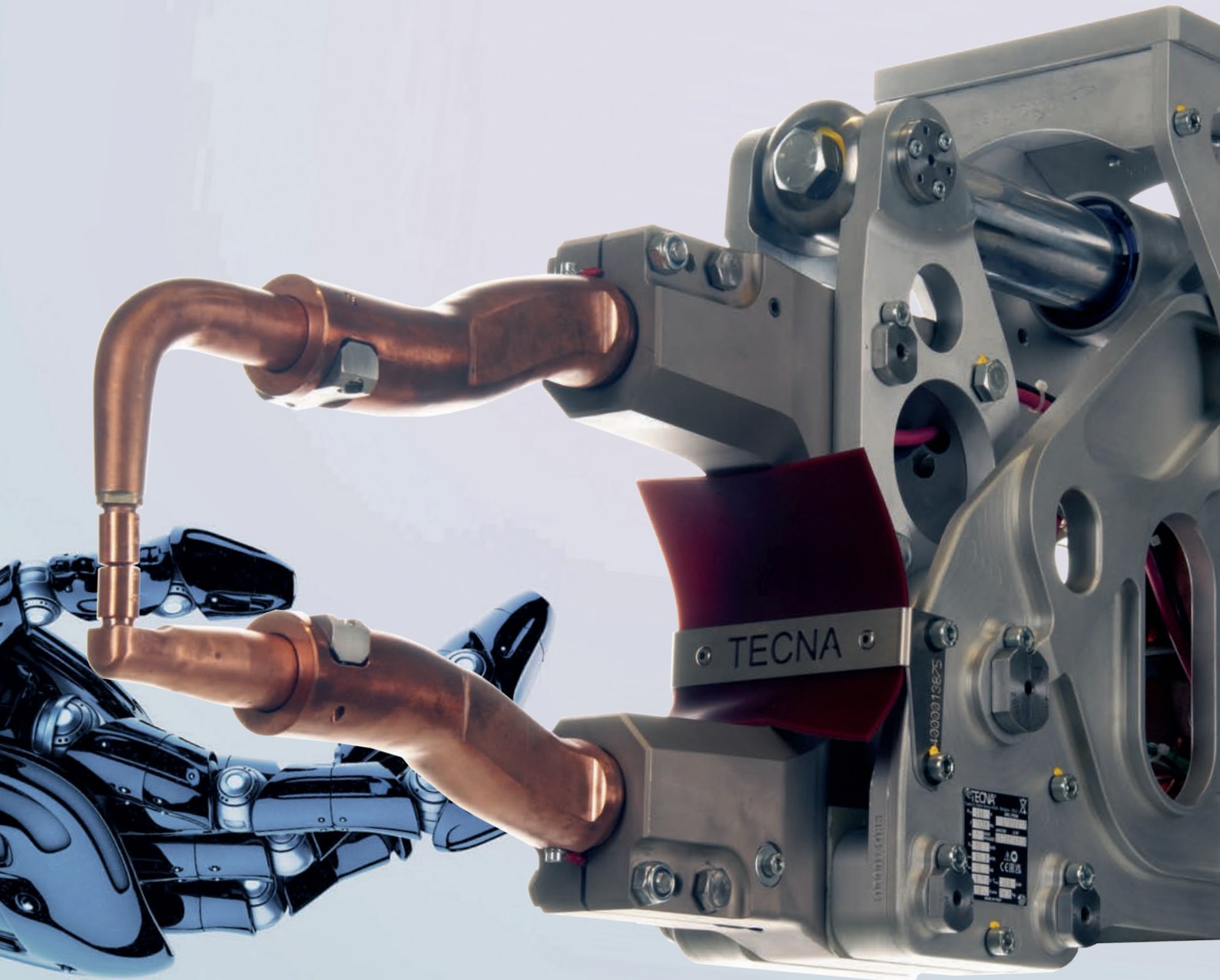


TECNA[®]

Resistance Welding Systems & Balancers

**spot welding solutions
for automation**



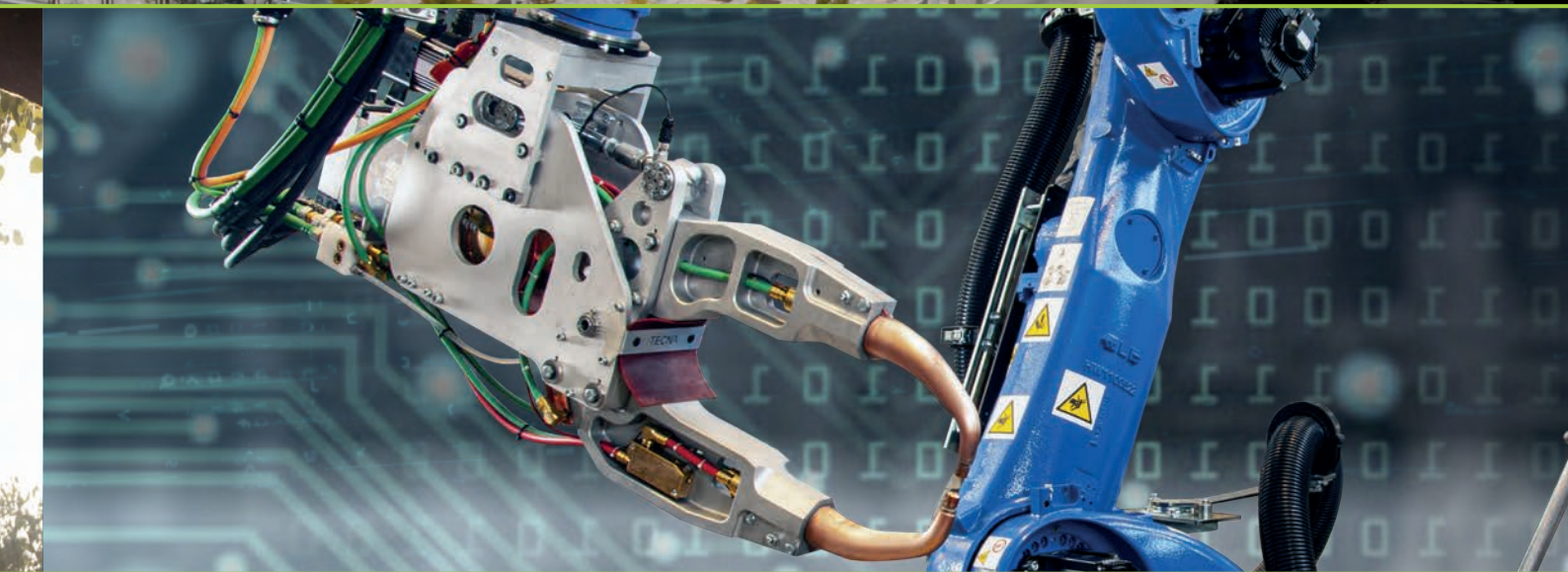
www.tecna.net





TECNA S.P.A. - VIA MEUCCI, 27 - CASTEL SAN PIETRO TERME





TECNA, sinonimo di Saldatura a Resistenza, si inserisce in un mercato in costante evoluzione progettando e costruendo Saldatrici a Resistenza da 46 anni. La passione per la tecnica e la genialità nella progettazione permettono all'azienda di diventare S.n.c. nel 1985 ed S.p.a. nel 1988.

Oggi la sede principale di Via Meucci, 27 in Castel San Pietro Terme (Bo) è sede legale, amministrativa e produttiva, mentre la sede di Via Grieco, 25/27 è una seconda sede produttiva e operativa. Questa esperienza qualifica TECNA come fornitore di importanti case automobilistiche e grandi multinazionali operanti nell'ambito industriale. Le puntatrici TECNA sono approvate ed omologate dalla migliori case automobilistiche per l'utilizzo in carrozzerie autorizzate. In questi anni, è diventata un'azienda di grande importanza specializzandosi in una vasta gamma di prodotti che vanno dalle macchine per la Saldatura a Resistenza in ambito industriale con tecnologie monofase, trifase ad inverter, trifase D.C. e a Scarica di Condensatori fino alle macchine per la Saldatura e Riparazione in Carrozzeria con controlli di saldatura di ultima generazione con tecnologia inverter a basso consumo energetico.

By designing and building resistance welders for 46 years TECNA, synonymous with Resistance Welding, is part of a market undergoing constant evolution. Passion for technology and design talent allowed the company to turn into an Snc one in 1985 and into an S.p.a. in 1988.

Today, the headquarters of Via Meucci, 27 in Castel San Pietro Terme (BO) are the head and registered office while the plant in Via Grieco, 25/27 stands for a second manufacturing plant.

This experience qualifies TECNA as a supplier of major car manufacturers and large multinational companies operating in industrial fields. The TECNA welders are approved and homologated by top car manufacturers for being used by authorized car body shops. In the past years, TECNA has become a very important company by specializing in a wide range of products ranging from welding machines for industrial applications equipped with single-phase, three-phase inverter, three-phase DC and capacitor discharge technologies up to machines for car body welding and repair provided with welding controls of the last generation equipped with low power consumption inverter technology.

TECNA, sinónimo de soldadura por resistencia, pertenece a un mercado en constante evolución con proyectos y fabricación de sistemas de soldadura por resistencia a lo largo de 46 años. Gracias a la pasión por la técnica, sumada a la genialidad en el proyecto TECNA, se constituyó en el 1985 como TECNA persona física y en el 1988 como TECNA S.A.

Hoy la matriz, con domicilio en Castel San Pietro Terme (BO), Via Meucci, 27, es la oficina principal, administrativa y de producción así como el establecimiento de Via Grieco, 25/27 es la segunda oficina de producción. A lo largo de esta experiencia TECNA se destaca como proveedor de importantes casas automotrices y de grandes empresas multinacionales del sector industrial. Las punteadoras TECNA han sido aprobadas y homologadas por las mejores casas automotrices para su empleo en los talleres autorizados. En los años pasados TECNA consiguió una fama de alto nivel dedicándose y ampliando la gama de sus productos que abarca sistemas para la soldadura por resistencia en el sector industrial con tecnologías monofásicas, trifásicas inverter, trifásicas D.C. y de descarga de condensadores hasta sistemas para soldadura y reparación de carrocería con controles de soldadura de última generación de tecnología inverter con bajo gasto energético.

INDUSTRIAL RESISTANCE WELDING SYSTEMS

CAR BODY REPAIR TECHNOLOGIES

BALANCERS



Inoltre, vanta una linea di prodotti che possono essere considerati "accessori" delle macchine per la Saldatura a Resistenza come i Controlli di Saldatura digitali, gli Strumenti di Misura e i Bilanciatori.

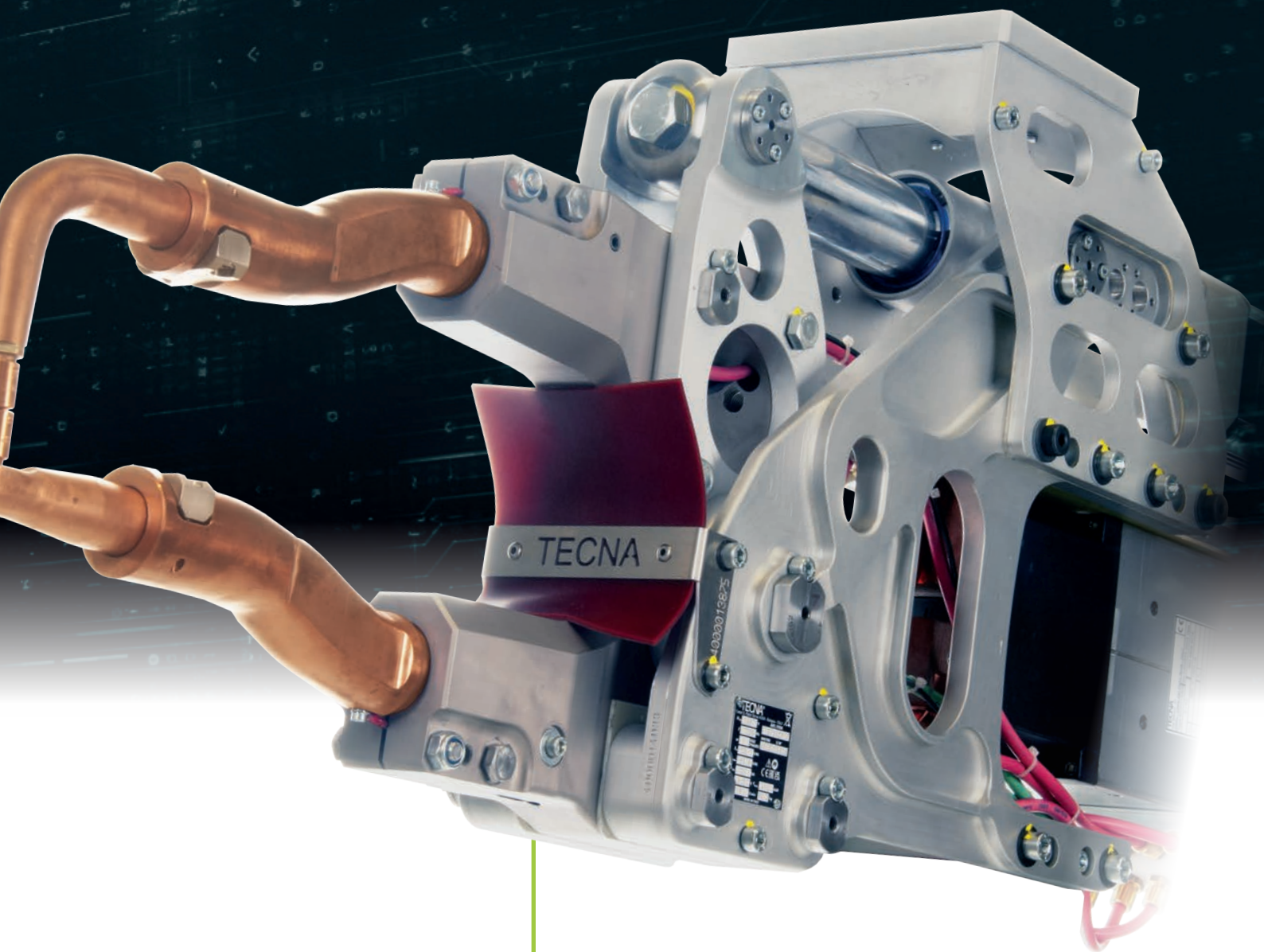
TECNA da sempre sviluppa i suoi prodotti mirando alla migliore qualità e al minor impatto ambientale. Ogni singolo passo all'interno dell'azienda che vada dalla progettazione, alla produzione, alle vendite che fluiscono attraverso diversi canali a seconda della destinazione finale del prodotto, è accuratamente seguito. In questi anni ha creato una rete capillare di agenti e distributori in tutto il mondo.

It also boasts a line of products that can be considered "accessories" of the Resistance Welding machines like Digital Welding Controls, Measurement Instruments and Balancers.

TECNA has always developed its products aiming at better quality and reduced environmental impact. Each step within the company is carefully followed: from design, to production, to sales flowing through different channels depending on the final destination of the product. In recent years, it has created an extensive network of agents and distributors around the world.

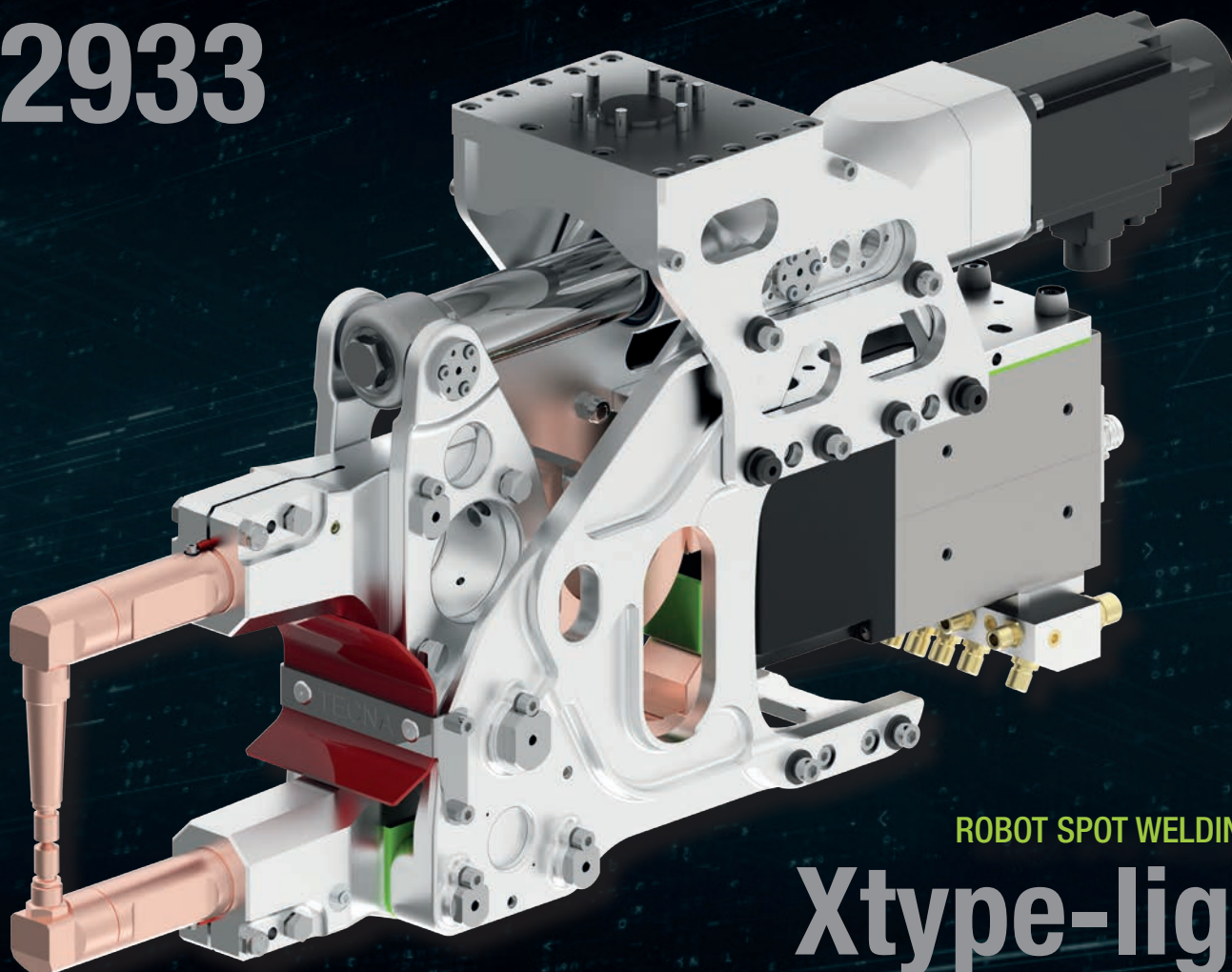
A todo eso se suma una amplia gama de productos que pueden ser considerados "accesorios" de los sistemas de Soldadura por Resistencia como los Controles de soldadura digital, Equipos de Medición y Equilibradores.

TECNA desde siempre enfocó sus proyectos consiguiendo la mejor calidad de sus productos reduciendo los impactos negativos para el ambiente. Cada paso en la empresa, desde el proyecto, la producción y las ventas que fluyen a través de diferentes distribuidores, según la destinación final del producto, son el resultado de un análisis extremadamente cuidadoso. TECNA, fue capaz de generar en estos últimos años, una red de agentes y distribuidores capaces de atender solicitudes provenientes de cualquier parte del mundo.



**servomotor
spot welding gun**

2933



ROBOT SPOT WELDING GUN

Xtype-light

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

general data

		Actuator sizes
Welding force, daN	Arm lenght	4,9 Nm
	300 mm	600 daN
	450 mm	470 daN
	600 mm	380 daN
*Gun mass, kg		74,9 kg

motor

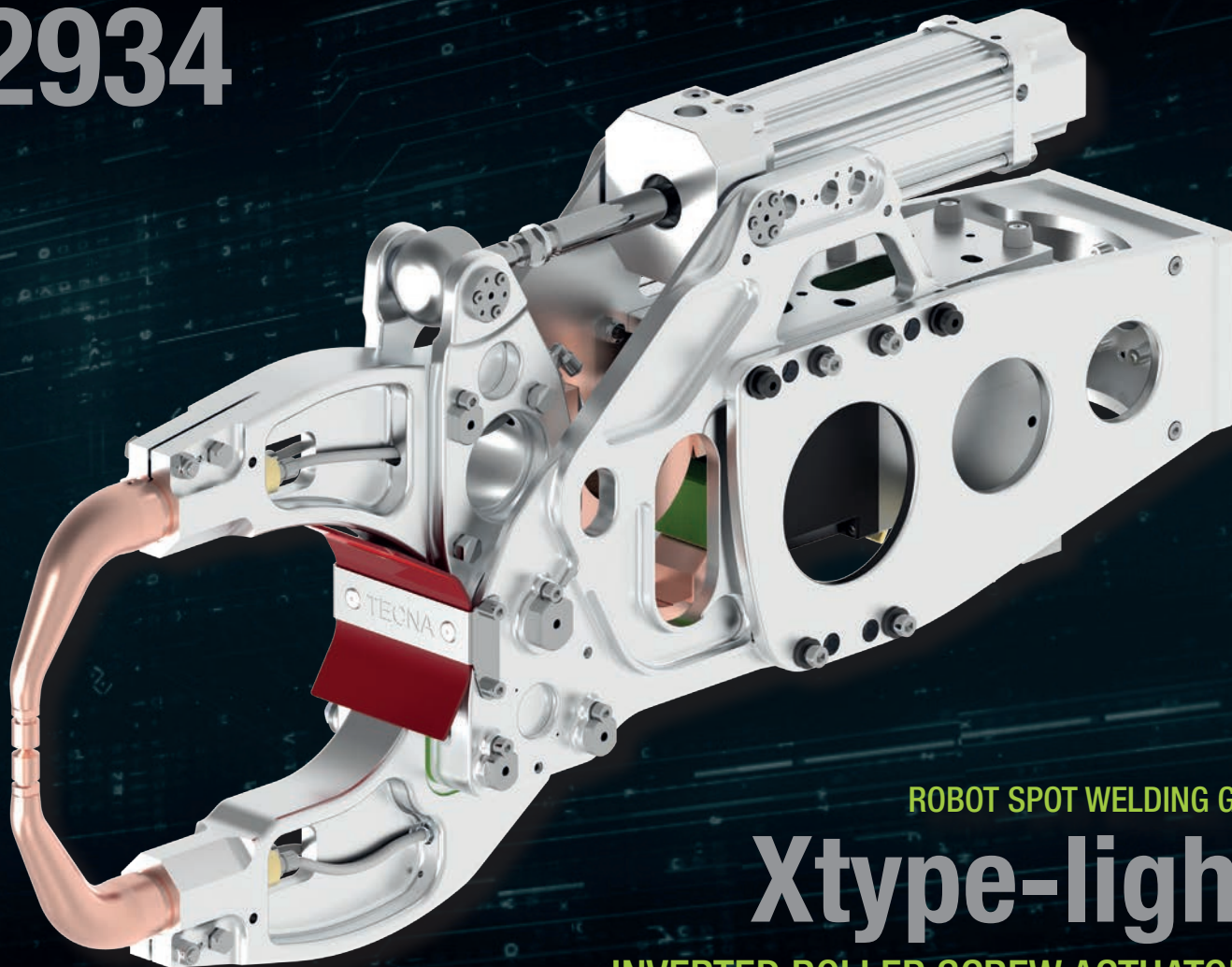
Servomotor speed, rpm	3000 rpm
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transformer

Type	MFDC 90 kVA 400V/50 Hz Light	MFDC 90 kVA 480V/60 Hz Light
S_{1P}	63,6 kVA	63,6 kVA
U_{20}	9,1 V	9,1 V
I_{2P}	6 kA	6 kA
U_{1N}	500 V / 1000 Hz	635 V / 1000 Hz
weight	16 kg	16 kg
water cooling	4 l/min	4 l/min

* The weight of the guns is with 300 mm arms, with arm fitting and with power transformer.

2934



ROBOT SPOT WELDING GUN

Xtype-light

INVERTED ROLLER SCREW ACTUATORS

general data

		Actuator sizes	EXLAR GTW80	TOLOMATIC CSWX-3
Welding force, daN	Arm length		12 Nm	11 Nm
	300 mm		600 daN	600 daN
	450 mm		550 daN	550 daN
	600 mm		420 daN	420 daN
*Gun mass, kg			69 kg	--- kg

motor

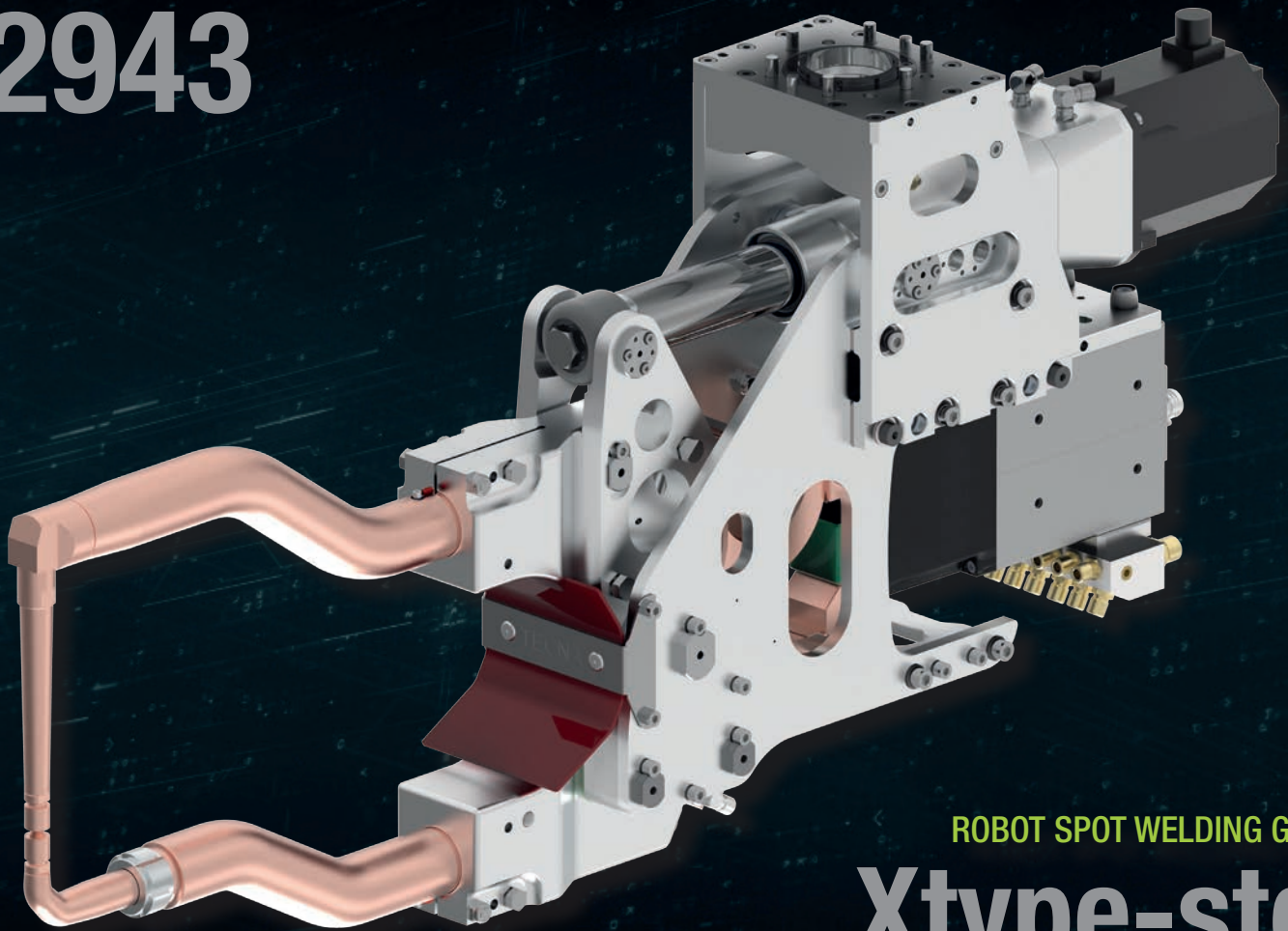
Servomotor speed, rpm	3000 rpm
-----------------------	----------

transformer

Type	MFDC 90 kVA 400V/50 Hz Light	MFDC 90 kVA 480V/60 Hz Light
S_{1P}	63,6 kVA	63,6 kVA
U_{20}	9,1 V	9,1 V
I_{2P}	6 kA	6 kA
U_{1N}	500 V / 1000 Hz	635 V / 1000 Hz
weight	16 kg	16 kg
water cooling	4 l/min	4 l/min

* The weight of the guns is with 300 mm arms, with arm fitting and with power transformer.

2943



ROBOT SPOT WELDING GUN

Xtype-std

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

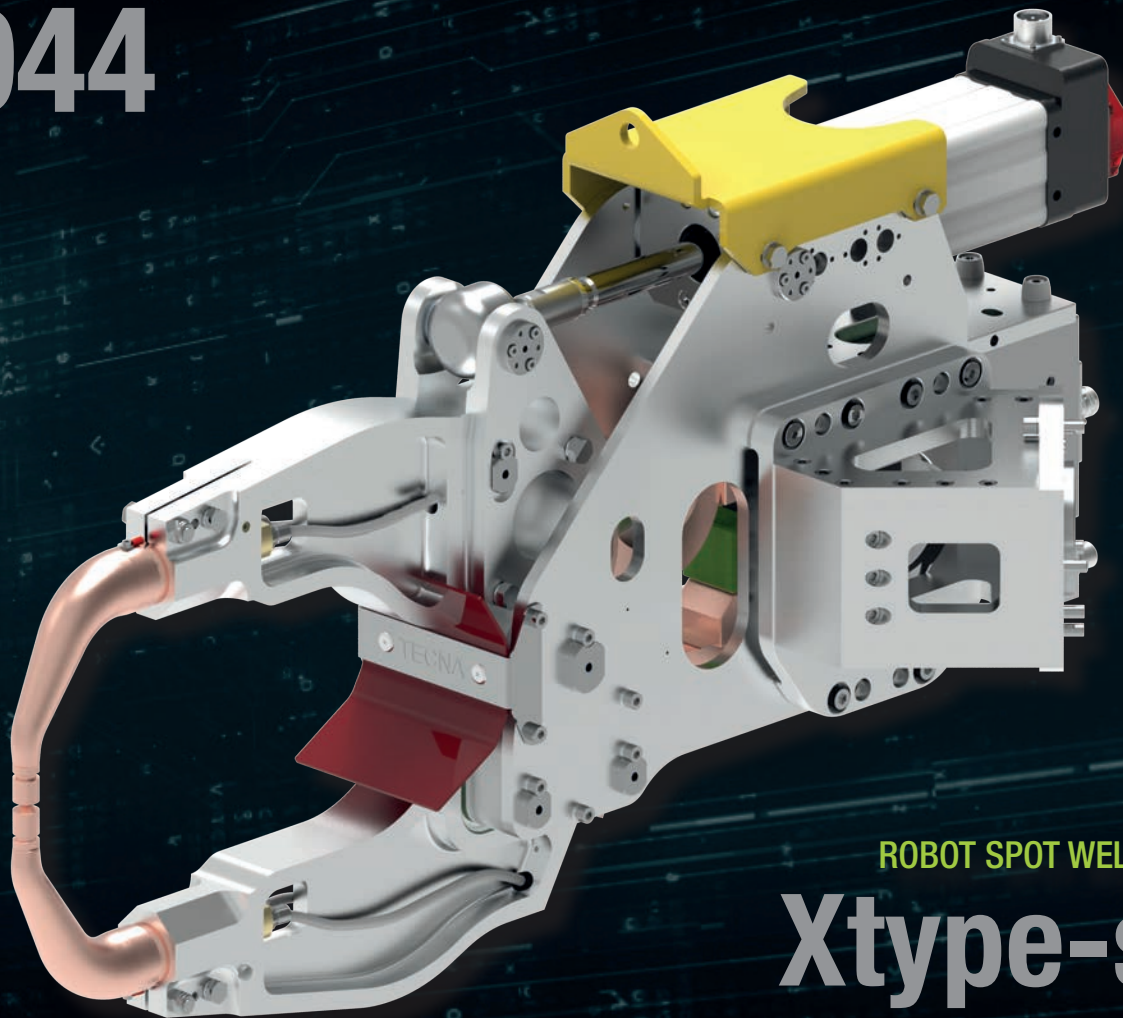
general data				
		Actuator sizes		
Welding force, daN	Arm lenght	6 Nm	9,5 Nm	11 Nm
	300 mm	800 daN	850 daN	850 daN
	450 mm	550 daN	750 daN	750 daN
	600 mm	420 daN	650 daN	650 daN
*Gun mass, kg		85 kg		

motor	
Servomotor speed, rpm	3000 rpm

transformer		
Type	MFDC 90 kVA 400V/50 Hz Heavy	MFDC 90 kVA 480V/60 Hz Heavy
S_{1P}	63,6 kVA	63,6 kVA
U_{20}	9,1 V	9,1 V
I_{2P}	6,75 kA	6,75 kA
U_{1N}	500 V / 1000 Hz	635 V / 1000 Hz
weight	17,5 kg	17,5 kg
water cooling	4 l/min	4 l/min

* The weight of the guns is with 300 mm arms, with arm fitting and with power transformer.

2944



ROBOT SPOT WELDING GUN

Xtype-std

INVERTED ROLLER SCREW ACTUATORS

general data

		Actuator sizes	EXLAR GTW100	TOLOMATIC CSWX-4
Welding force, daN	Arm length		12 Nm	11 Nm
	300 mm		850 daN	850 daN
	450 mm		750 daN	750 daN
	600 mm		650 daN	650 daN
*Gun mass, kg			83,4 kg	82,6 kg

motor

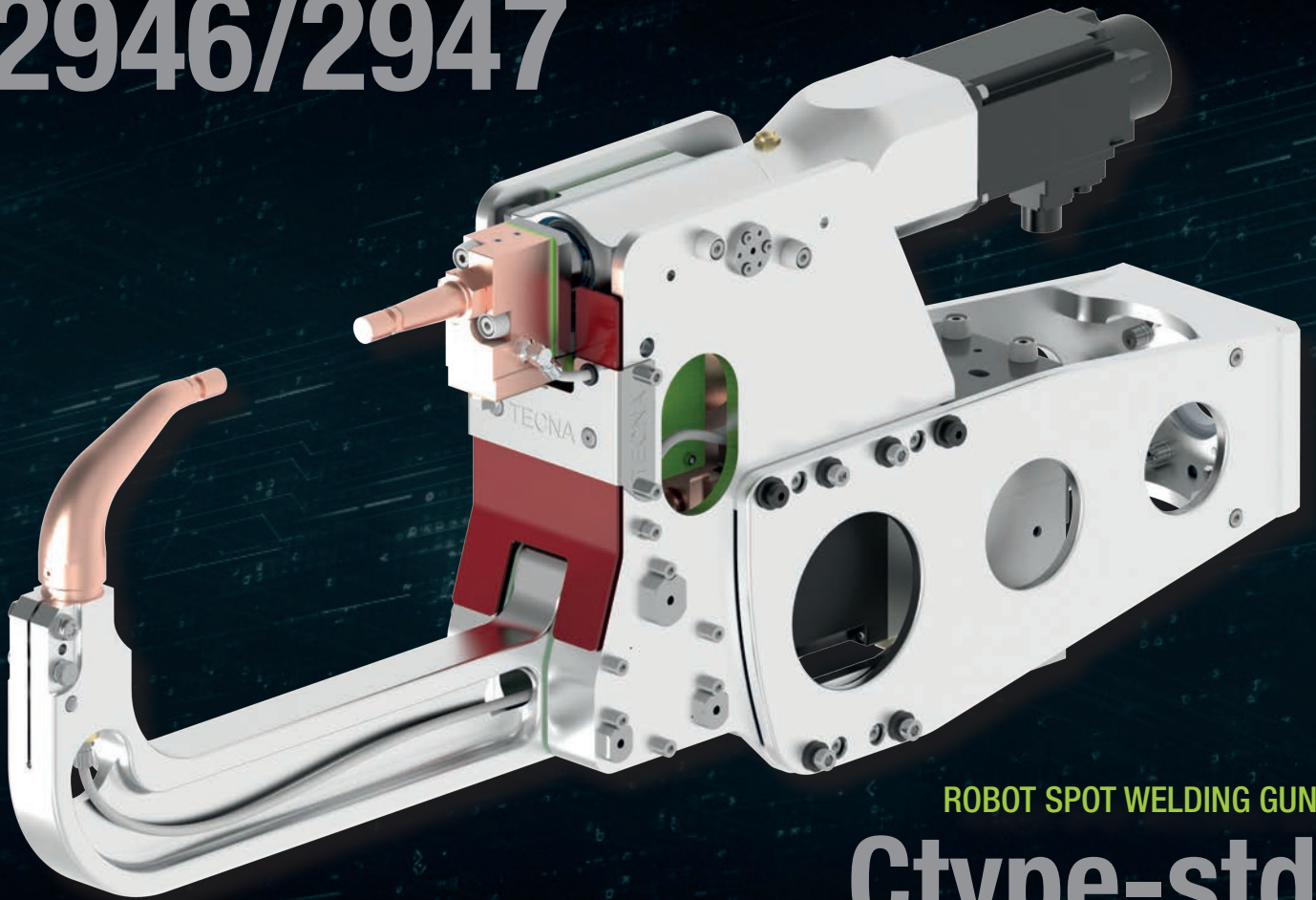
Servomotor speed, rpm		3000 rpm
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transformer

Type	MFDC 90 kVA 400V/50 Hz Heavy	MFDC 90 kVA 480V/60 Hz Heavy
S_{1P}	63,6 kVA	63,6 kVA
U_{20}	9,1 V	9,1 V
I_{2P}	6,75 kA	6,75 kA
U_{1N}	500 V / 1000 Hz	635 V / 1000 Hz
weight	17,5 kg	17,5 kg
water cooling	4 l/min	4 l/min

* The weight of the guns is with 300 mm arms, with arm fitting and with power transformer.

2946/2947



ROBOT SPOT WELDING GUN

Ctype-std

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

general data		2946	2947
			EXLAR GTW80
Actuator sizes			
Welding force, daN	Arm lenght	4,9 Nm	4,5 Nm
	100mm	500 daN	500 daN
	150mm	500 daN	500 daN
*Gun mass, kg		83 kg	73 kg

motor

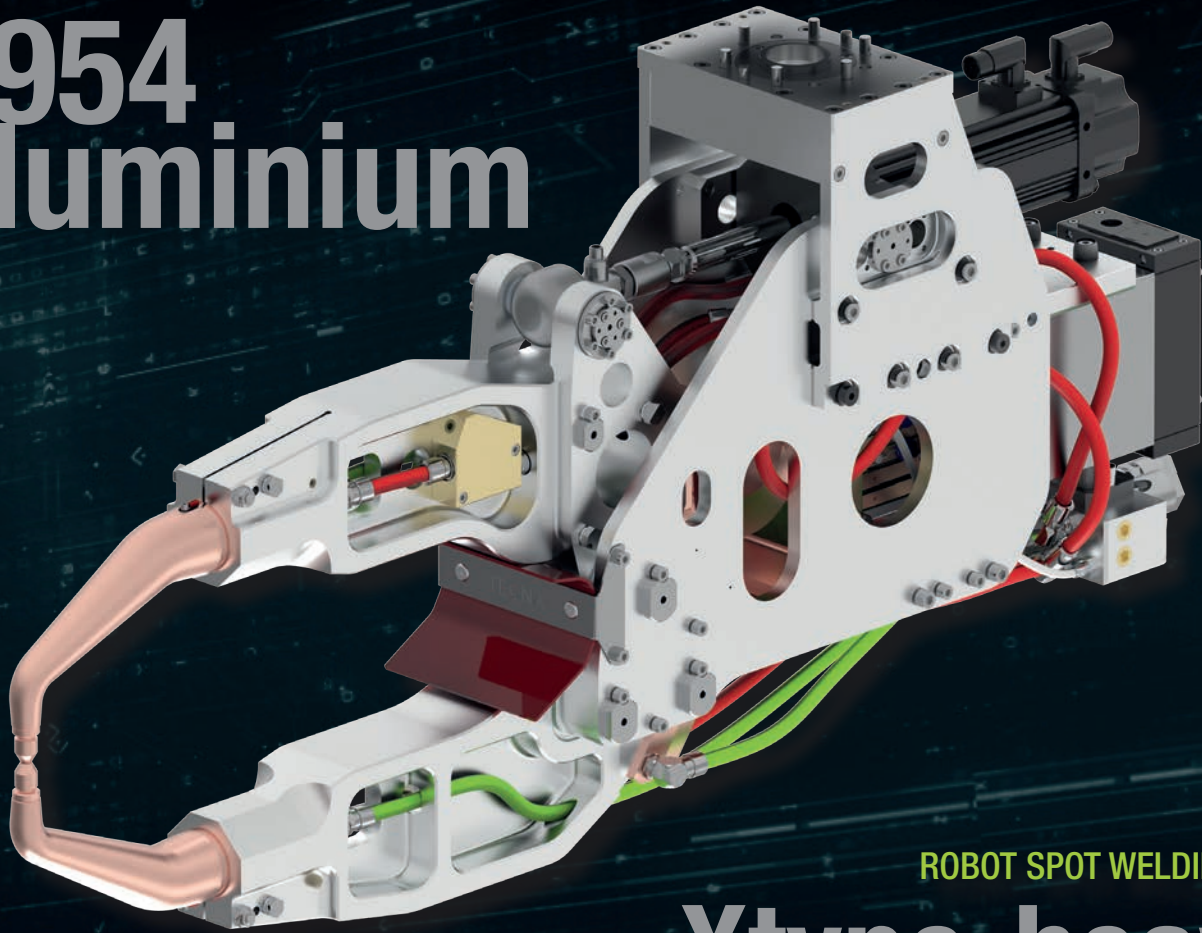
Servomotor speed, rpm	3000 rpm
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transformer

Type	MFDC 90 kVA 400V/50 Hz Light	MFDC 90 kVA 480V/60 Hz Light
S_{1P}	63,6 kVA	63,6 kVA
U₂₀	9,1 V	9,1 V
I_{2P}	6 kA	6 kA
U_{1N}	500 V / 1000 Hz	635 V / 1000 Hz
weight	16 kg	16 kg
water cooling	4 l/min	4 l/min

* The weight of the guns is with arms, with arm fitting and with power transformer.

2954 aluminium



ROBOT SPOT WELDING GUN

Xtype-heavy

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

general data

		Actuator sizes	EXLAR GSX40	EXLAR GTW100
Welding force, daN	Arm length		8,89 Nm	12,23 Nm
	450 mm		900 daN	900 daN
	600 mm		600 daN	800 daN
*Gun mass, kg			150 kg	

motor

Servomotor speed, rpm	3000 rpm
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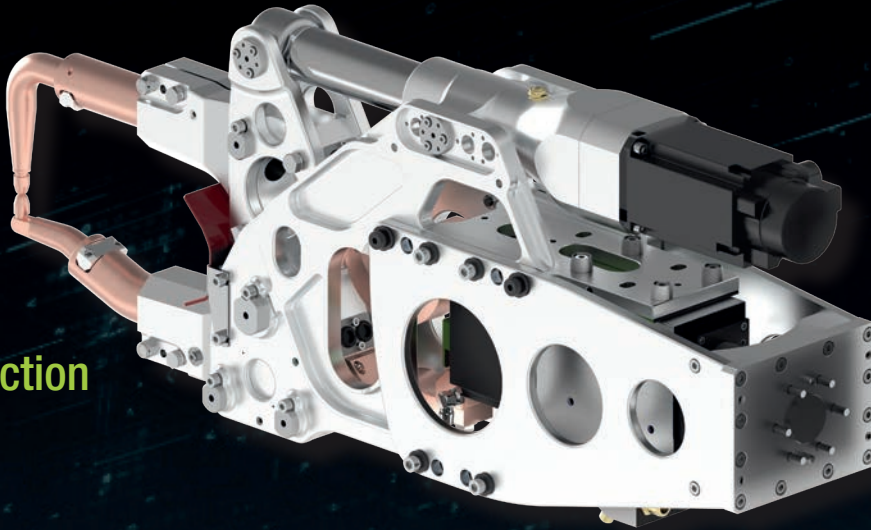
transformer

Type	MFDC 160 kVA 400V/50 Hz	MFDC 160 kVA 480V/60 Hz
I_{2CC}	42 kA	42 kA
S_{1P}	113,1 kVA	113,1 kVA
U_{20}	9,1 V	12,3 V
I_{2P}	8,82 kA	8,82 kA
U_{1N}	500 V / 1000 Hz	635 V / 1000 Hz
weight	31,8 kg	31,8 kg
water cooling	8,8 l/min	8,8 l/min

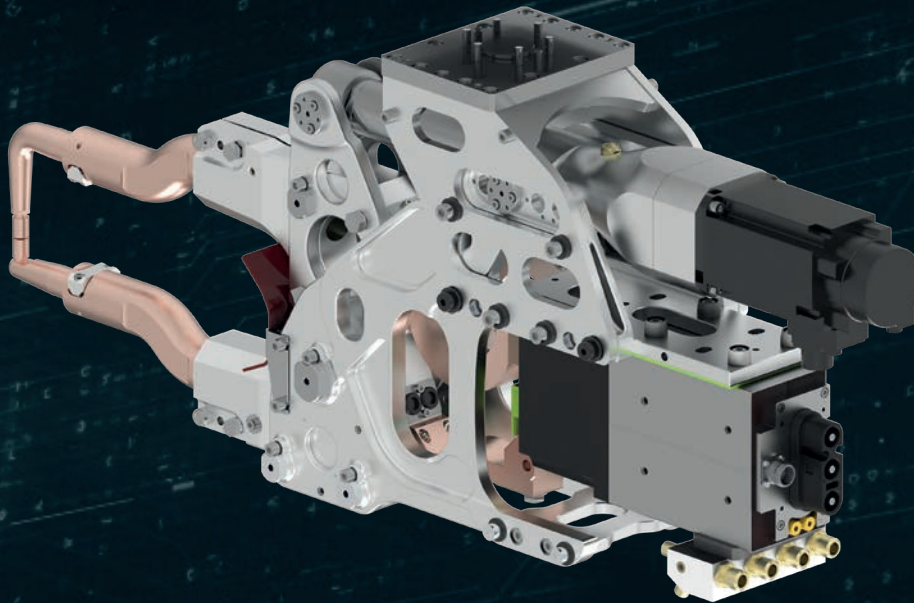
* The weight of the guns is with 450 mm arms, with arm fitting and with power transformer.

gun coupling to robot

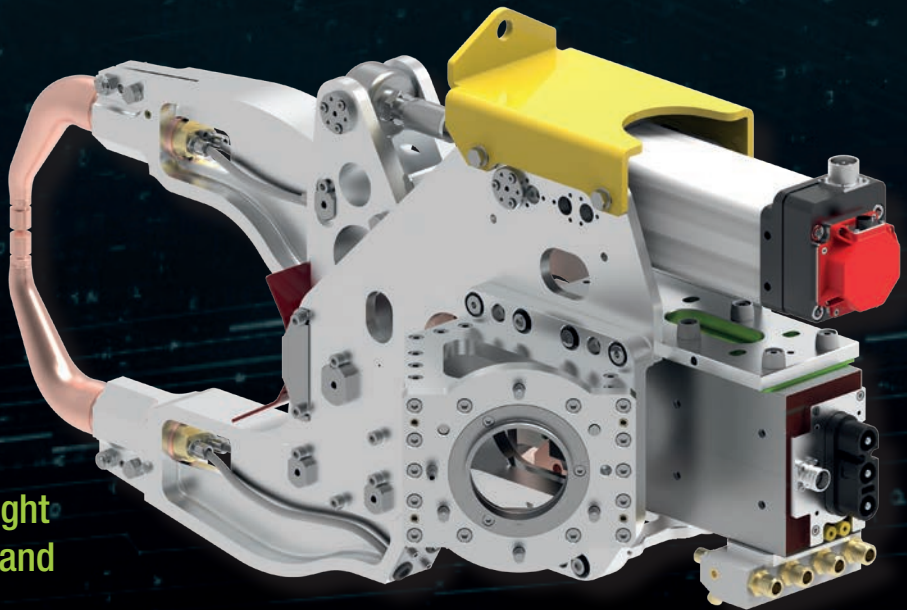
REAR connection



TOP connection



45° connection
every guns is available in its right
or left MIRROR configuration and
symmetrical Guns



options

actuator load cell

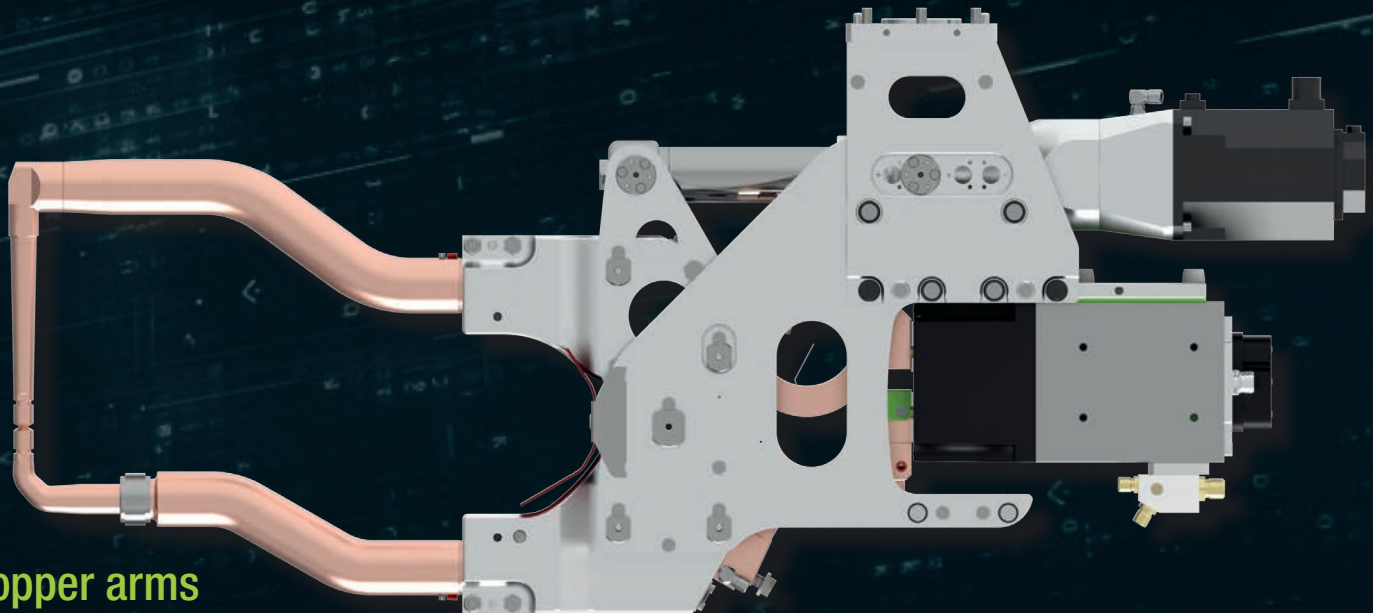
Only for light-type welding gun
2933/2934/2943/2944/2954



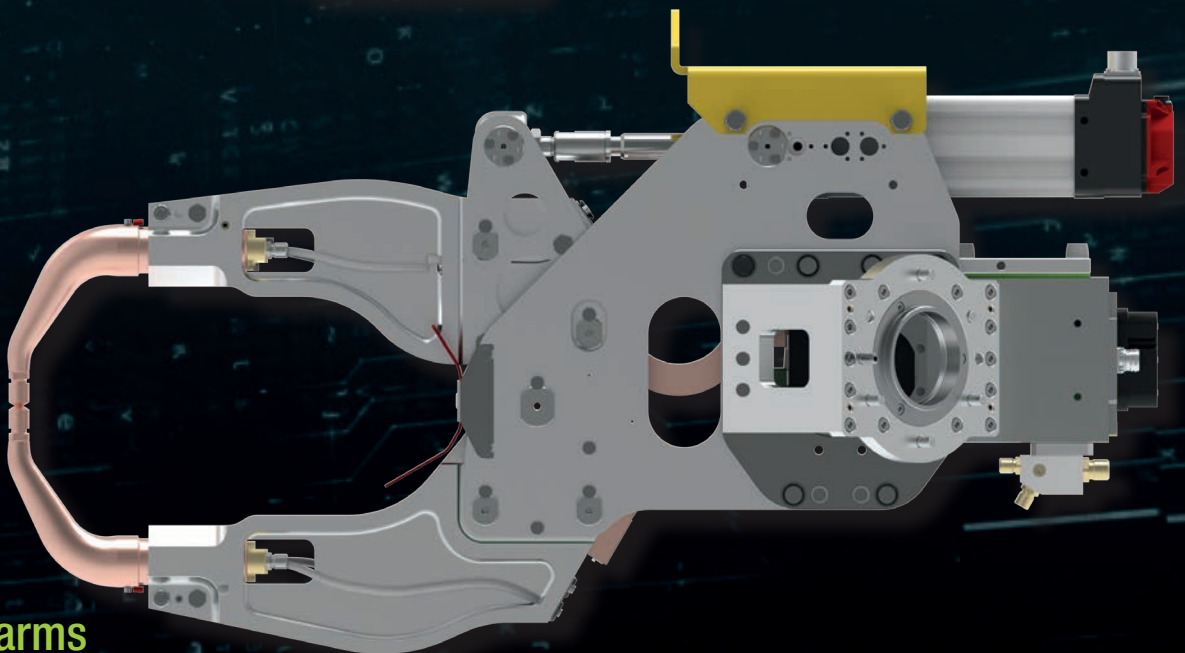
cooling servomotor



welding arms configuration



copper arms



aluminum arms

welding arms configuration

SLIMLINEROBOTGUNARM&HOLDERVARIANTS

Designcode	Designshape	Designcode	Designshape
II91020053		II91020099	
II91020100		II91020106	
II91020200		II91020201	
II91020204		II91020205	
II91020206		II91020207	

welding arms configuration

SLIMLINEROBOTGUNARM&HOLDERVARIANTS


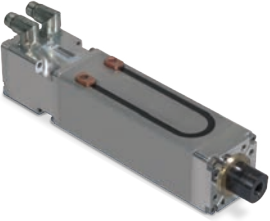

Designcode	Designshape	Designcode	Designshape
II91020208		II91020212	
II91020213		II91020215	
II91020216		II91020217	
II91020218		II91020219	
II91020221		II91020222	

welding arms configuration





SLIMLINEROBOTGUNARM&HOLDERVARIANTS

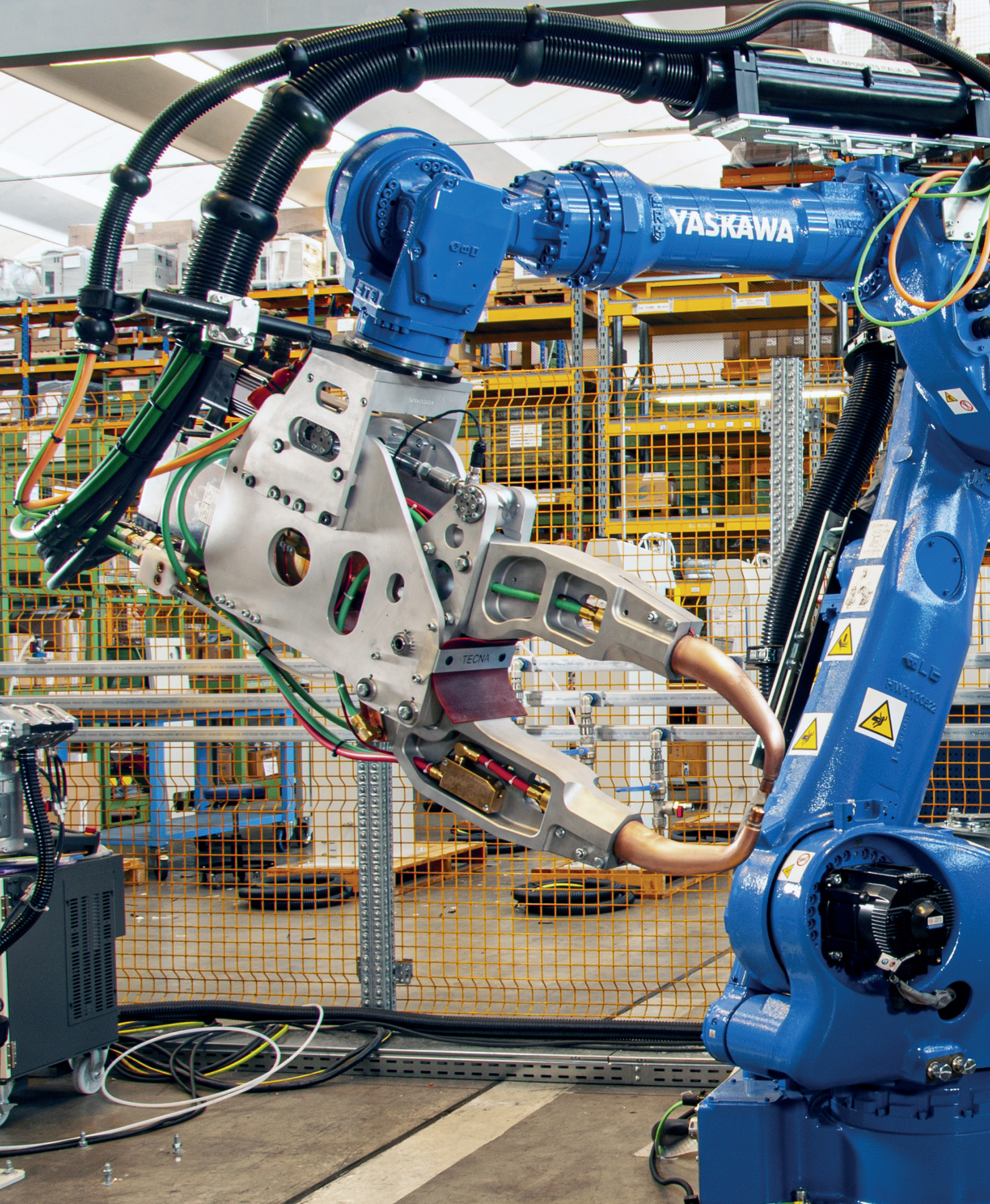
Designcode	Designshape	Designcode	Designshape
II91020223	<p>CONO 20 CONE 20</p>	II91020227	<p>CAPS ISO 5821 TIPO "A" D.13 CAPS ISO 5821 TIPO "E" D.13</p>
II91020228	<p>CONO 12 CONE 12</p>	II91020229	<p>CAPS ISO 5821 TIPO D D.20 TIPO C</p>
II91020230	<p>ELETTRODO A CAPS D.16 L=20 CONO 12 1:10 TIPO G ISO 5821</p>	II91020231	<p>CONO 15 CONE 15</p>
II91020232	<p>ELETTRODO A CAPS D.20 L=22 CONO 15 1:10 TIPO F ISO 1119</p>	II91020233	<p>CONO 10 CONE 10</p>

type of servomotor

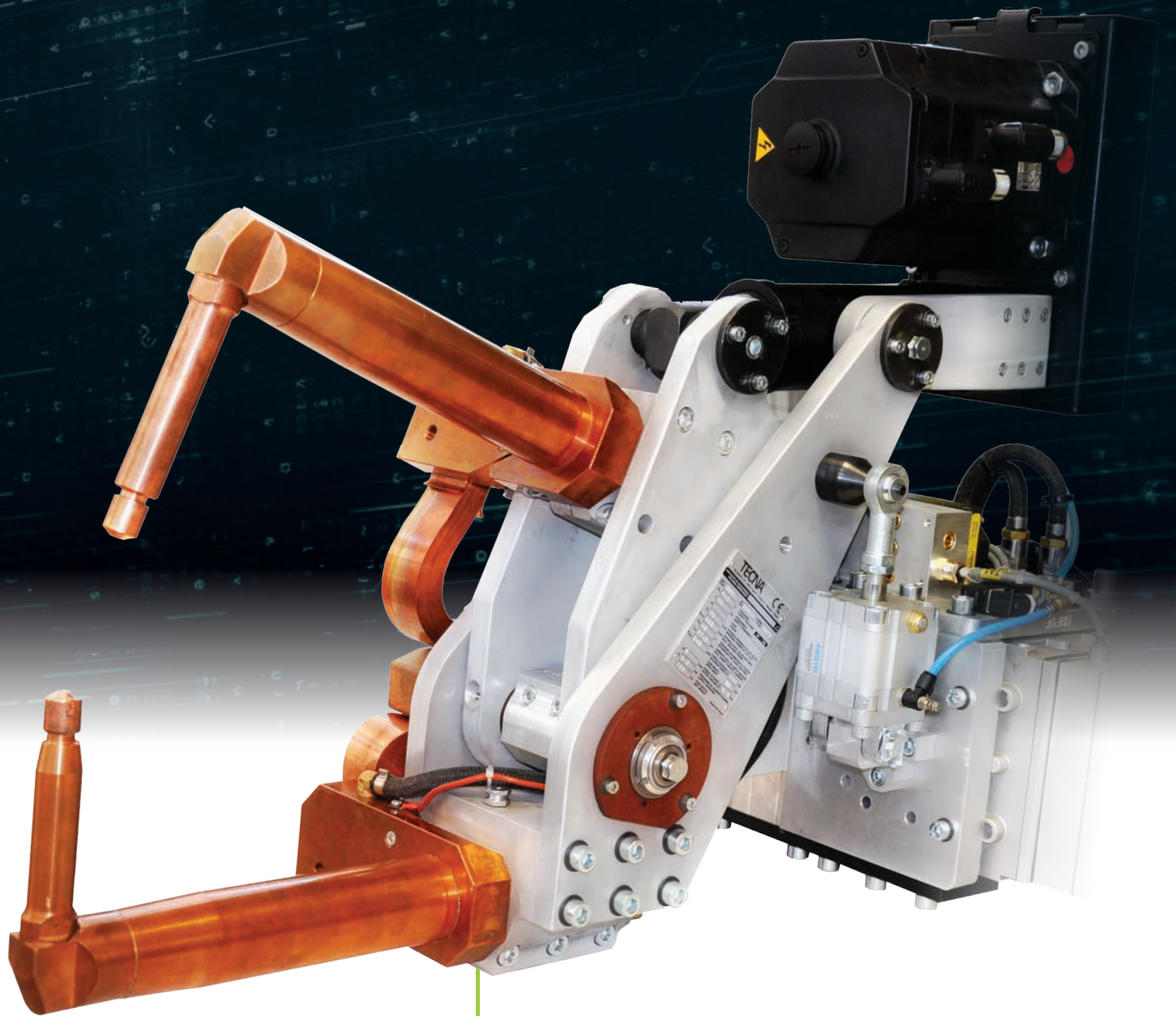
THIRD PART MOTOR					
	Producer	Model	Absorption [kW]	Rated Torque [Nm]	Weight [kg]
	Exlar	GTW80	1,127	4,51	6,8
		GTW100	2,829	12,23	13,1
	Tolomatic	CSW-3	1,0	4,4 [no water cooling]	7,8
			2,0	8,8 [water cooling]	
		CSW-4	1,9	8,4 [no water cooling]	12,2
			3,8	16,7 [water cooling]	
	Diakont	DA99	1,8	7,9	12,7

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

	Producer	Model	Absorption [kW]	Rated Torque [Nm]	Weight [kg]
	Yaskawa	SGM7A-20A	2	6,36	6,8
	Fanuc	BiS12-3000 B	1,8	11	11,9
	ABB	MU200	1,5	6,4	10,3
	Kawasaki	R2AA13200 LCP2S	2	9,5	n.d.
	Hyundai	TSM3508	3,7	11,7	11,9
	Kuka	MG110-130	2,4	5,8	13,8
	Nachi	W-L02152	2	9,5	12

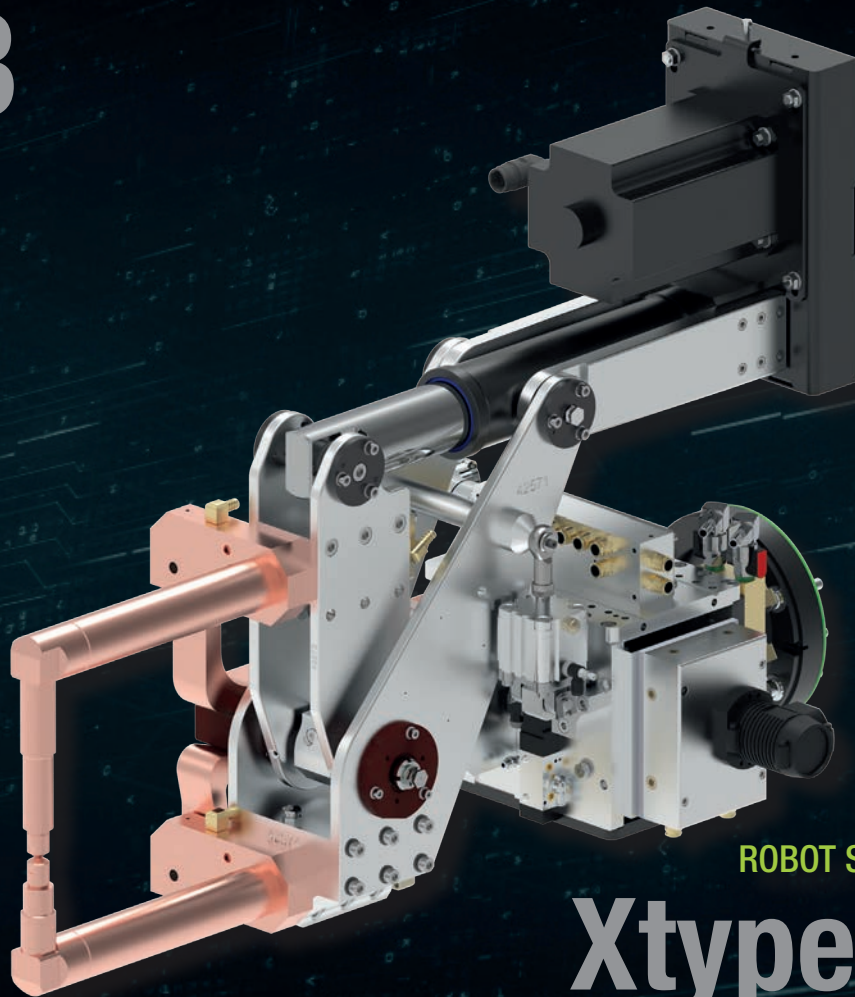


**new generation
servomotor spot welding gun**



**belt driven servomotor
spot welding gun**

2923



ROBOT SPOT WELDING GUN

Xtype-light

BELT DRIVEN TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

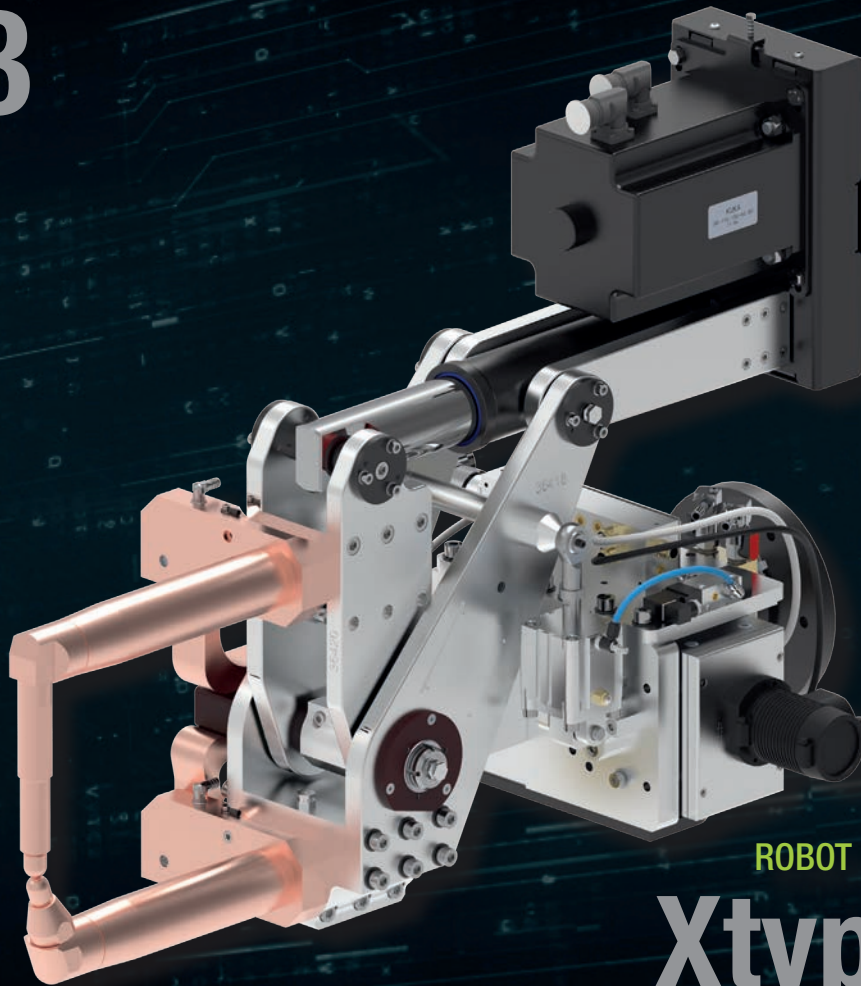
general data					
		Actuator sizes		6 Nm	
		Arm code [length]		Arm code [length]	
Welding force, daN	4921 [300 mm]	509 daN		4925 [500 mm]	339 daN
	4922 [350 mm]	453 daN		4926 [600 mm]	290 daN
	4923 [400 mm]	407 daN		4927 [700 mm]	254 daN
	4924 [450 mm]	371 daN			
*Gun mass, kg		44			

motor	
Servomotor speed, rpm	3000 rpm

transformer	
Type	MFDC 90 kVA 400V/50 Hz [40090]
S_{1P}	63,6 kVA
U_{20}	9,9 V
I_{2P}	6,1 kA
U_{1N}	500 V / 1000 Hz
weight	27,3 kg
water cooling	6 l/min

* The weight of the guns is meant without arms, without arm fitting and without power transformer.

2903



ROBOT SPOT WELDING GUN

Xtype-std

BELT DRIVEN TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

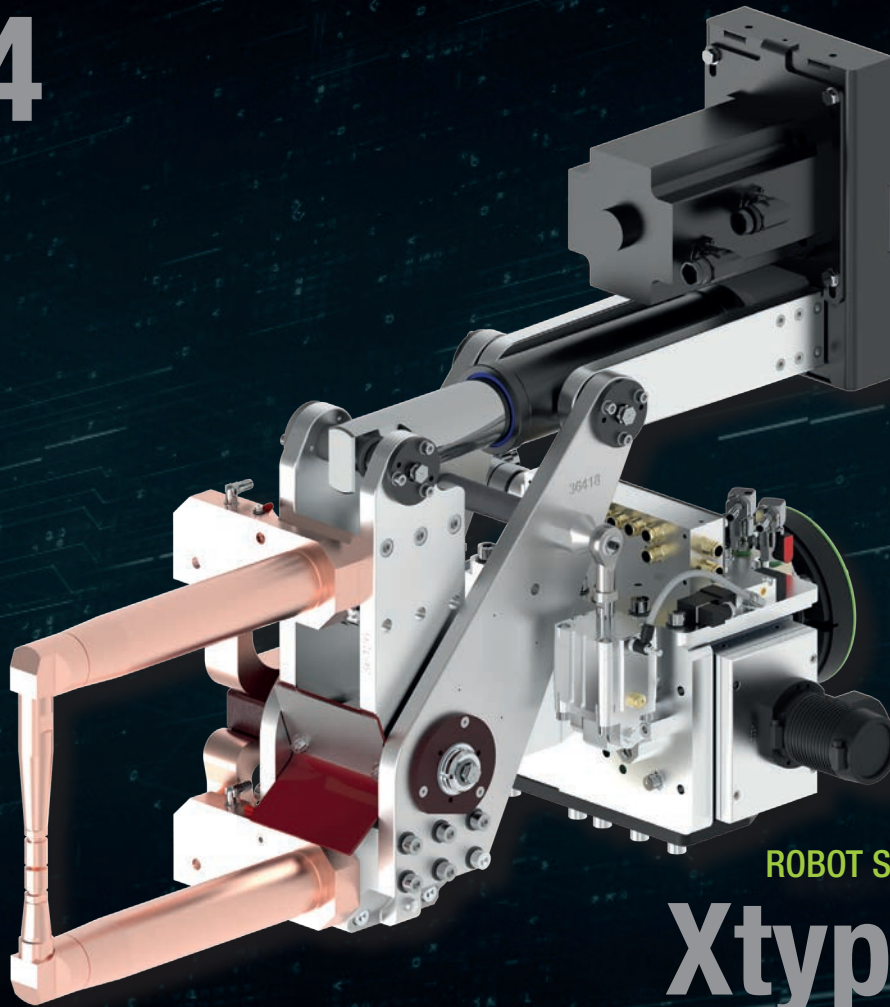
general data					
		Actuator sizes		11 Nm	
		Arm code [length]		Arm code [length]	
Welding force, daN	4901 [300 mm]	939 daN		4905 [500 mm]	625 daN
	4902 [350 mm]	834 daN		4906 [600 mm]	535 daN
	4903 [400 mm]	750 daN		4907 [700 mm]	468 daN
	4904 [450 mm]	682 daN			
	*Gun mass, kg		56		

motor	
Servomotor speed, rpm	3000 rpm

transformer		
Type	MFDC 90 kVA 400V/50 Hz [40090]	MFDC 90 kVA 480V/60 Hz [4000012471]
S_{1P}	63,6 kVA	63,6 kVA
U_{20}	9,9 V	10,2 V
I_{2P}	6,1 kA	5,94 kA
U_{1N}	500 V / 1000 Hz	635 V / 1000 Hz
weight	27,3 kg	27,3 kg
water cooling	6 l/min	6 l/min

* The weight of the guns is meant without arms, without arm fitting and without power transformer.

2904



ROBOT SPOT WELDING GUN

Xtype-std

BELT DRIVEN TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

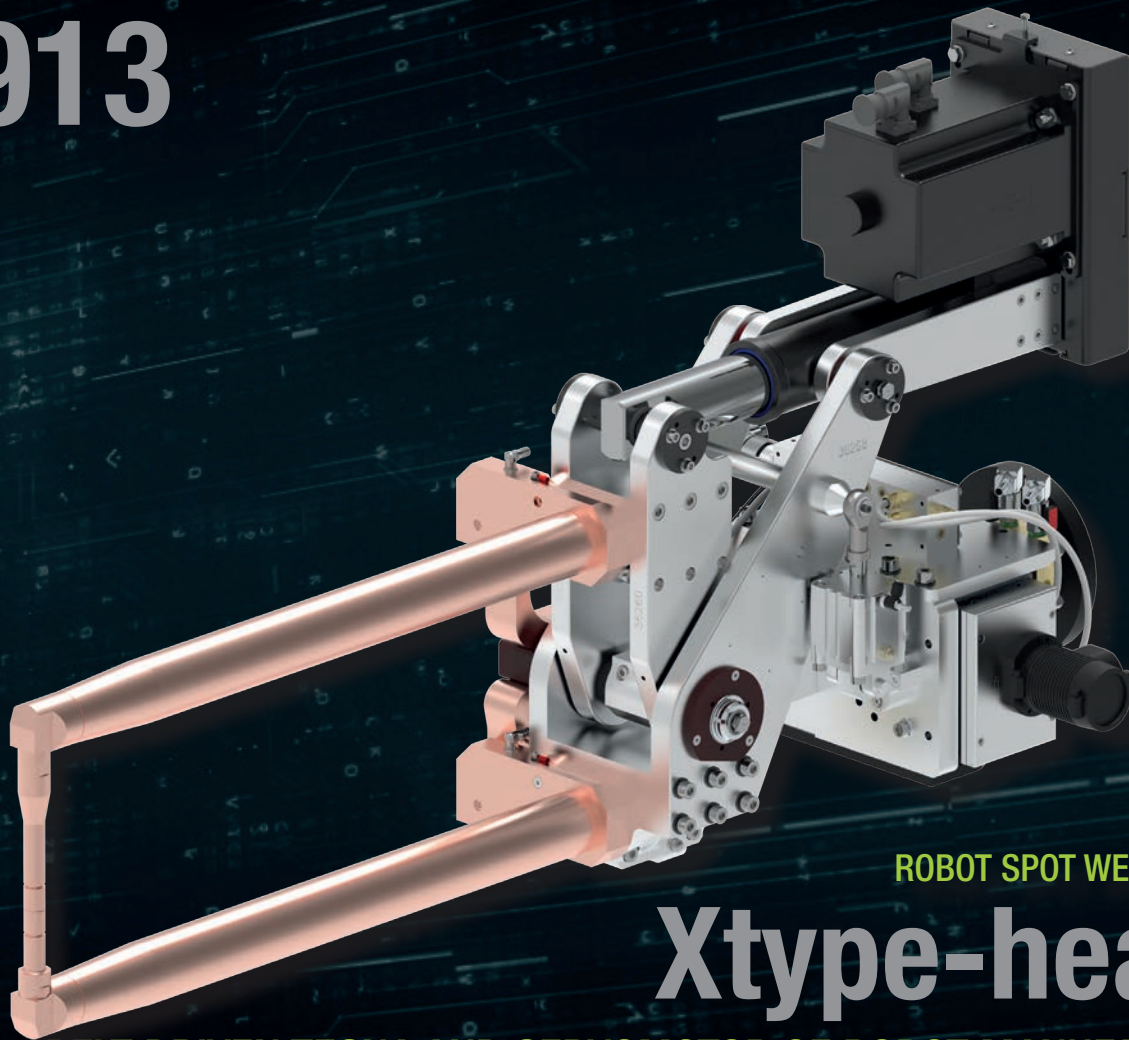
general data					
		Actuator sizes		6 Nm	
		Arm code [length]		Arm code [length]	
Welding force, daN	4901 [300 mm]	509 daN		4905 [500 mm]	339 daN
	4902 [350 mm]	453 daN		4906 [600 mm]	290 daN
	4903 [400 mm]	407 daN		4907 [700 mm]	254 daN
	4904 [450 mm]	371 daN			
	*Gun mass, kg				

motor	
Servomotor speed, rpm	3000 rpm

transformer	
Type	MFDC 56 kVA 400V/50 Hz [39965]
S_{1P}	39,6 kVA
U_{20}	8,4 V
I_{2P}	4,44 kA
U_{1N}	500 V / 1000 Hz
weight	19,7 kg
water cooling	6 l/min

* The weight of the guns is meant without arms, without arm fitting and without power transformer.

2913



ROBOT SPOT WELDING GUN

Xtype-heavy

BELT DRIVEN TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

general data

Actuator sizes		11 Nm		
Welding force, daN	Arm code [length]		Arm code [length]	
	4921 [300 mm]	509 daN	4925 [500 mm]	339 daN
	4922 [350 mm]	453 daN	4926 [600 mm]	290 daN
	4923 [400 mm]	407 daN	4927 [700 mm]	254 daN
	4924 [450 mm]	371 daN		
*Gun mass, kg		---		

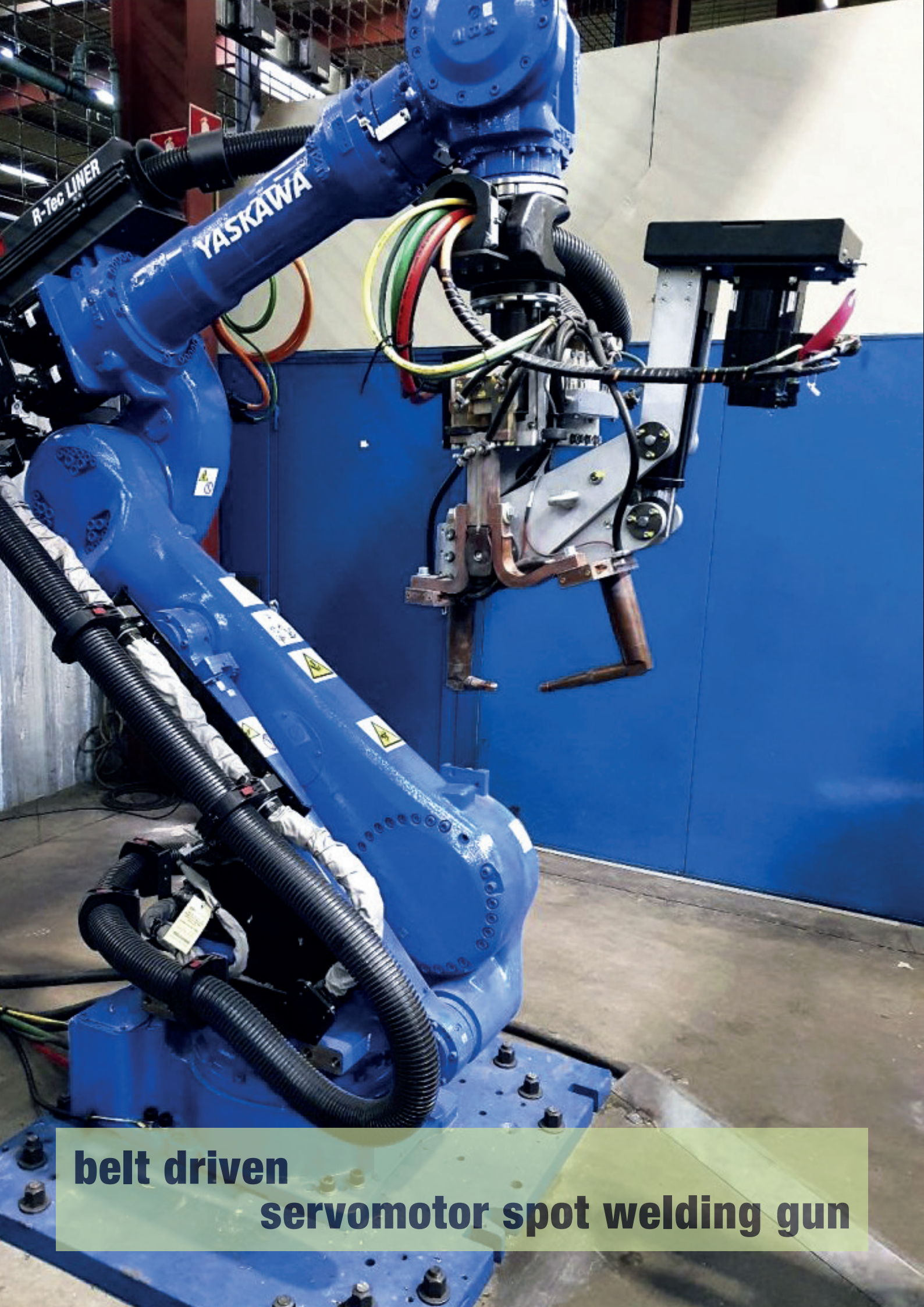
motor

Servomotor speed, rpm	3000 rpm
-----------------------	----------

transformer

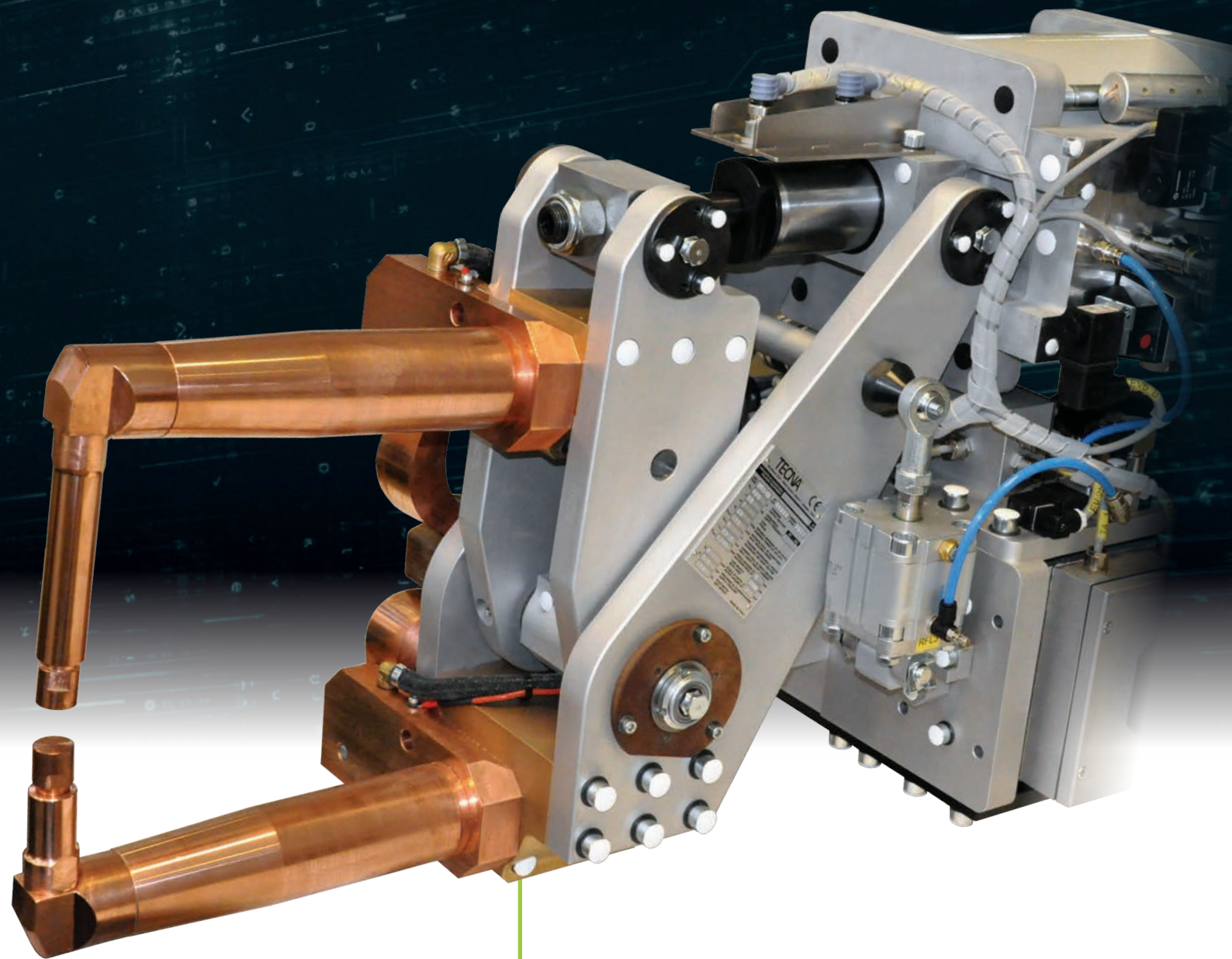
Type	MFDC 90 kVA 400V/50 Hz [40090]	MFDC 90 kVA 480V/60 Hz [4000012471]
S_{1P}	63,6 kVA	63,6 kVA
U_{20}	9,9 V	10,2 V
I_{2P}	6,1 kA	5,94 kA
U_{1N}	500 V / 1000 Hz	635 V / 1000 Hz
weight	27,3 kg	27,3 kg
water cooling	6 l/min	6 l/min

* The weight of the guns is meant without arms, without arm fitting and without power transformer.



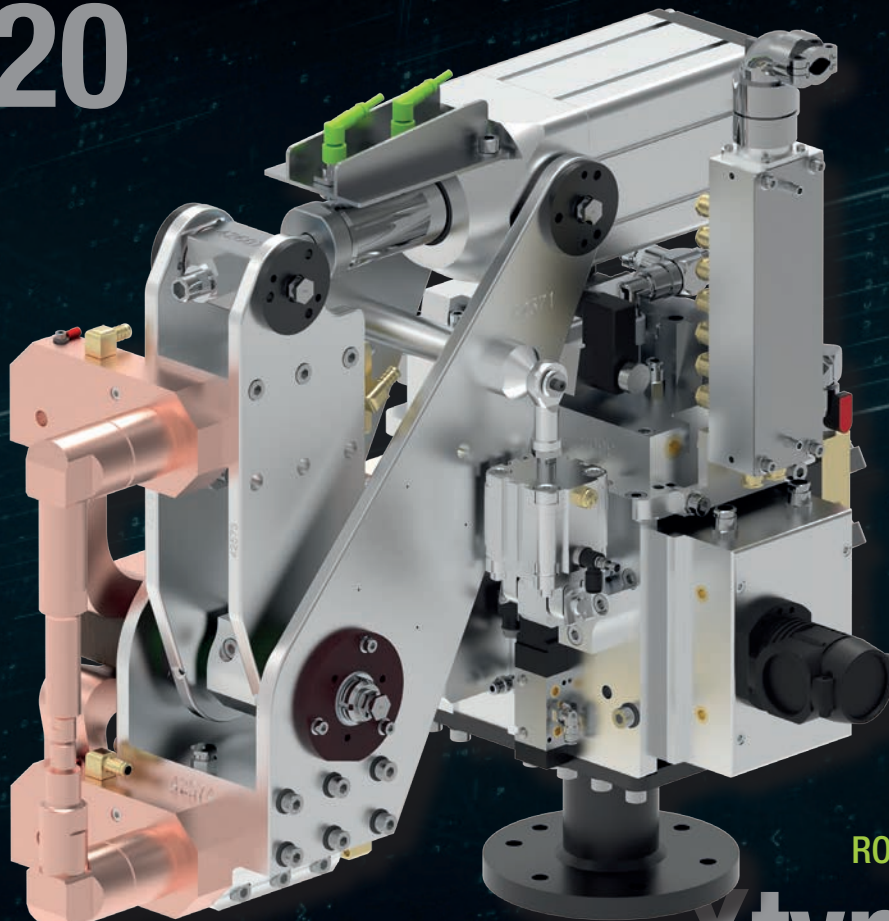
belt driven

servomotor spot welding gun



**pneumatic
spot welding gun**

2920



ROBOT SPOT WELDING GUN

Xtype-light

PNEUMATIC ACTUATOR TECNA

general data

Actuator sizes [6 bar]		Ø100 mm		
Welding force, daN	Arm code [length]		Arm code [length]	
	4921 [300 mm]	319 daN	4925 [500 mm]	212 daN
	4922 [350 mm]	284 daN	4926 [600 mm]	182 daN
	4923 [400 mm]	255 daN	4927 [700 mm]	159 daN
	4924 [450 mm]	232 daN		
*Gun mass, kg		57		

cylinder

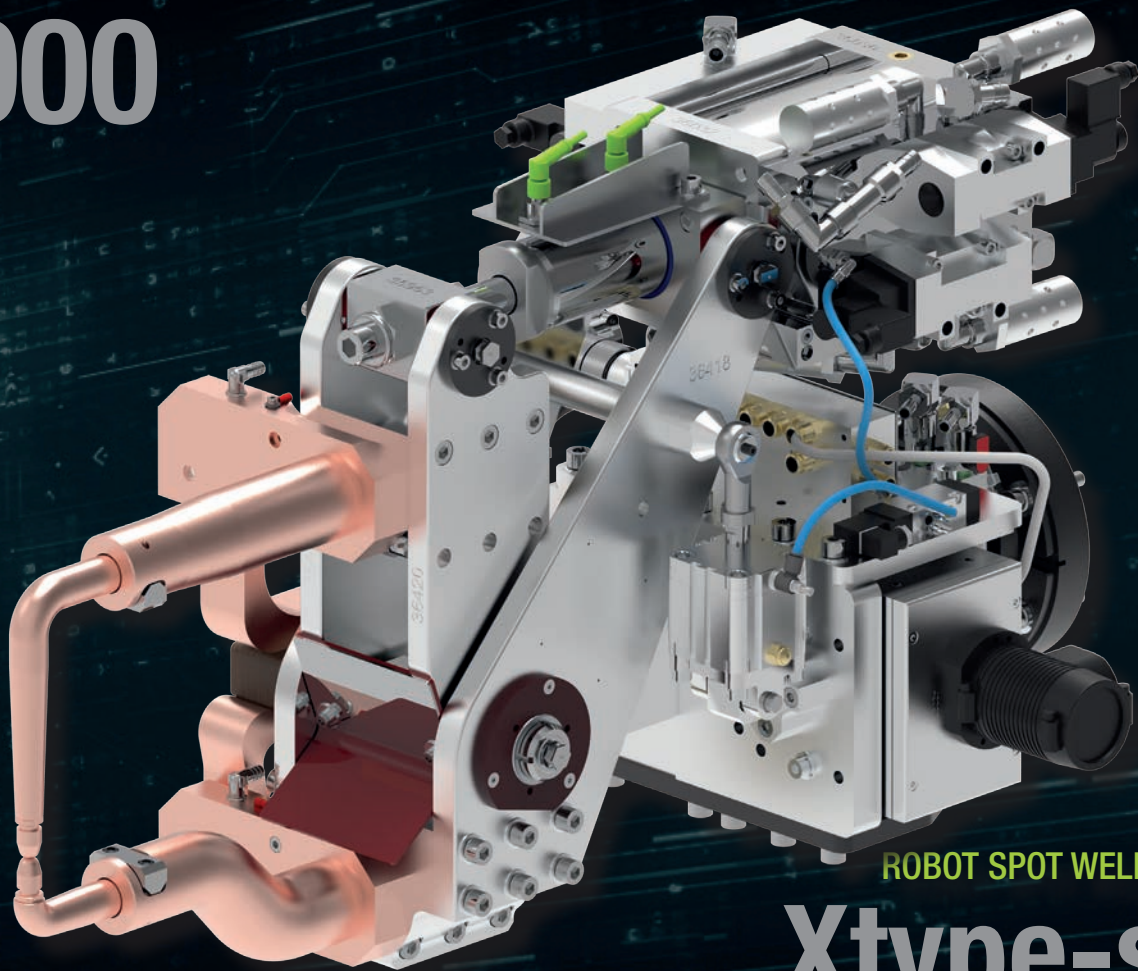
diameter, mm	Ø100
--------------	------

transformer

Type	MFDC 56 kVA 400V/50 Hz [39965]	AC 75 kVA 400V/50 Hz [39067]
S_{1P}	39,6 kVA	75 kVA
U₂₀	8,4 V	10 V
I_{2P}	4,44 kA	5,3 kA
U_{1N}	500 V / 1000 Hz	400 V / 50 Hz
weight	19,7 kg	40,5 kg
water cooling	6 l/min	4 l/min

* The weight of the guns is meant without arms, without arm fitting and without power transformer.

2900



ROBOT SPOT WELDING GUN

Xtype-std

PNEUMATIC ACTUATOR TECNA

general data

Actuator sizes [6 bar]		Ø125 mm		
Welding force, daN	Arm code [length]		Arm code [length]	
	4901 [300 mm]	500 daN	4905 [500 mm]	333 daN
	4902 [350 mm]	444 daN	4906 [600 mm]	285 daN
	4903 [400 mm]	399 daN	4907 [700 mm]	249 daN
	4904 [450 mm]	363 daN		
*Gun mass, kg		73		

cylinder

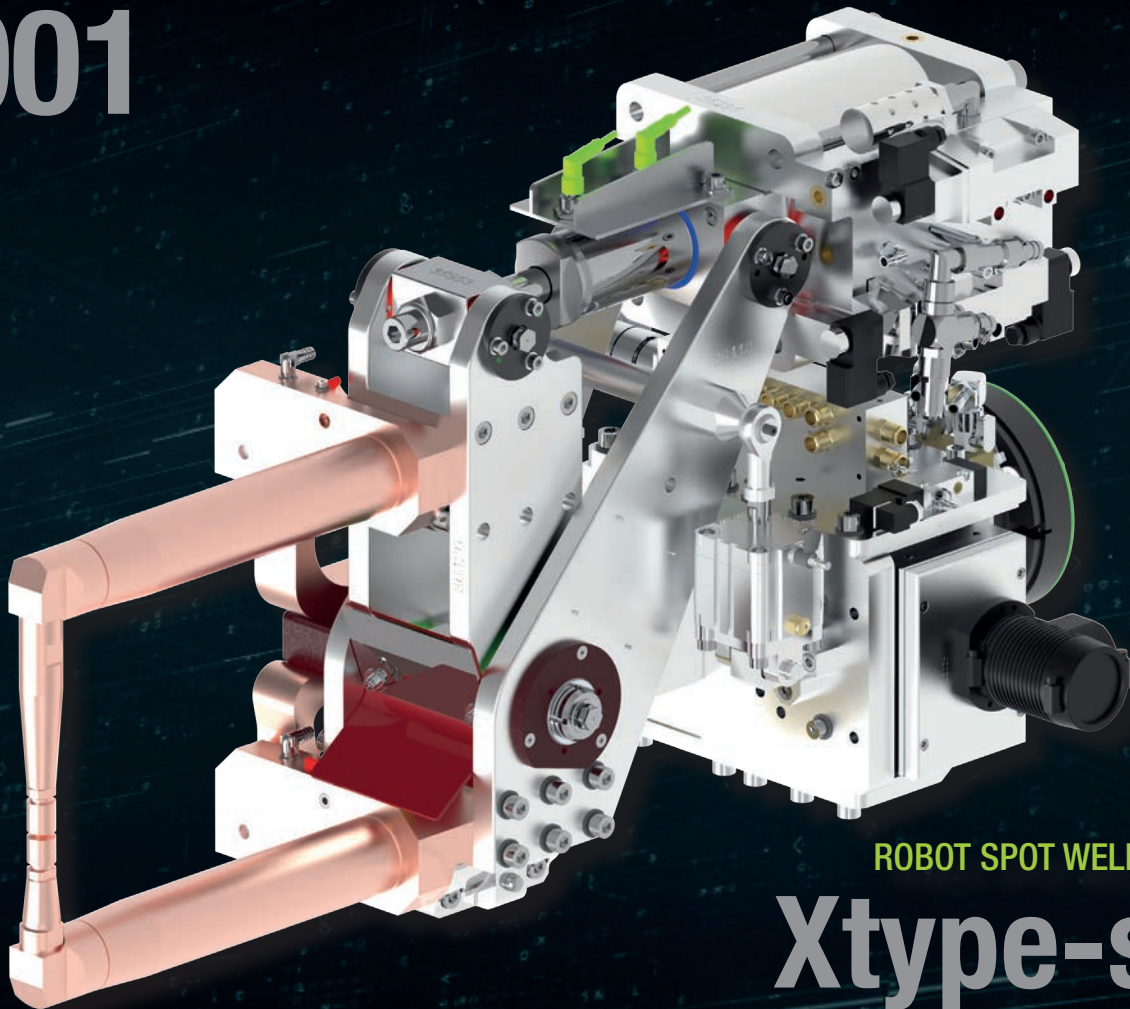
diameter, mm	Ø125
--------------	------

transformer

Type	MFDC 56 kVA 400V/50 Hz [39965]	MFDC 90 kVA 400V/50 Hz [40090]
S_{1P}	39,6 kVA	63,6 kVA
U_{20}	8,4 V	9,9 V
I_{2P}	4,44 kA	6,1 kA
U_{1N}	500 V / 1000 Hz	500 V / 1000 Hz
weight	19,7 kg	27,3 kg
water cooling	6 l/min	6 l/min

* The weight of the guns is meant without arms, without arm fitting and without power transformer.

2901



ROBOT SPOT WELDING GUN

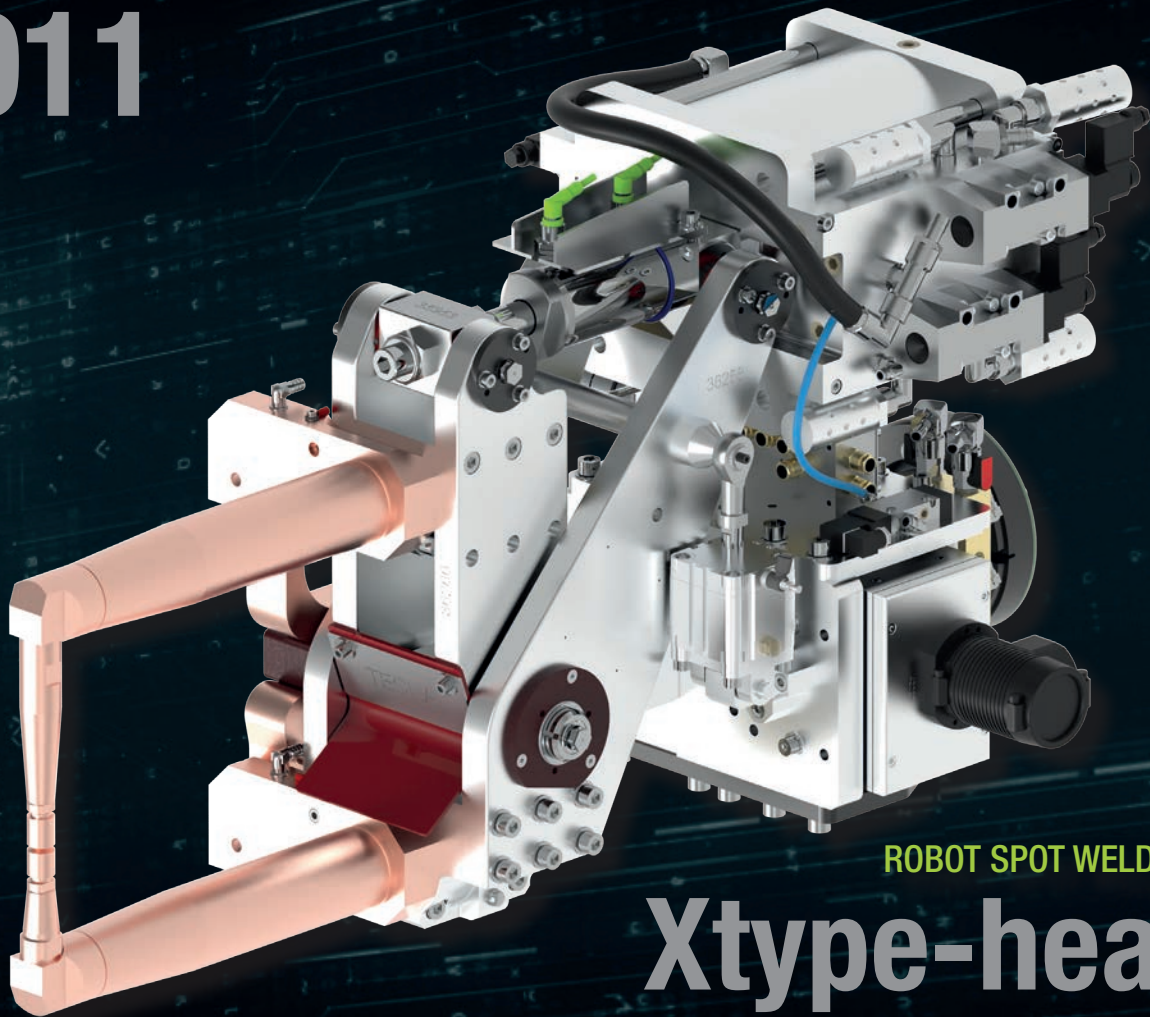
Xtype-std

PNEUMATIC ACTUATOR TECNA

general data				
		Actuator sizes [6 bar]	Ø160 mm	
		Arm code [length]	Arm code [length]	
Welding force, daN	4921 [300 mm]	819 daN	4925 [500 mm]	545 daN
	4922 [350 mm]	728 daN	4926 [600 mm]	467 daN
	4923 [400 mm]	655 daN	4927 [700 mm]	409 daN
	4924 [450 mm]	595 daN		
*Gun mass, kg	79			
cylinder				
diameter, mm	Ø160			
transformer				
Type	MFDC 56 kVA 400V/50 Hz [39965]	MFDC 90 kVA 400V/50 Hz [40090]		
S _{1P}	39,6 kVA	75 kVA		
U ₂₀	8,4 V	9,9 V		
I _{2P}	4,44 kA	6,1 kA		
U _{1N}	500 V / 1000 Hz	500 V / 1000 Hz		
weight	19,7 kg	27,3 kg		
water cooling	6 l/min	6 l/min		

* The weight of the guns is meant without arms, without arm fitting and without power transformer.

2911



ROBOT SPOT WELDING GUN

Xtype-heavy

PNEUMATIC ACTUATOR TECNA

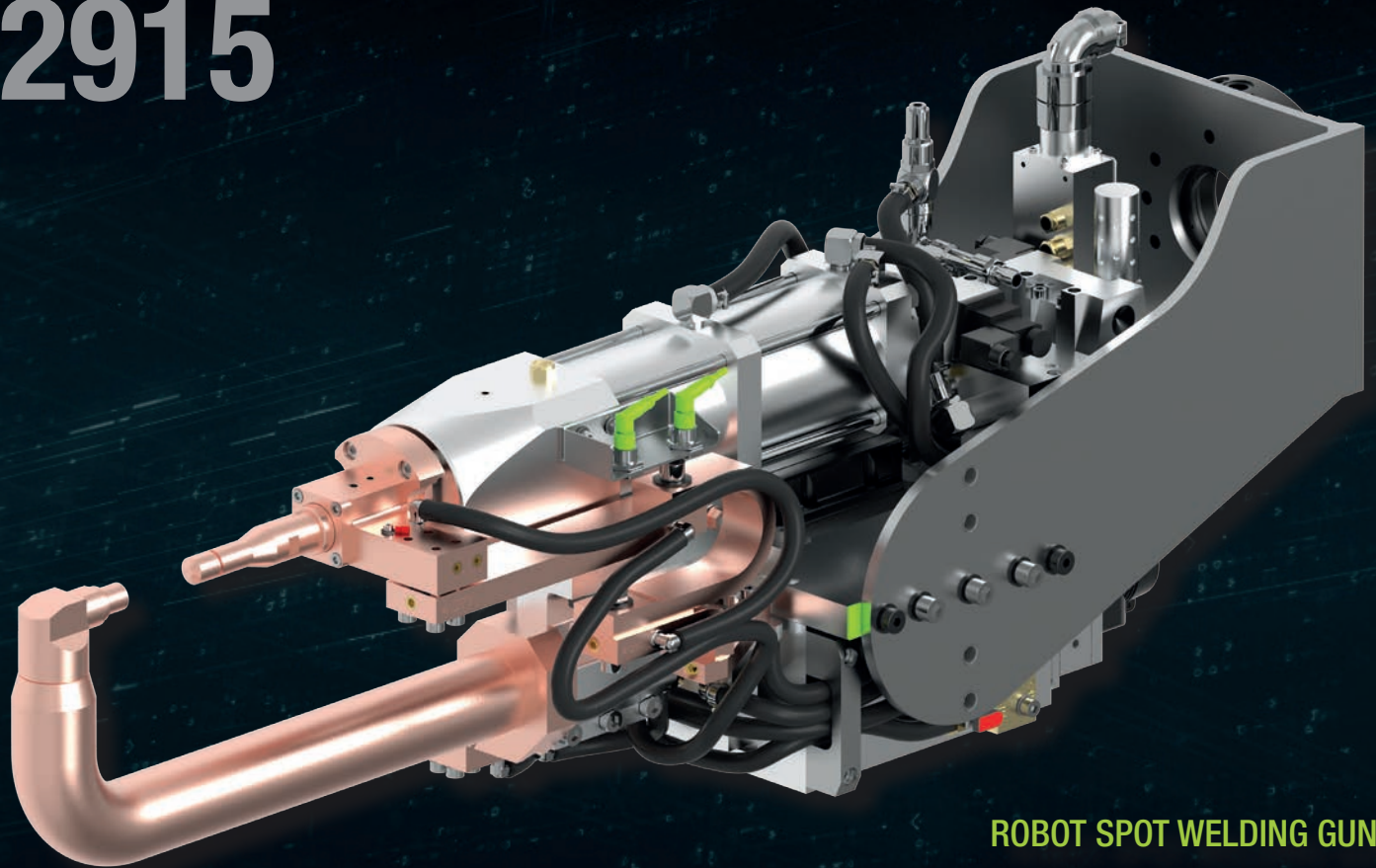
general data					
		Actuator sizes [6 bar]		Ø200 mm	
		Arm code [length]		Arm code [length]	
Welding force, daN	4911 [300 mm]	1280 daN		4915 [500 mm]	852 daN
	4912 [350 mm]	1137 daN		4916 [600 mm]	730 daN
	4913 [400 mm]	1023 daN		4917 [700 mm]	638 daN
	4914 [450 mm]	930 daN			
*Gun mass, kg		89			

cylinder	
diameter, mm	Ø200

transformer	
Type	MFDC 90 kVA 400V/50 Hz [40090]
S_{1P}	63,6 kVA
U_{20}	9,9 V
I_{2P}	6,1 kA
U_{1N}	500 V / 1000 Hz
weight	27,3 kg
water cooling	6 l/min

* The weight of the guns is meant without arms, without arm fitting and without power transformer.

2915



ROBOT SPOT WELDING GUN

Ctype-std

PNEUMATIC ACTUATOR TECNA

general data					
		Actuator sizes [6 bar]		Ø100 mm	
		Arm code [length]		Arm code [length]	
Welding force, daN	4921 [300 mm]	509 daN		4925 [500 mm]	339 daN
	4922 [350 mm]	453 daN		4926 [600 mm]	290 daN
	4923 [400 mm]	407 daN		4927 [700 mm]	254 daN
	4924 [450 mm]	371 daN			
	*Gun mass, kg		44		

cylinder	
diameter, mm	Ø100

transformer		
Type	MFDC 56 kVA 400V/50 Hz [39965]	MFDC 90 kVA 400V/50 Hz [40090]
S_{1P}	39,6 kVA	75 kVA
U_{20}	8,4 V	9,9 V
I_{2P}	4,44 kA	6,1 kA
U_{1N}	500 V / 1000 Hz	500 V / 1000 Hz
weight	19,7 kg	27,3 kg
water cooling	6 l/min	6 l/min

* The weight of the guns is meant without arms, without arm fitting and without power transformer.



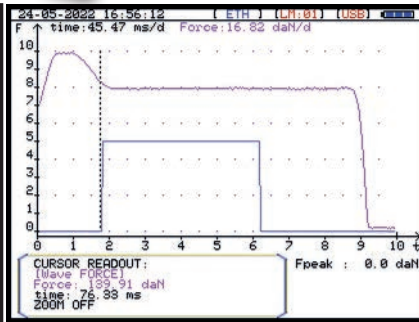
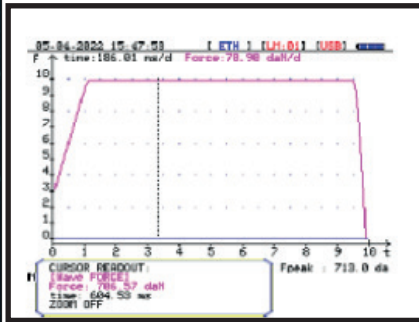
**high performance
accessories**



UP



DOWN



TE1700C - 1665

MEASUREMENT SYSTEMS



Item	7320000229
4000011144	Adapter Cap diam 22 mm
4000011143	Adapter Cap diam 20 mm
4000011141	Adapter Cap diam 19 mm
4000011807	Adapter Cap diam 18 mm
4000011139	Adapter Cap diam 16 mm
4000011122	Adapter Cap diam 13 mm

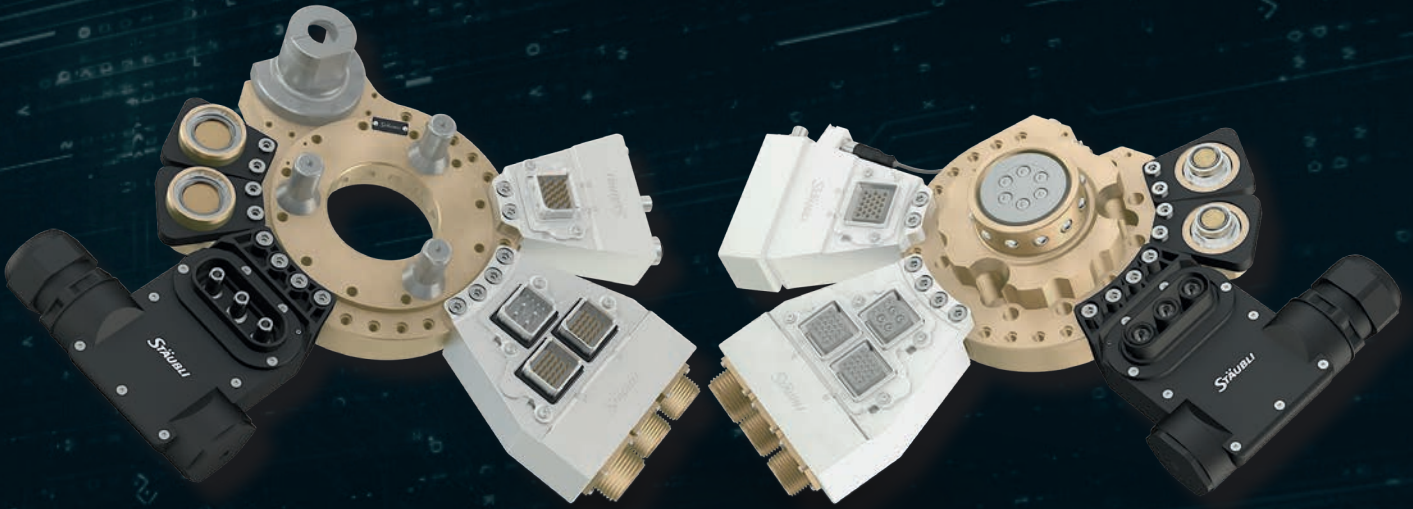


Kit 7320000229

Technical Specifications	1665
Force Range 1665	100 to 2000 daN (1665)
Resolution Force	0.1 daN
Technical Specifications	TE1700C
Data Output	Ethernet or Wi-fi
Power supply	110-240 Vac. 50/60 Hz
Battery duration	Batterie ricaricabili Ni-Mh con autonomia di circa 8 ore Rechargeable Ni-Mh Batteries with a performance of about 8 hours.
Dimensions LxWxH	198x102x179
Weight	1.3 kg

THIRD PART

Solutions by **STÄUBLI**



For flexible applications
STÄUBLI ROBOTIC TOOL CHANGING SYSTEMS

MPS631

perfect tailored for welding application

MPS 631

max. static moment* Mx/My	5000 Nm
max. static moment* Mz	5000 Nm
max. dynamic moment** Mx/My	17500 Nm
max. dynamic moment** Mz	17500 Nm
max. payload	630 kg
Robot flange Pitch circle diameter	PCD 160***
Height (coupled)	100 mm
Repeatability	+/- 0,01 mm

* CONTROLLED STOP / ** EMERGENCY STOP / ***ALSO AVAILABLE WITH PCD 200

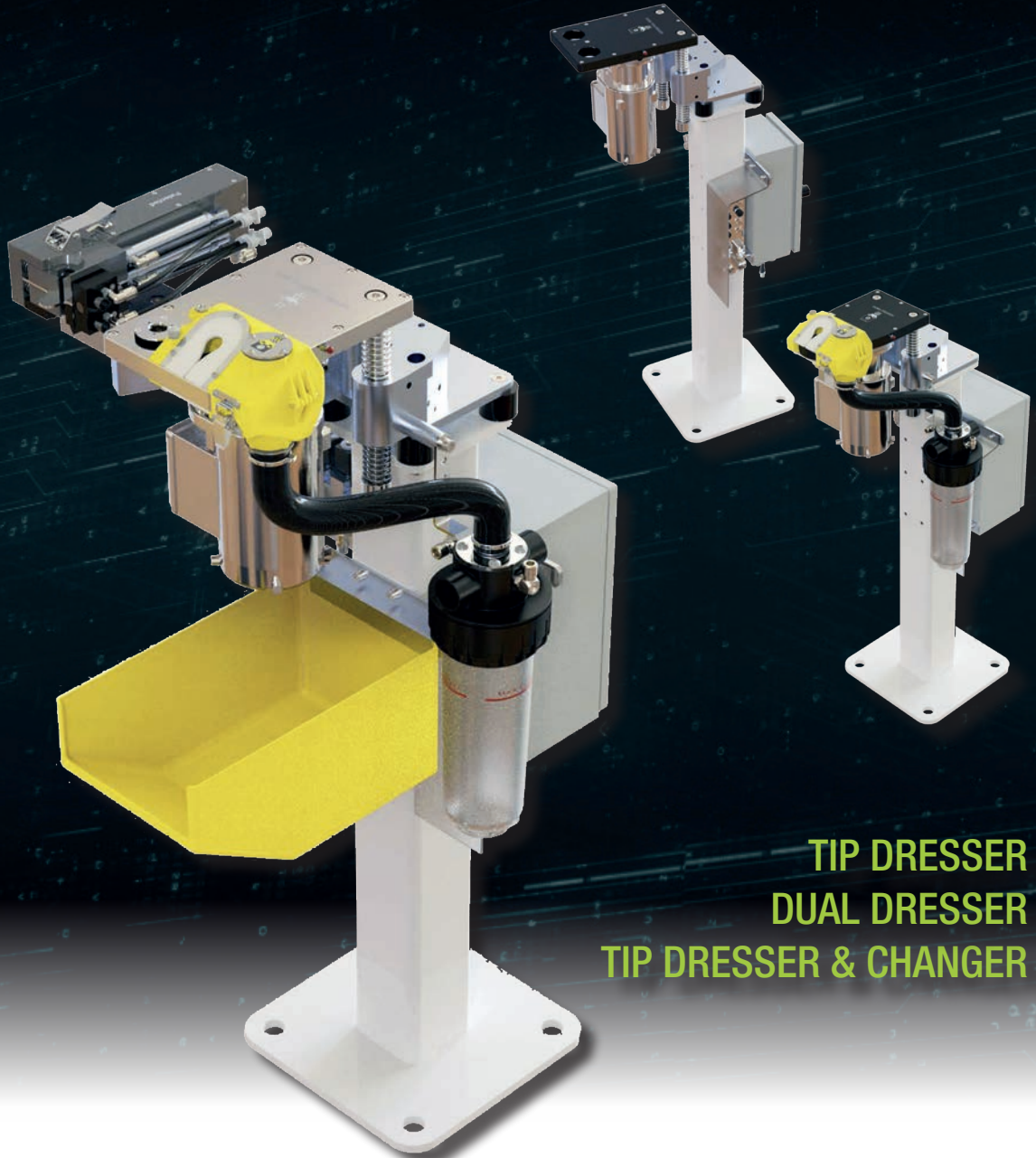
Your benefits:

- ✓ Robust and easy to use **Safety System** complying Performance Level d / Cat.3
- ✓ Long lasting **Electric Connectors** with MultiLam® technology
- ✓ Wide range of **Modules** with high flexible configuration principle
- ✓ Tolerances adaptable **Tool Stand** with floatable system

QR code to this site



The illustration shown in this page is just a representation of configuration and can vary especially with regard to the design, size and details of the product.



**TIP DRESSER
DUAL DRESSER
TIP DRESSER & CHANGER**

Specifications	CEE South America - Africa - India	China	USA
Power supply	Y 400 - 415 V Y 480 - 480 V	Y 400 VAC	Y 400-415 V Y 460-480 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Power	0,8 kW	0,8 kW	0,8 kW
Duty Cycle	S3-7%	S1	S3-7%
Certification	CE	CCC	AM-UL
Inner diameter air supply pneumatic tube	suggested Ø 10 mm minimum Ø 6 mm	suggested Ø 10 mm minimum Ø 6 mm	suggested Ø 10 mm minimum Ø 6 mm
IP protection level	55-65	55-65	55-65

BIDIRECTIONAL REALISING SYSTEM FOR ELECTRODE ALUMINIUM AND STEEL SHEET

Patents: EU:EP 3227046 CHINA: CN 107206537 USA: US 10.737.350 B2 JAPAN: J6564038 BRASIL: PI 0811814 KOREA- CANADA-MEXICO-INDIA: Being released

Key performances	Key benefits
Self-adaptive electrode release pair: from 30 Nm to 120 Nm	+ 30 ÷ 60 % electrode holder life
Releasing the upper and lower electrode in the same position	- 30 ÷ 50 : robot arm movements

ELECTRODE MAGAZINE FOR ELECTRODE ALUMINIUM AND STEEL SHEET

Patents EU EP 3043949 CHINA:CN 105722632B KOREA -10-2205121 – USA US 10.843.289 B2 – JAPAN- BRASIL- CANADA-MEXICO-INDIA: Being released

Key performances	Key benefits
Electrode presence sensors in the loading bay	electrode detection guarantee
Upper and lower electrode loaded at the same time	- 30 ÷ 50 : robot arm movements
Optional: up to 500 electrodes automatically powered simultaneously for 2 or 4 tip changers	Use in industry 4.0 welding guns autonomy up to 30 days



RMD COMPONENTS ITALIA
MS80/MS165
DRESS PACK

QR code to this site



RC5-0050-00-XXX

MPS80 / MPS165

N° 3 corde 35mm²

N° 2 tubi 1/2" H₂O

N° 1 Cavo motore/cavo encoder/cavo segnali pinze

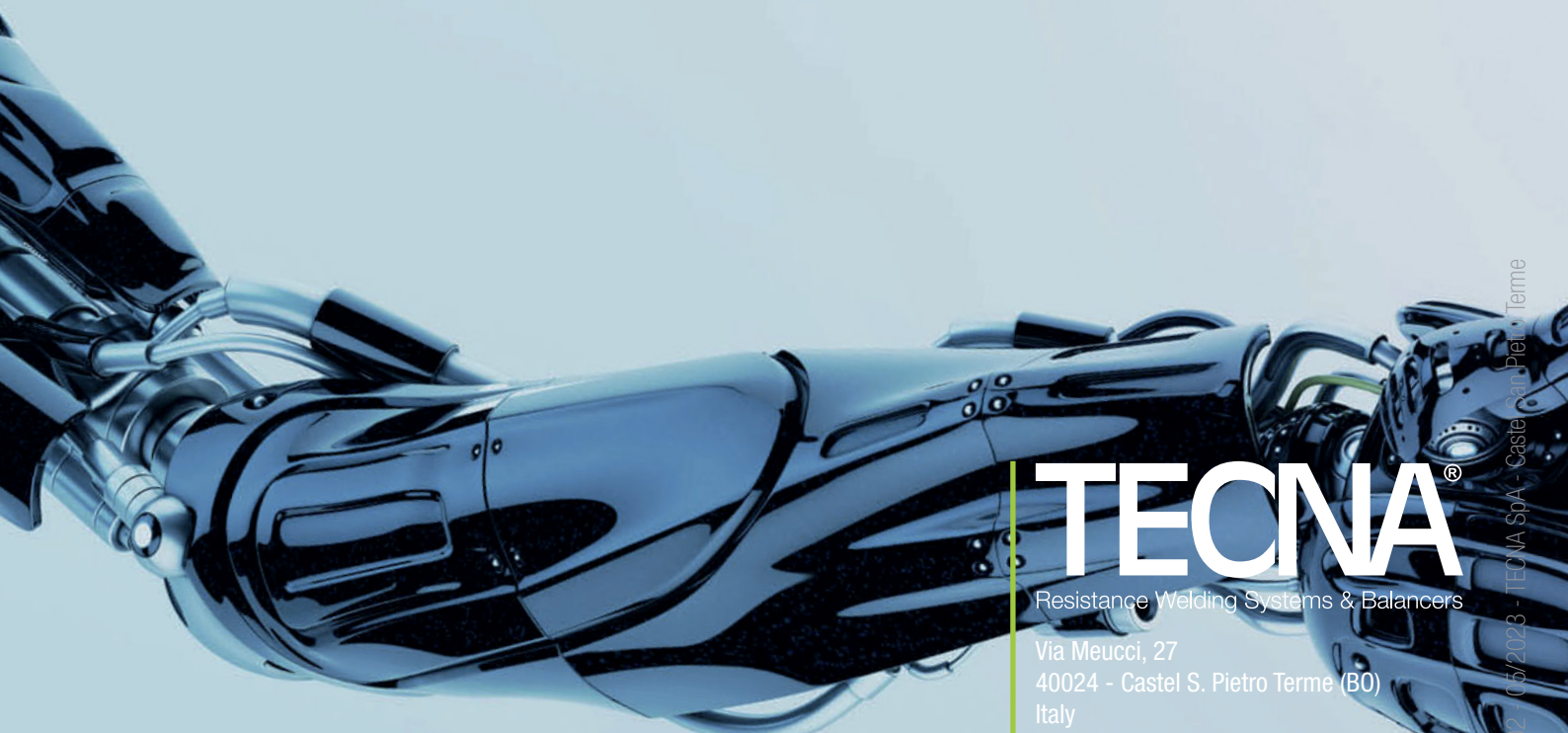
RC5-0020-00-XXX

MPS210 / MPS225 Alu

N° 3 corde 90mm²

N° 2 tubi 3/4" Rit.+2 tubi 1/2" Mand.

N° 1 Cavo motore/cavo encoder/cavo segnali pinze



TECNA®

Resistance Welding Systems & Balancers

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