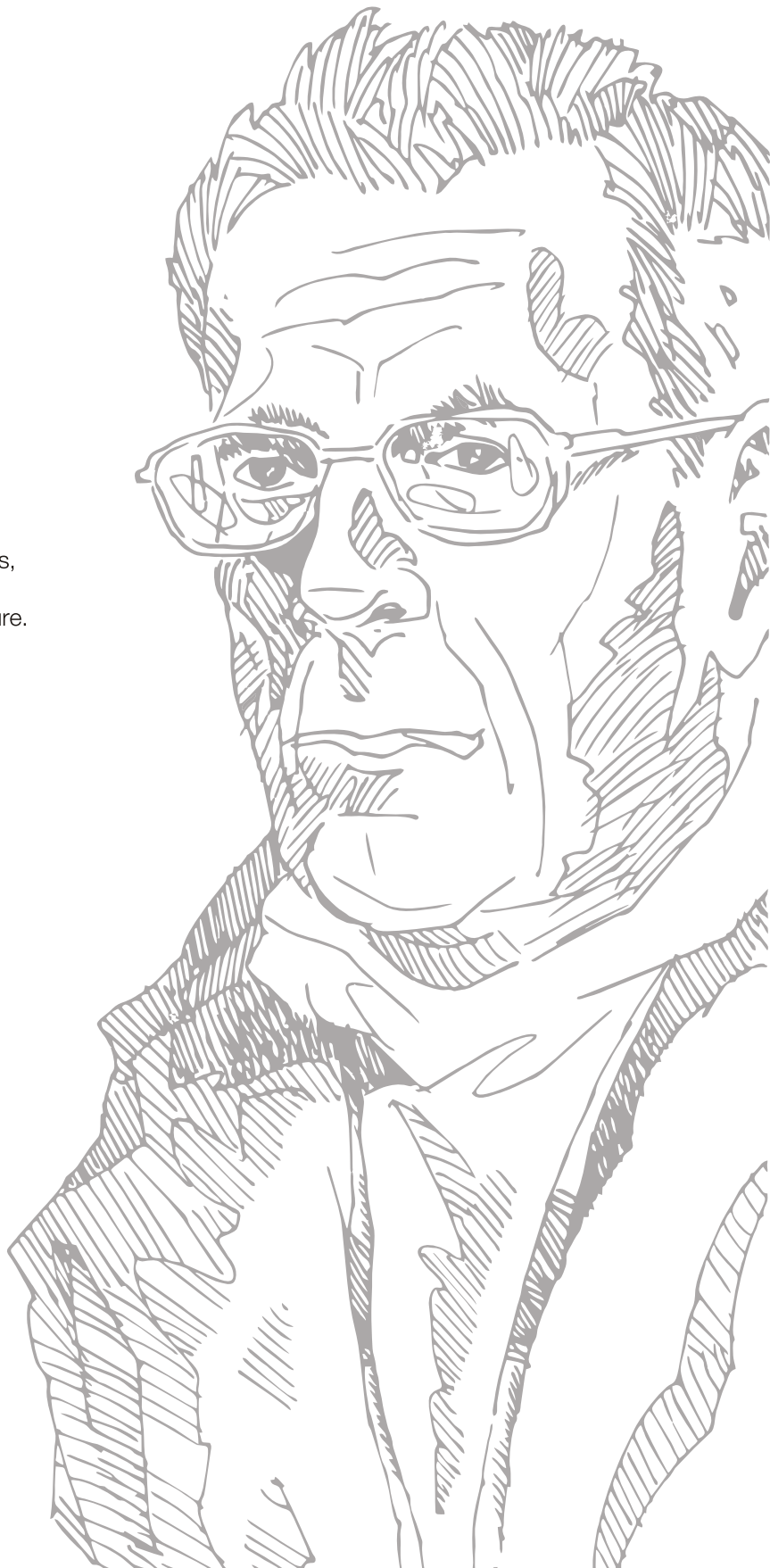
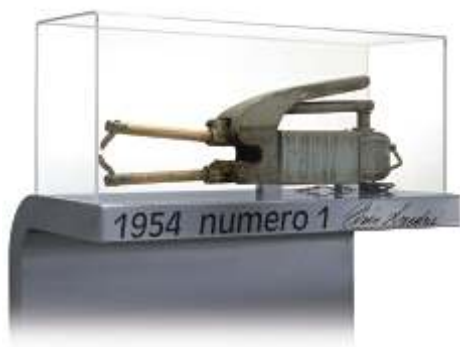


TECNA WELDCON
INDIA PRIVATE LIMITED

Ezio Amadori was a boy when he shifted from his work experience in a mechanical workshop to the invention of the first resistance spot welder realized with metal sheets, tools and makeshift items, thus proving that good ideas can never surrender. It was 1954, the beginning of TECNA's great adventure.



TECNA S.p.A.

TECNA S.p.A. is a wholly- Italian company, a leader in pioneering solutions for resistance welding design and Technology. Restless research and development, staff enhancement, an experience of almost 50 years as fame gained with pride in the industrial world are the hallmarks of a company that carries innovation in its DNA.

By designing and building resistance welders for 40 years TECNA, synonymous with resistance welding, is part of a market undergoing constant evolution. It was founded in 1969 when Mr. Ezio Amadori, owner and president, registered the trademark by the Patent and Trademark Office. Passion for Technology and design talent allowed the company to turn into and S.n.c. one in 1985 and into S.p.A. in 1988. The experience acquired all along these years not only qualifies TECNA as a specialized supplier of resistance welding equipment but makes it fit transversely in the Industrial, Aerospace, Automotive, Military, Medical Equipment and Car Body Repair fields which the company has a great impact on worldwide.

Part of the Tecna production is carried out by artisan businesses located in Castel San Pietro Terme, a delightful town on the outskirts of Bologna. This production strategy, strongly willed by Mr. Ezio Amadori, has created remarkable satellite activities which have enriched and energized the territory and has encouraged the development of an extensive network of qualified partners, artisans and designers.

WELDCON INDIA PVT.LTD.

The Company was founded in 1997 and turned into Pvt. Ltd. In 2001, is located at Nashik, 180 kms from Mumbai, spread over 45,000 sq. ft. area in the prime industrial zone of Amabad.

A solution based approach of WELDCON for providing Integrated Turnkey Solutions for Body in White weld shops to the Automobile and Engineering Industry at large by study and evaluation of project's requirements, innovative designs, meticulous planning, precise manufacturing, creating awareness of the latest technological developments, committed deliveries and after sales service.

The efforts of WELDCON, coupled with Engineering Expertise, Continuous Up-gradation of Facilities, Commitment in Meeting Project Deadlines and Effective Post Sales Support has enabled to achieve over 7000 installations spread over the country. This is one of the largest installations of Resistance Welding machines by any supplier in India. Not only has the number, but repeated orders from customers, and customer retention to the extent of 100% speaks volumes about the faith and trust created by WELDCON.

Experience in handling variety of jobs with innovation and willingness to accept challenges makes WELDCON the most vibrant company in the field of Resistance welding in India.

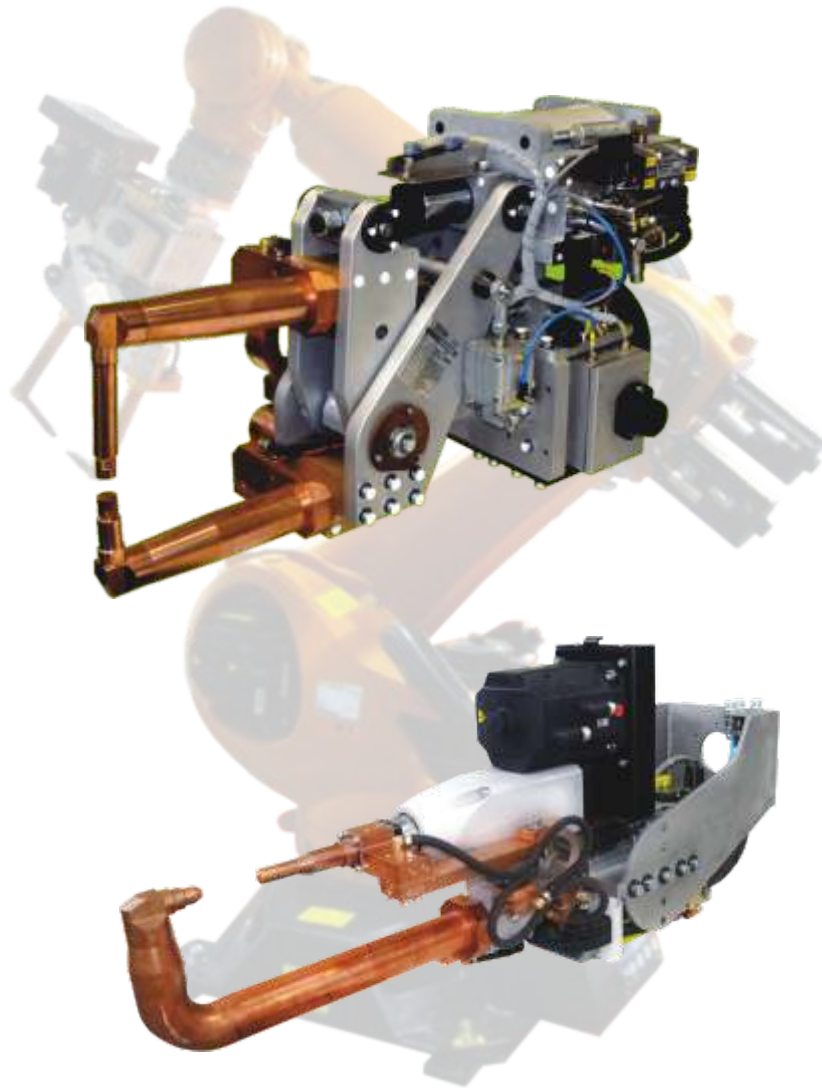
TECNA WELDCON INDIA PVT. LTD.

TECNA, after servicing the Indian Industry for last 14 years through WELDCON, decided to step ahead and form a Joint Venture company to combine the synergies of both the companies, the Research. Innovation and Technology of TECNA and manufacturing and after sales support capabilities of WELDCON, to accept the challenges posed by continuous evolution of the market and to step up the Customer satisfaction in all aspects of business. This Joint Venture is set up to enhance the trust and faith in the product, to multiply the confidence in customer relationship and to create an atmosphere, enriching the business experience.

TECNA WELDCON INDIA PVT. LTD. will be located in Nashik with all modern manufacturing facilities ensuring the workmanship, well equipped design center to adopt the special requirements for enhancing the flexibility, and specially developed quality monitoring systems and equipments to maintain the persistent TECNA quality. Manufacturing and quality system staff is well trained and qualified by TECNA's experience and vendor network following TECNA manufacturing systems.

The after sales service and marketing staff, with sales offices in Nashik, Pune, Bangalore, Chennai, Delhi and Pantnagar will ensure the prompt sales and service responses to customers in every corner of India.

ROBOT GUNS



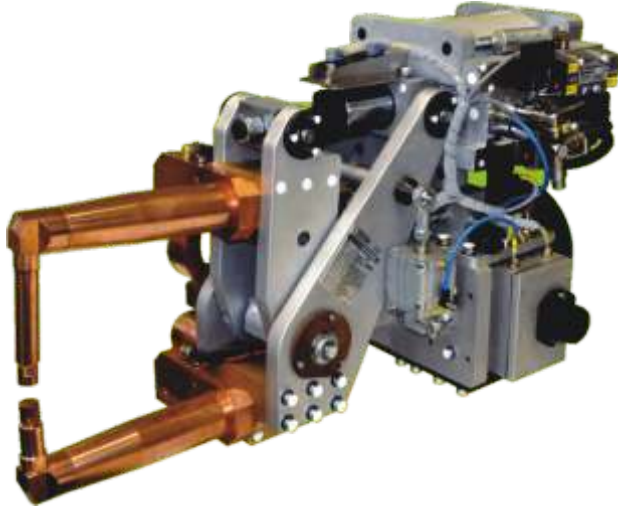
TECNA Robot Guns are available in various combinations of Pneumatic Actuator Vs. Servo Motor Actuator, MFDC Vs. AC Transformers and various welding transformer capacities. Style of construction is common across these variants.

PNEUMATIC ROBOT GUNS

MFDC PNEUMATIC ROBOT GUNS TECHNICAL DATA

Model	kVA	Type	Throat Depth (mm)	Available Force @ 6 Bar (daN)	Cylinder Dia	Weight without Arms
2915K56	56 MF	C	/	840	100	65
2915K90	90 MF	C	/	840	100	78
2920K56	56 MF	X	300	319	100	73
2920K90	90 MF	X	350	284	100	86
2900K56	56 MF	X	300	500	125	89
2900K90	90 MF	X	350	444	125	102
2901K56	56 MF	X	300	819	160	95
2901K90	90 MF	X	350	728	160	108
2911K56	56 MF	X	300	1280	200	105
2911K90	90 MF	X	350	1137	200	118

X TYPE PNEUMATIC ROBOT GUNS



C TYPE PNEUMATIC ROBOT GUNS



AC PNEUMATIC ROBOT GUNS TECHNICAL DATA

Model	kVA	Type	Throat Depth (mm)	Available Force @ 6 Bar (daN)	Cylinder Dia	Weight without Arms
2915K75	75 AC	C	/	840	100	90
2915K60	60 AC	C	/	840	100	84
2915K54	54 AC	C	/	840	100	81
2915K36	36 AC	C	/	840	100	72
2915K32	32 AC	C	/	840	100	70
2920K75	75 AC	X	300	319	100	98
2920K60	60 AC	X	350	284	100	92
2920K54	54 AC	X	400	255	100	89
2920K36	36 AC	X	450	232	100	80
2920K32	32 AC	X	500	212	100	78
2900K75	75 AC	X	300	500	125	114
2900K60	60 AC	X	350	444	125	108
2900K54	54 AC	X	400	399	125	105
2900K36	36 AC	X	450	363	125	96
2900K32	32 AC	X	500	333	125	94
2901K75	75 AC	X	300	819	160	120
2901K60	60 AC	X	350	728	160	114
2901K54	54 AC	X	400	655	160	111
2901K36	36 AC	X	450	595	160	102
2901K32	32 AC	X	500	545	160	100
2911K75	75 AC	X	300	1280	200	130
2911K60	60 AC	X	350	1137	200	124
2911K54	54 AC	X	400	1023	200	121
2911K36	36 AC	X	450	930	200	112
2911K32	32 AC	X	500	852	200	110

SERVO ROBOT GUNS

X TYPE SERVO ROBOT GUNS

C TYPE SERVO ROBOT GUNS

Main Features

Increase in productivity

The electrode opening can be precisely controlled and travel distance between the spots can be reduced. This results in reduced spotting and traveling time. The electrode opening position can be defined for each spot reducing the opening and closing time of electrodes resulting in reduced spotting time

Precise control on Welding Force

As The welding force is controlled by Current utilized by servo motor, actual force while welding can be controlled precisely. Welding force for each spot can be programmed as per welding requirement of different combination of sheets to be welded

Precise control on Heat Generated (Energy Consumed) while welding

Three important parameters of welding are Current, Time and Resistance. With TECNA constant current secondary feedback Welding Control Current and time are precisely monitored. The contact resistance is dependant on actual force applied while welding. Servo system controls the force accurately resulting in generating required Heat for welding.

Soft Closing

Electrode Closing speed is reduced just before they touch the panel. This results in reduced Dents and increase in electrode life as initial impact of electrodes is avoided.

Correct welding position

This servo system can identify Tip wear, Deflection in arms and tip position. This helps for correct welding position of the gun

Environment Friendly

Operational noise of welding gun is reduced by soft closing also they don't produce air exhaust noise.

Conversation with robot

For the convenience of Integrator and robot manufacturer this system is available with various fieldbus options. Interface modules for fieldbus DeviceNet, Profibus, Ethercat are available as standard, ensuring compatibility of communication protocol with wide range of Robots

After Sales

USP of TECNA in INDIA is after sales and service support. This continues with regional offices with adequate spares

TECHNICAL DETAILS - AC

Model	kVA	Type (C or X)	Throat Depth mm	Available Foroe @ 6Nm Motor (dan)	Available Foroe @ 6Nm Motor (dan)	Weight without Arms and Motor (kg)
2916K75	75AC	C	/	750	880	112
2916K60	60AC	C	/	750	880	106
2916K54	54AC	C	/	750	880	103
2916K36	36AC	C	/	750	880	94
2916K32	32AC	C	/	750	880	92
2923K75	75AC	X	300	511	NO	105
2923K60	60AC	X	350	454	NO	99
2923K54	54AC	X	400	408	NO	96
2923K36	36AC	X	450	371	NO	87
2923K32	32AC	X	500	340	NO	85
2903K75	75AC	X	300	511	942	110
2903K60	60AC	X	350	454	837	104
2903K54	54AC	X	400	408	752	101
2903K36	36AC	X	450	371	683	92
2903K32	32AC	X	500	340	626	90
		X	700	254	469	
2913K75	75AC	X	300	NO	942	115
2913K60	60AC	X	350	NO	837	109
2913K54	54AC	X	400	NO	752	106
2913K36	36AC	X	450	NO	683	97
2913K32	32AC	X	500	NO	626	95
		X	600	NO	536	
		X	700	NO	469	

TRANSFORMER TECHNICAL DATA

Type	Kva@50%	Primary Thermal Current	No Load Voltage	Thermal Current KA
AC	32	56	5.6	4
AC	36	63	6.4	4
AC	54	95	7.1	5.4
AC	60	106	8	5.4
AC	75	132	10	5.4
MFDC	56	39	8.4	4.4
MFDC	90	63.6	9.9	6.1

TECHNICAL DETAILS - MFDC

Model	kVA	Type (C or X)	Throat Depth mm	Available Foroe @ 6Nm Motor (dan)	Available Foroe @ 6Nm Motor (dan)	Weight without Arms and Motor (kg)
2916K90	90MF	C	/	750	880	100
2916K56	56MF	C	/	750	880	92
2923K90	90MF	X	300	511	NO	93
2923K56	56MF	X	350	454	NO	85
		X	400	408	NO	
		X	450	371	NO	
		X	500	340	NO	
		X	600	291	NO	
		X	700	254	NO	
2903K90	90MF	X	300	511	942	98
2903K56	56MF	X	350	454	837	90
		X	400	408	752	
		X	450	371	683	
		X	500	340	626	
		X	600	291	536	
		X	700	254	469	
2913K90	90MF	X	300	NO	942	103
2913K56	56MF	X	350	NO	837	95
		X	400	NO	752	
		X	450	NO	683	
		X	500	NO	626	
		X	600	NO	536	
		X	700	NO	469	

OPTIONS AVAILABLE

As a standard Tecna robot guns are supplied with Copper arms. Option for Aluminum arms is also available.

Tecna Robot Guns are also available with Pneumatic and Servo Pneumatic Systems.

Apart from standard designs, special designs also can be supplied under request.



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