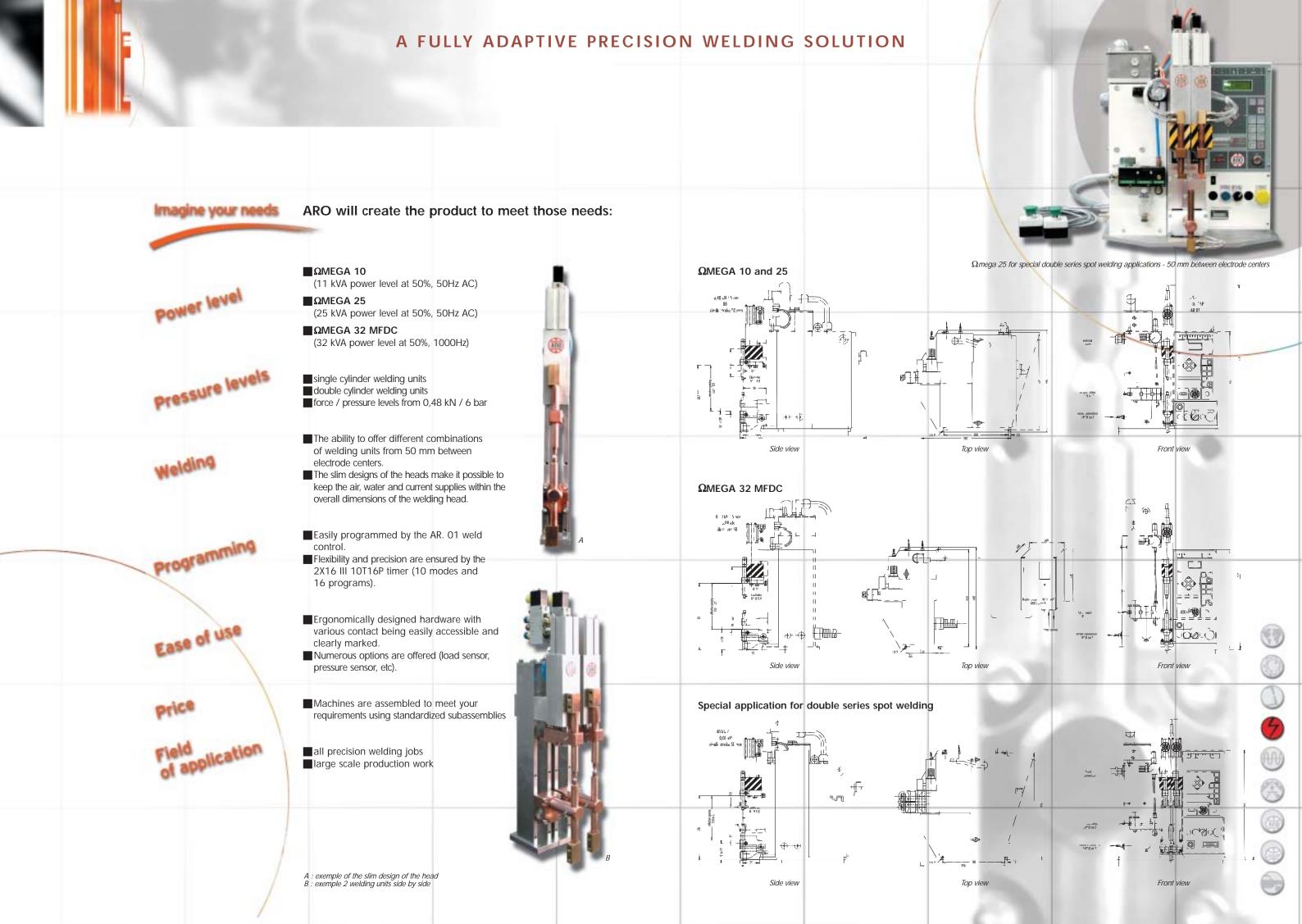






THE OMEGA SERIES

ARO have devised and designed a new series of modular bench mounted machines that offer a wide range of possible assembly combinations.



Product specifications

PRODUCT SPECIFICATIONS	Units	ΩMEGA 10	ΩMEGA 25
Conventional power at 50 %	kVA	11,4	25
Effective depth	mm	100	100
Permanent power at 100%	kVA	8	18
Permanent current	Α	2300	4000
Secondary no-load voltage	V	3,5	4,5
Maximum short circuit current (table up)	Α	8000	12000
Primary voltage rating	V	400	400
Consumed power	kVA	17	32
Cable section (for 20 m)	mm ²	6	10
Fuse	Α	20	50
Force Electrode at 6 bar	kN	0,48	0,48
Force Electrode at 1 bar	kN	0,08	0,08
Effective spacing	mm	153 to 221	153 to 221
Air connection	mm	1/4" int. dia. 7	1/4" int. dia. 7
Water connection	mm	1/4" int. dia. 7	1/4" int. dia. 7
Dimensions (H x W x D	mm	660 x 440 x 546	660 x 440 x 546
Welding cabinet controller		AR.01 or 2X16III	AR.01 or 2X16III
ARO No. 1 male cone electrodes		yes	yes

ARO electrodes

For many users ARO electrodes have become an industry standard. On the strength of the company's unique experience built up since 1949 from a wide range of production facilities and after thousands of hours of laboratory testing, ARO is able to offer an advanced range of electrodes that ensure enhanced service life performance and work quality (please ask for document S1F).

- A standard features provided by the corresponding version.
- O An optional features provided by the corresponding version. For other panels, please ask us.
- On request, a power supply from a separate network that can be backed up in the event of power circuit breaker tripping.
- F: French, A: English, E: Spanish, I: Italian, Swedish, Finnish, Dutch/German The language choice is made by programming. For other languages please ask us.

Welding cabinet controller AR.01 AND 2X16III FUNCTIONS

FUNCTIONS		AR.01	10T16P	
Software release versing Number of programs First squeeze Squeeze Welding Hold Interval Upslope Downslope Pulses Pulse interval Preheating Cooling Annealing	0 t 0 t 0 t 0 - 0,5 - 1 0 t 1 t 0 0	o 200 periods o 200 periods to 200 periods o 200 periods o 200 periods to 20 periods to 30 periods 1 to 20 o 200 periods	2 0 to 99 0 to 99 0 to 99 0 to 99 0 to 40 0 to 99	7A 16
Current control in % wit Current control in % wit Current adjustment in kA Current adjustment in kA	•	•		
Duty cycle monitoring Welding spot counter with reset Electrode wear alarm Wear compensation by steps or by segments Link between electrodes and programs Single spot welding Series spot welding Servovalve control Programmable outputs Pressure program Control of a proportional valve Clamping without welding (SSS) With/without welding current (CSC) Programming/loading/off-line backup to PC ARONET network			1	2 2
Servovalve power sup Servovalve internal po WCC power supply on	wer supply	as standard on request as standard on request as standard (1)	24 VAC 24 VDC 24 VAC 24 VDC	24 VAC 24 VDC 110 VAC 24 VAC
Languages: (2) number of languages Measurement coil size (10 to 2600 mV/kA) Parity bit/Program choice START - SV control link Electrode wear compensation configuration Date/Time			7 •	
				l .



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