

# ROTAMATIC: single roller rotators

## Medium-duty rotator: 2 tons to 30 tons

- Single powered (one drive roller) for small unbalance work piece.
- Double powered (two drive rollers) for work pieces having significant unbalance.
- Roller-to-roller center distance adjusting by screw (except for ST 2: by step).
- Remote pendant, kit auto and digital display on all versions.

### Possible options:

- Kit  $\pm 1\%$  speed regulation,
- Kit encoder 5 000 pts,
- Lorry and railway.



### Technical specifications:

Designation		Load capacity (1 drive + 1 idler) kg	Load capacity per section kg	Shell diameter mm	Peripheral speed cm/min	Wheel dimension OD x width mm	Wheel material
ST 2	MT	2 000	1 000	30 to 2 500	12 to 120	$\varnothing$ 150 x 50	Polyurethane
	M						
	W						Polyamide
	F						
ST 6	M	6 000	3 000	300 to 3 500	12 to 120	$\varnothing$ 250 x 75	Polyurethane
	W						
	F						
ST 15	M	15 000	7 500	300 to 4 000	12 to 120	$\varnothing$ 250 x 110	Polyurethane
	W						
	F						
ST 30	W	30 000	15 000	350 to 4 500	12 to 120	$\varnothing$ 350 x 150	Polyurethane
	F						

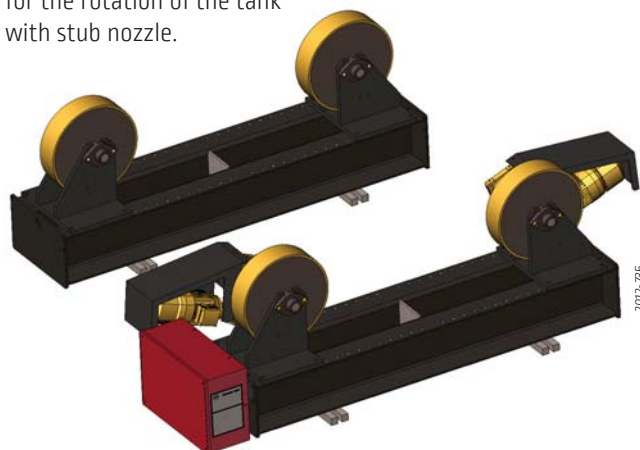
**Keys:** M = Single motorisation / W = Double motorisation / F = Idler roller / MT = Single motorisation with tube system

## Special rotator

Small 6 tons rotator  $\varnothing$  100 to 600 mm



Special rotators with large diameter rollers for the rotation of the tank with stub nozzle.

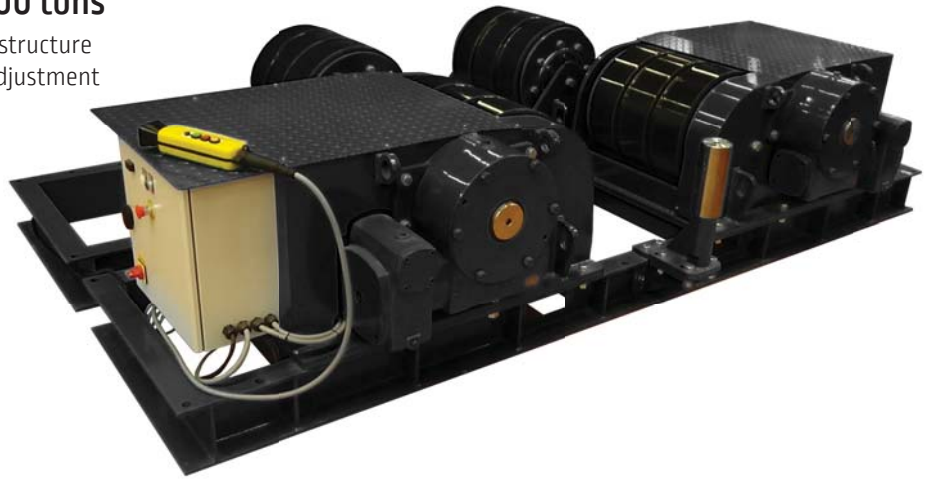


## Heavy-duty rotator: 30 tons to 500 tons

- Each rotator is composed of a mechanical structure and rotation roller motorized with roller adjustment by step or screw. In the motorized version, the rotator is equipped with an electrical cabinet.
- Remote pendant, with 30 m cable and kit auto in standard on all versions.

### Possible options:

- Lorry and railway,
- End stop, encoder,
- Digital display.



### Technical specifications:

Designation	Load capacity (1 drive + 1 idler) kg	Load capacity per section kg	Shell diameter mm	Peripheral speed cm/min	Wheel dimension OD x width mm	Wheel material
CR 30*	30 000	15 000	570 to 6 800	14 to 140 or 10 to 185	Ø 520 x 150	Steel
					Ø 520 x 178	Polyurethane
CR 60*	60 000	30 000	570 to 6 800	14 to 140 or 10 to 185	Ø 520 x 150	Steel
					Ø 520 x 355	Polyurethane
CR 100*	100 000	50 000	570 to 6 800	14 to 140 or 10 to 185	Ø 520 x 150	Steel
					Ø 520 x 533	Polyurethane
CR 125*	125 000	62 500	570 to 6 800	14 to 140 or 10 to 185	Ø 520 x 150	Steel
					Ø 520 x 710	Polyurethane
CR 200*	200 000	100 000	570 to 6 800	10 to 100 or 9 to 160	Ø 600 x 175	Steel
					Ø 558 x 685	Polyurethane
CR 300*	300 000	150 000	800 to 7 500	10 to 100 or 9 to 160	Ø 700 x 230	Steel
					Ø 860 x 406	Polyurethane
CR 500*	500 000	250 000	1250 to 7 500	10 to 100 or 9 to 160	Ø 700 x 230	Steel
					Ø 860 x 686	Polyurethane

\* Available in version D (Drive double motorisation) or I (Idler roller)

*Higher capacity rotators on request.*



# ROTAMATIC: fit-up rotators

## Fit-up rotator: 30 tons to 500 tons

- In standard, the up and down movement is made by a manual hydraulic pump.
- Spacing rotation roller with adjustment by step.

### Possible options:

- Automatic hydraulic pump (hydraulic central),
- Lorry and railway.

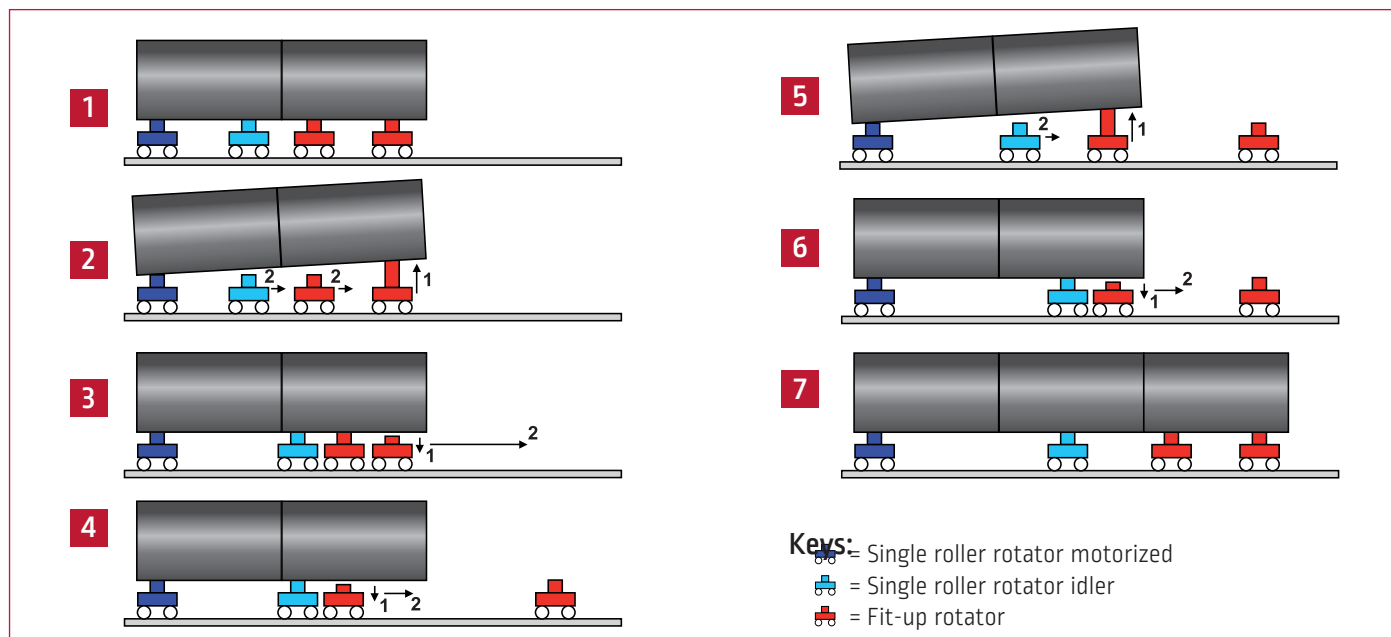


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### Technical specifications:

Designation	Load capacity (2 fit-up) kg	Lifting capacity per section kg	Shell diameter mm	Wheel dimension OD x width mm	Wheel material	Wheels adjustment
FR 30	30 000	15 000	570 to 6 800	Ø 520 x 178	Polyurethane	Step
FR 60	60 000	30 000	570 to 6 800	Ø 520 x 355	Polyurethane	Step
FR 100	100 000	50 000	570 to 6 800	Ø 520 x 533	Polyurethane	Step
FR 200	200 000	100 000	570 to 6 800	Ø 558 x 685	Polyurethane	Step
				Ø 600 x 175	Steel	Step
FR 300	300 000	150 000	800 to 7 500	Ø 860 x 406	Polyurethane	Step
				Ø 700 x 230	Steel	Step
FR 500	500 000	250 000	1 250 to 7 500	Ø 700 x 230	Steel	Step

Higher capacity rotators on request.



Version with automatic hydraulic central:



# ROTAMATIC: self aligning rotators

## 5 tons to 500 tons

- Each rotator is composed of a mechanical structure and rotation roller motorized or not.
- In the motorized version, the rotator is equipped with an electrical cabinet.
- In standard: remote pendant with 30m cable, and kit auto on all versions.

### Possible options:

- Lorry and railway,
- End stop, encoder,
- Digital display.



### Technical specifications:

Designation	Load capacity [1 drive + 1 idler] kg	Load capacity per section kg	Shell diameter mm	Peripheral speed cm/min	Wheel dimension Ø x width mm	Wheel material
ACR 5*	5 000	2 500	380 to 3 000	14 to 140 or 10 to 200	Ø 254 x 102	Rubber
ACR 10*	10 000	5 000	450 to 4 600	14 to 140 or 10 to 200	Ø 381 x 127	Rubber
ACR 20*	20 000	10 000	450 to 4 600	14 to 140 or 10 to 200	Ø 381 x 127	Polyurethane
ACR 30*	30 000	15 000	450 to 5 200	14 to 140 or 10 to 200	Ø 457 x 127	Polyurethane
ACR 60*	60 000	30 000	450 to 5 200	14 to 140 or 10 to 200	Ø 457 x 152	Polyurethane
ACR 100*	100 000	50 000	500 to 6 000	14 to 140 or 10 to 200	Ø 559 x 178	Polyurethane
ACR 200*	200 000	100 000	600 to 6 500	10 to 100 or 8 to 185	Ø 559 x 180	Steel
					Ø 559 x 356	Polyurethane
ACR 300*	300 000	150 000	1 000 to 7 500	10 to 100 or 8 to 185	Ø 559 x 203	Steel
ACR 500*	500 000	250 000	1 000 to 7 500	10 to 100 or 8 to 185	Ø 559 x 300	Steel

\* Available in version D (Drive double motorisation) or I (Idler roller)

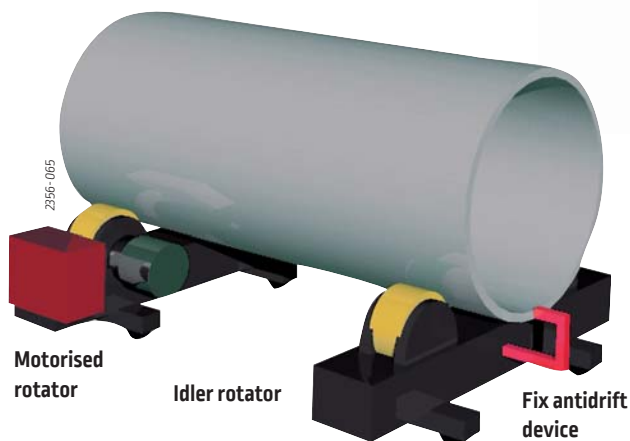
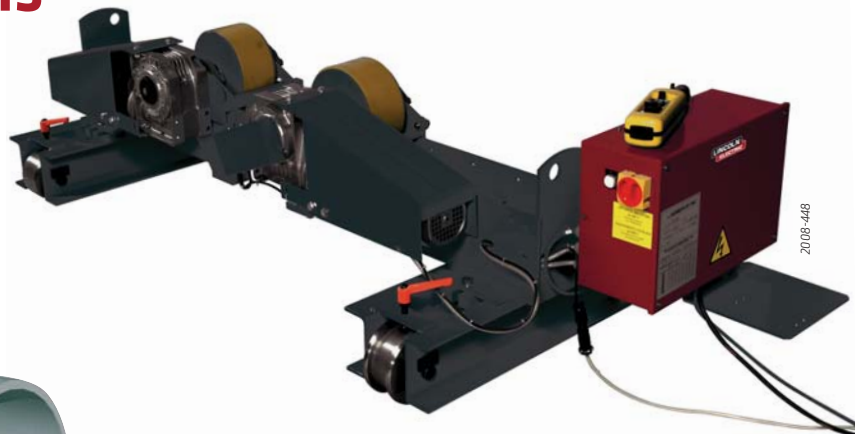
Higher capacity rotators on request.

## ROTAMATIC options

### Lorry

The lorry allows to move the rotators with or without the piece.

The idler lorry and the motorised lorry can be mounted on the same line.



### Anti-drift device

The end stop device allows the piece to turn without twisting.

An automatic solution can be proposed with a PLC which controls the idler roller positions.

# POSIMATIC: positioners

2 types of positioners are available:

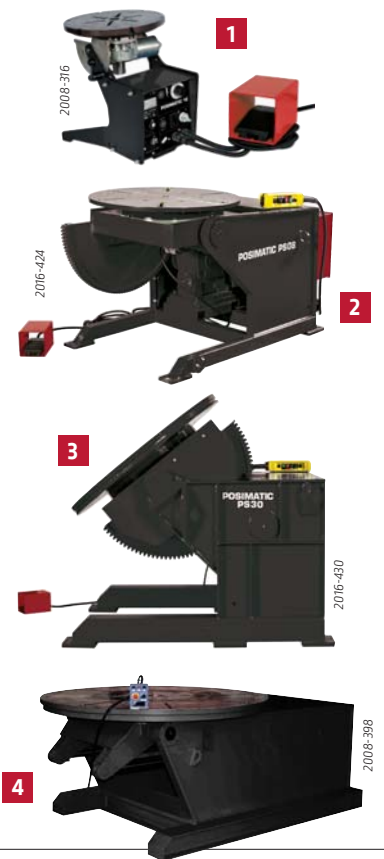
- Conventional: from 100 kg to 30 tons.
- With lifting table: from 1 500 kg to 10 tons.



	Load all positions kg	Tilt torque m.kg	Rotation torque m.kg	Rotation speed tr/min	Turntable height mm	Remote control or pedal	Pictures
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## Conventional range

P1E	1	50	4.5	2	0.2 to 5	385	Pedal
P2E		200	40	4	0.25 to 5	500	Pedal
PS03		300	100	35	0.2 to 3	660	RC + Pedal
PS08	2	800	280	120	0.16 to 2.4	848	RC + Pedal
PS15		1 500	550	225	0.14 to 1.8	1 051	RC + Pedal
PS30	3	3 000	1 300	450	0.1 to 1.5	1 222	RC + Pedal
TP4		4 000	1 100	500	0.045 to 0.45	1 110	RC
TP6		6 000	2 500	720	0.03 to 0.3	1 150	RC
TP8		8 000	3 600	850	0.025 to 0.25	1 000	RC
TP10		10 000	6 750	1 450	0.022 to 0.22	1 190	RC
TP15	4	15 000	10 300	2 100	0.02 to 0.2	1 275	RC
TP20		20 000	14 200	2 900	0.018 to 0.18	1 340	RC
TP30		30 000	22 500	4 400	0.015 to 0.15	1 450	RC



## With lifting table range

TPE 1.5		1 500	375	160	0.06 to 0.6	970 to 1 700	RC
TPE 2.5	5	2 500	600	200	0.06 to 0.6	1 030 to 1 850	RC
TPE 4		4 000	1 100	500	0.045 to 0.45	1 060 to 2 010	RC
TPE 6		4 000	2 500	720	0.035 to 0.35	1 125 to 2 125	RC
TPE 8		4 000	3 600	850	0.025 to 0.25	1 125 to 2 125	RC
TPE 10		10 000	6 750	1 450	0.022 to 0.22	1 150 to 2 350	RC



Higher capacity or different rotation speed range on request.

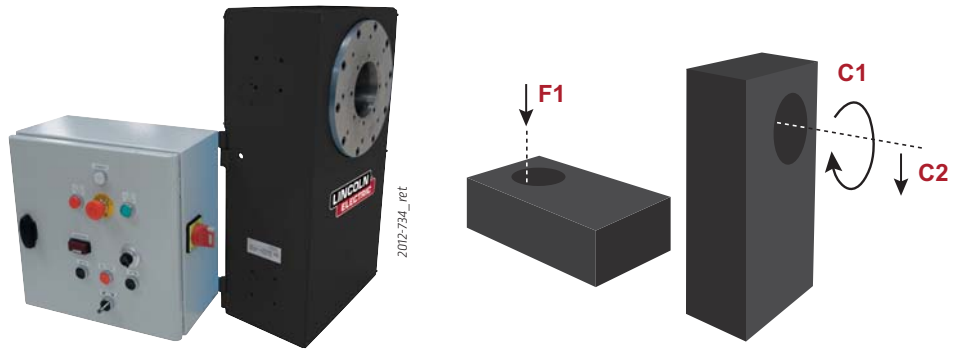
# HEADMATIC: headstock

## Headstock

The headstock range allows the rotation of pieces up to 32 tons.

### 3 types of headstock:

- MINITOP, TOP and SUPERTOP II to be integrated on a mechanization.



Designation	Flat Load capacity (F1) kg	Rotation torque (C1) m.kg	Tilting torque (C2) m.kg	Rotation speed tr/min
MINITOP 26.8 tr	50	3.6	14	2.7 to 26.8
MINITOP 8.25 tr	50	9.4	14	0.82 to 8.25
MINITOP 3.75 tr	50	16	14	0.37 to 3.75
TOP	300	15	90	0.05 to 4.5
SUPERTOP II	1 000	60	300	0.05 to 5

- HL range with synchronized lifting movement for manual manipulation or integrated on machine. The HL machine is composed of:
  - HLM: motorized headstock,
  - HLF: idler headstock.

We can propose the HLM without the idler headstock and the load capacity is half of the HLM+F load capacity. Possible options: lorry and railway.

Designation	Load capacity kg	Rotation torque (C1) m.kg	Rotation speed tr/min
HLM+F 2x1.5	3 000	250	0.1 to 1
HLM+F 2x4	8 000	500	0.1 to 1
HLM+F 2x6	12 000	720	0.1 to 1
HLM+F 2x8	16 000	960	0.1 to 1
HLM+F 2x10	20 000	1200	0.1 to 1
HLM+F 2x16	32 000	1900	0.1 to 1

- **Special HEADMATIC 3 axes: HL3A**  
Possibility to propose HEADMATIC 3 axes up to 20 tons.



# TURNMATIC: turntable

## Turntable 5 tons to 30 tons

Circular welding can be done by the movement of the turntable without moving the torch.

In the standard range, a turntable can make the rotation of shells up to 30 tons and up to 4 500 mm diameter.



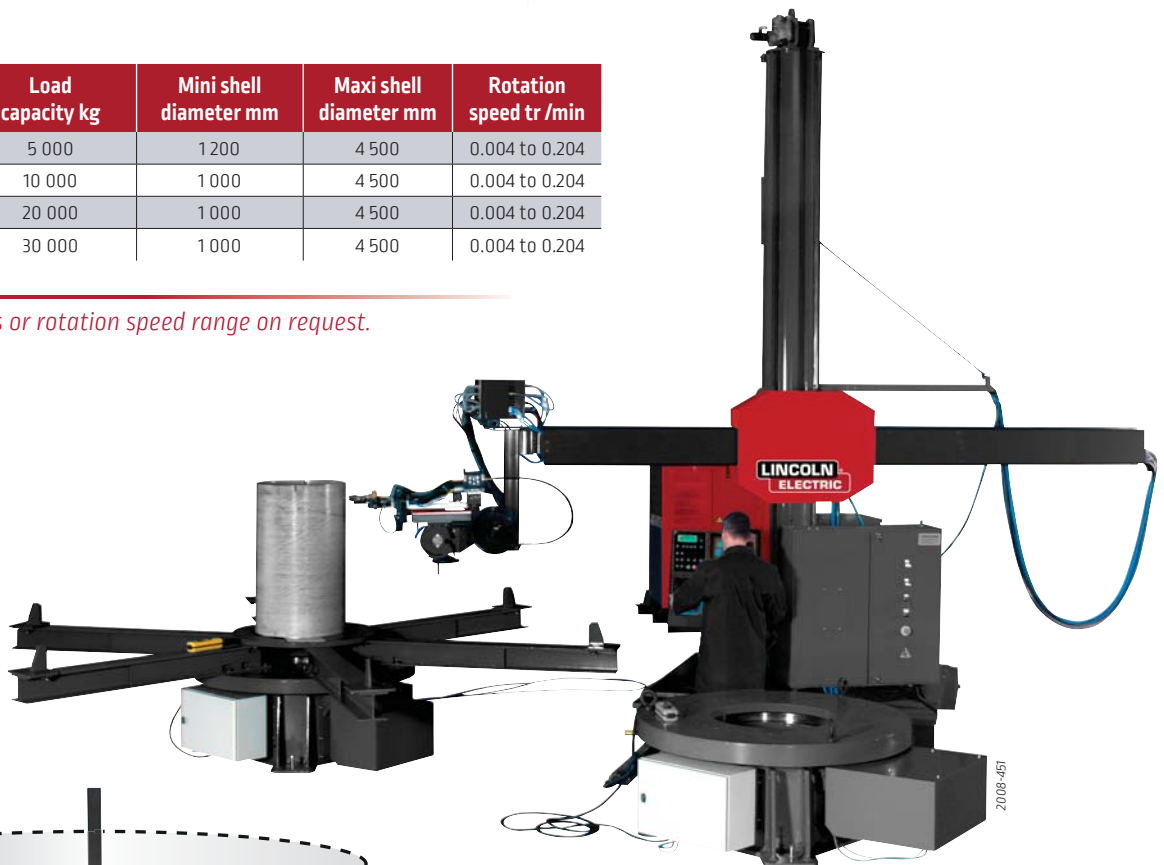
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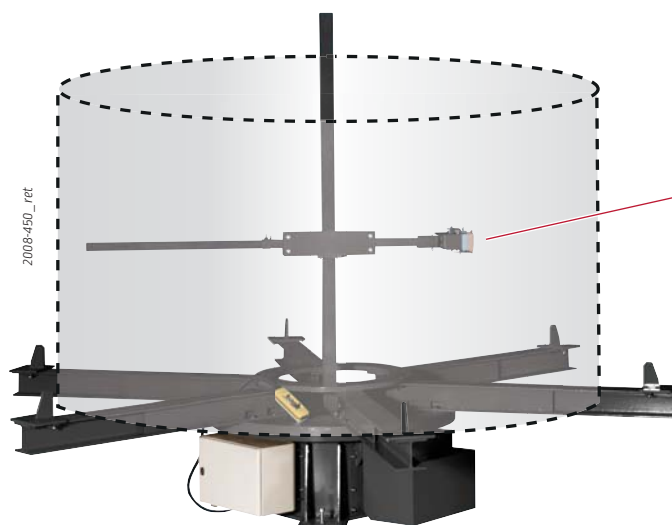
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Designation	Load capacity kg	Mini shell diameter mm	Maxi shell diameter mm	Rotation speed tr /min
TURNMATIC 5 T	5 000	1 200	4 500	0.004 to 0.204
TURNMATIC 10 T	10 000	1 000	4 500	0.004 to 0.204
TURNMATIC 20 T	20 000	1 000	4 500	0.004 to 0.204
TURNMATIC 30 T	30 000	1 000	4 500	0.004 to 0.204

*Other sizes, capacities or rotation speed range on request.*



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### Backing gas device

The backing gas device mounted on turntable, complete the turn-key solution of plasma or TIG welding column and boom.

A man hole in the turntable allows the operator to adjust the backing gas device inside the shell.