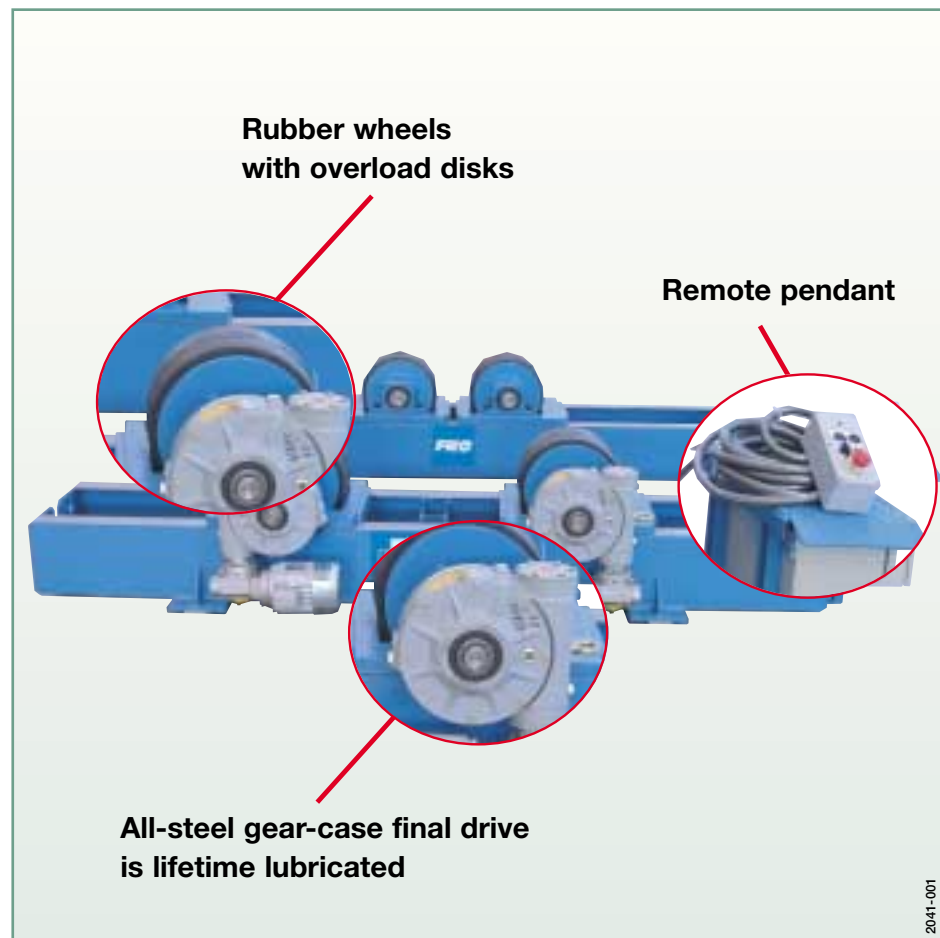
LP Heavy-duty rotators



Specifically designed for heavy-duty use, this line covers the load carrying capacity range up to 100 tons (drive unit + idler). On demand we supply rotators over the standard range with load capacity up to 400 tons (drive unit + 1 idler).

Features:

- unique self-supporting designed frame for heavy duty, and durability.
- special frame conception with built-in roll supports reduces welding height from the ground.
- machined bed on the idler and drive roll for perfect alignment.
- final drive gear-case is all steel fabricated and totally enclosed, with aluminum-bronze worm gears lifetime lubricated for maximum strength and durability.
- infinitely variable roll-to-roll center distance by hand wheel through lead screw allows for fast center distance adjustment and optimum contact angle.
- remote pendant with FORWARD/STOP/REVERSE and speed adjustment.
- possibility to synchronize the movement with the welding unit
- LP rolls can travel (option) on machined rail track





Technical specifications:

	Wheels material	Total load [Kg] 1 driven roll + 1 idler)	Single roll load carrying capacity [Kg]	Shell diameter [mm]	Peripheral speed [cm/min]	Roll O.D. X Width [mm]
LP 30	W	30 000	15 000	500 - 4 700	10 - 100	Ø 300 x 250
	F					
	W					
	F					
LP 55	W	55 000	27 500	500 - 5 000	10 - 100	Ø 508 x 293
	F					
	W					
	F					
LP 70	W	70 000	35 000	900 - 5 000	10 - 100	Ø 508 x 293
	F					
LP 100	W	100 000	50 000	900 - 6 000	10 - 100	Ø 508 x 580
	F					
LP ...	W	On demand we can supply over standard products with load carrying capacity up to 400 t				
	F					

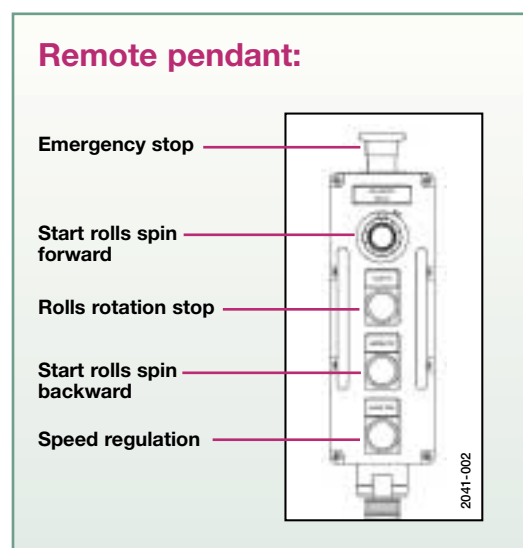
Keys:

W = drive rotator

F = idler rotator

Options:

- Rotation speed according to customer requirement.
- Analogical/digital tachometer to display the rotation speed.
- Synchronized operation of multi number of rollers
- Carriages for manual traversing on ground track without load.
- Steel rolls.





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