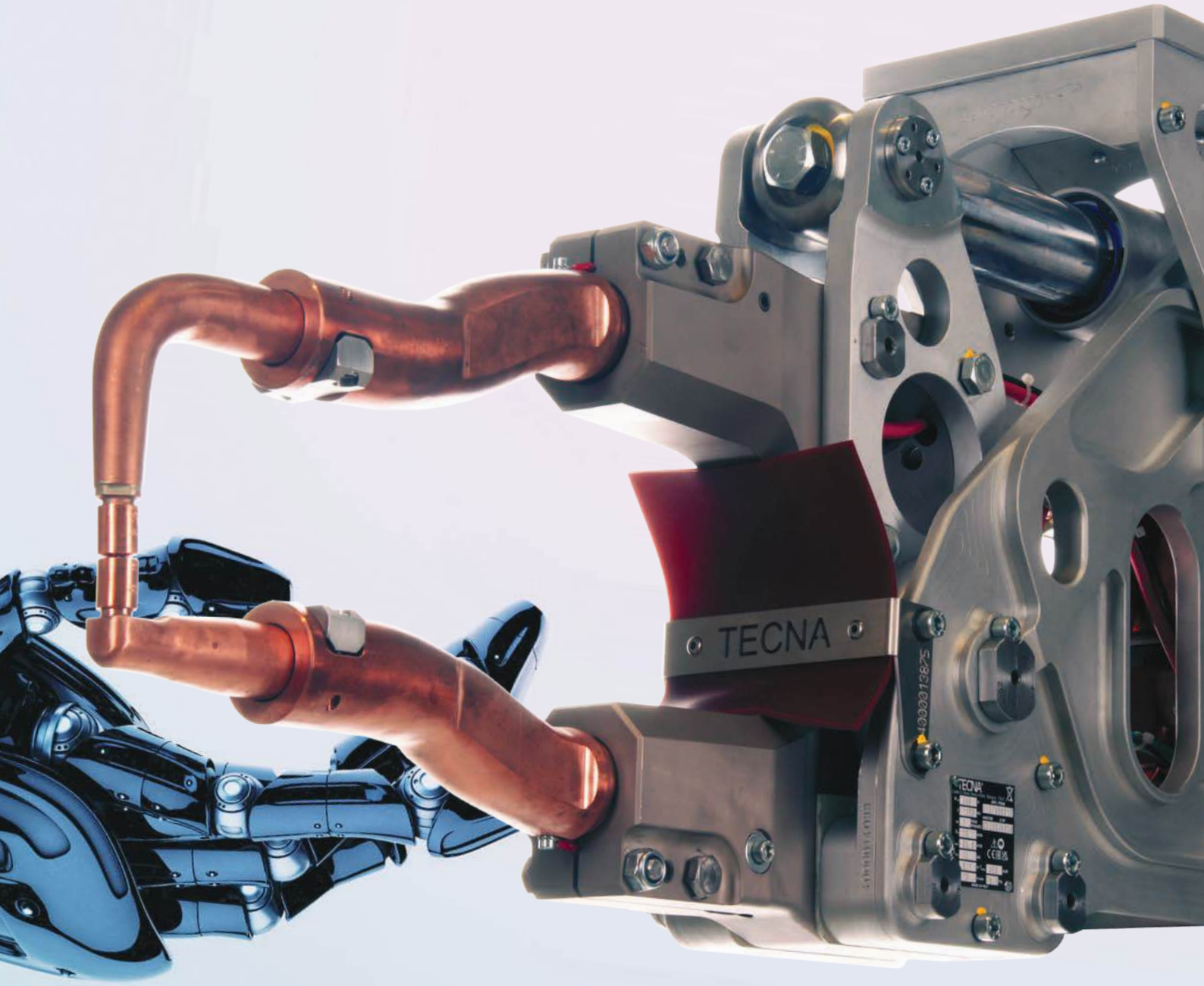
TECNA®

Resistance Welding Systems & Balancers

Sensum® by TECNA

MFDC TECH

ROBOT GUNS AND GENERAL AUTOMATION CATALOGUE SENSUM



www.tecna.net

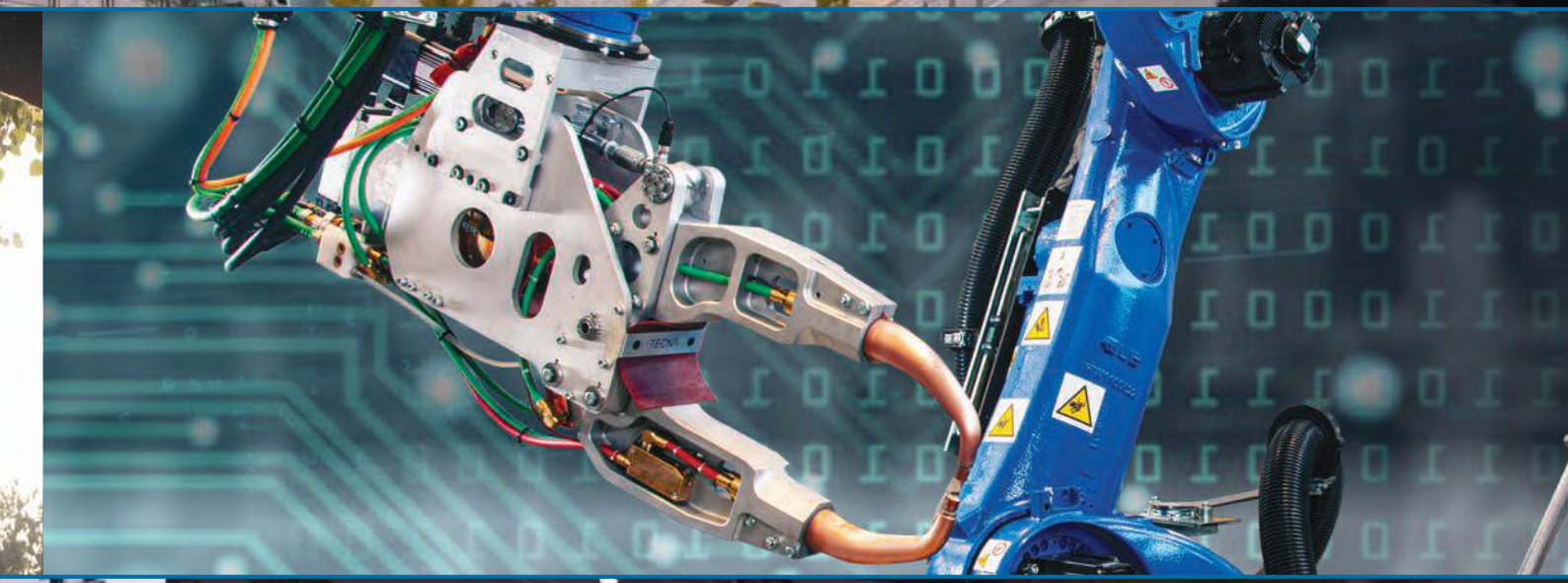
TECNA S.P.A. - VIA MEUCCI, 27 - CASTEL SAN PIETRO TERME













TECNA S.P.A. - VIA GRIECO, 26/27 - CASTEL SAN PIETRO TERME

TECNA: Excellence in Resistance Welding

TECNA means Excellence. Since its foundation over 50 years ago, TECNA has grown as a **worldwide leading reference in resistance welding and spring balancers**.

At our headquarters in Castel San Pietro Terme, Italy, our passion for technology joins **assiduous work for continuous development and innovation**.

With decades of experience, TECNA is a trusted supplier of major players in the automotive and aerospace industries and all fields where resistance welding sees its application. **TECNA welders are approved and certified by top car manufacturers worldwide.**

ISO 9001 and ISO 14001 certifications, as well as strict quality checks and tests, define the procedures and guarantee that product quality and safety are maintained at the highest levels. Every machine is duly tested and certified before shipping.

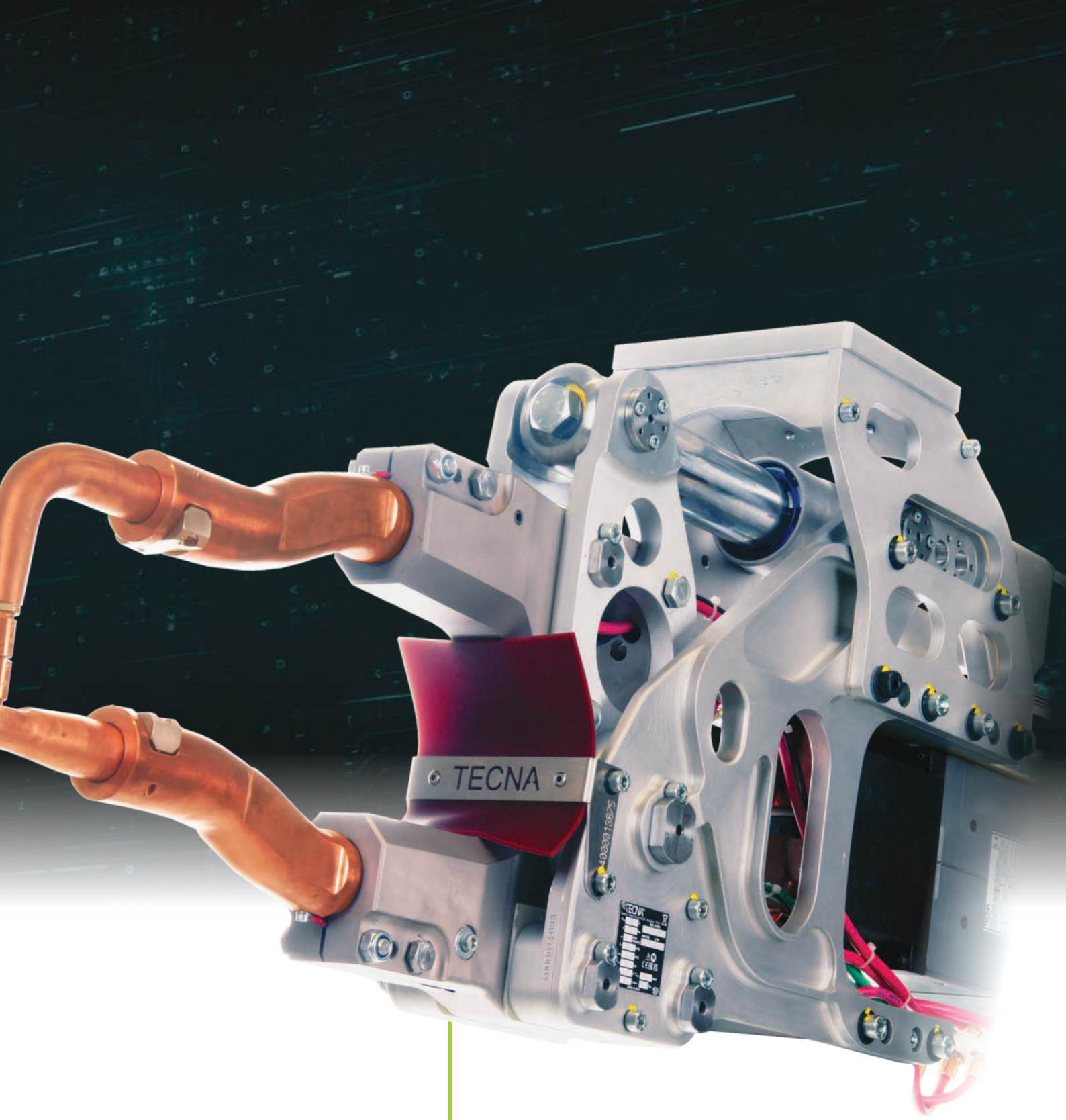
TECNA offers the widest range of welding machines and equipment, from single-phase and three-phase to the latest cutting-edge inverter and hybrid capacitor discharge technologies. Our products obtain **the highest quality welds and guarantee the best performance in terms of energy efficiency**.

Additionally, TECNA provides customers with a **comprehensive line of accessories for resistance welding equipment**. From the most advanced measurement instruments to the latest digital welding control technologies, all accessories feature advanced functions of networking and automatic file export to analyze and store test results.



TECNA also manufactures specialized equipment for automotive body welding and repair. All systems come with next-generation welding controls and energy-efficient inverter technology. To experience the greatest synergy between man and machine we especially recommend the Smart Mode, where ease of use joins a fully automatic self-learning system. The operator does not even need to know what metal or thickness she or he is welding.

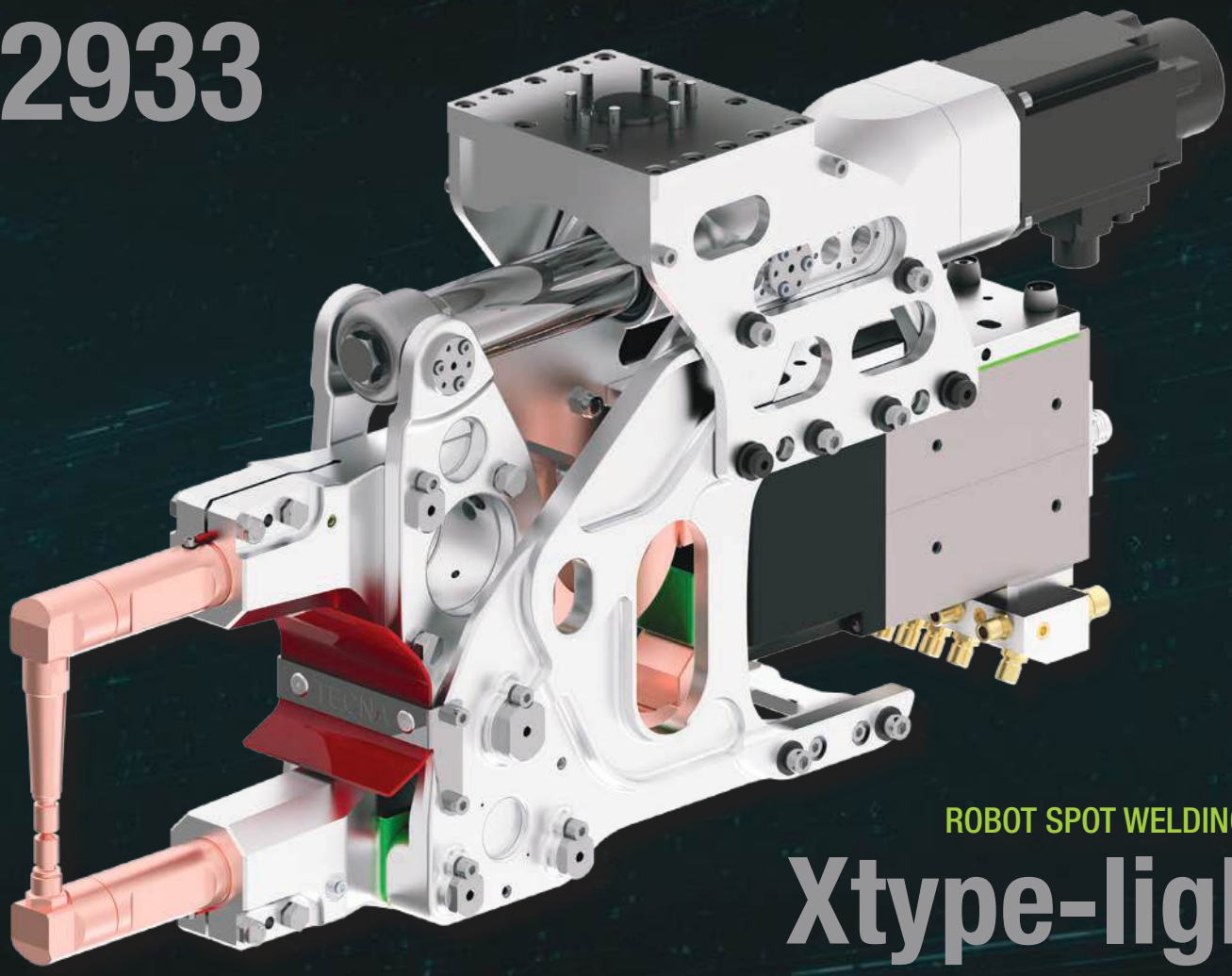
The field of resistance welding is constantly evolving with demands of quality, and most important of control around the process. TECNA keeps evolving with it, and by DNA runs ahead **to anticipate needs and create new trends thanks to the continuous research & development**.



MFDC TECH

direct drive servomotor spot welding gun

2933



ROBOT SPOT WELDING GUN

Xtype-light

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

electrical data		
Type	*MFDC 52 kVA	*MFDC 82 kVA Light
Nominal power at 50%, kVA	52	82
No load secondary voltage, V	6.1	9.1
Thermal current, kA	5.5	6
Short circuit current, kA	20	25

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

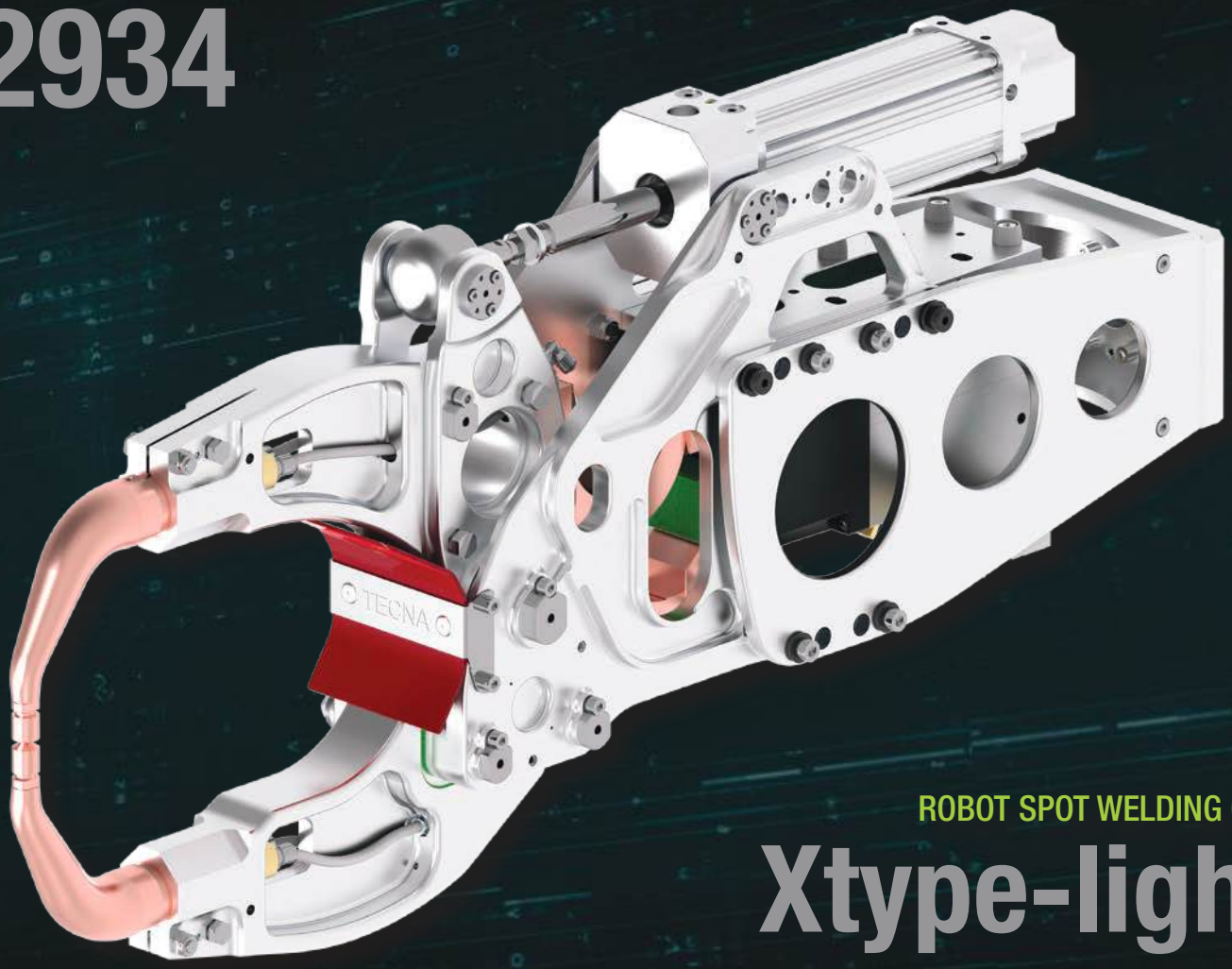
general data			
		Actuator sizes	
Welding force, daN	**Arm length**	4,9 Nm	
	300 mm	600	
	450 mm	470	
	600 mm	380	
****Gun mass, kg** (Arm length 300 mm)		72,9	74,9
Gun water cooling, l/min		12	12

motor	
Servomotor speed, rpm	3000

transformer		
Type	*MFDC 52 kVA	*MFDC 82 kVA Light
weight, kg	14,5	16,8
water cooling, l/min	4	4

** The weight of the guns is with 300 mm arms, with arm fitting, with power transformer and servomotor 6Kg.

2934



ROBOT SPOT WELDING GUN

Xtype-light

INVERTED ROLLER SCREW ACTUATORS THIRD PART MOTOR

electrical data		
Type	*MFDC 52 kVA	*MFDC 82 kVA Light
Nominal power at 50%, kVA	52	82
No load secondary voltage, V	6.1	9.1
Thermal current, kA	5.5	6
Short circuit current, kA	20	25

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

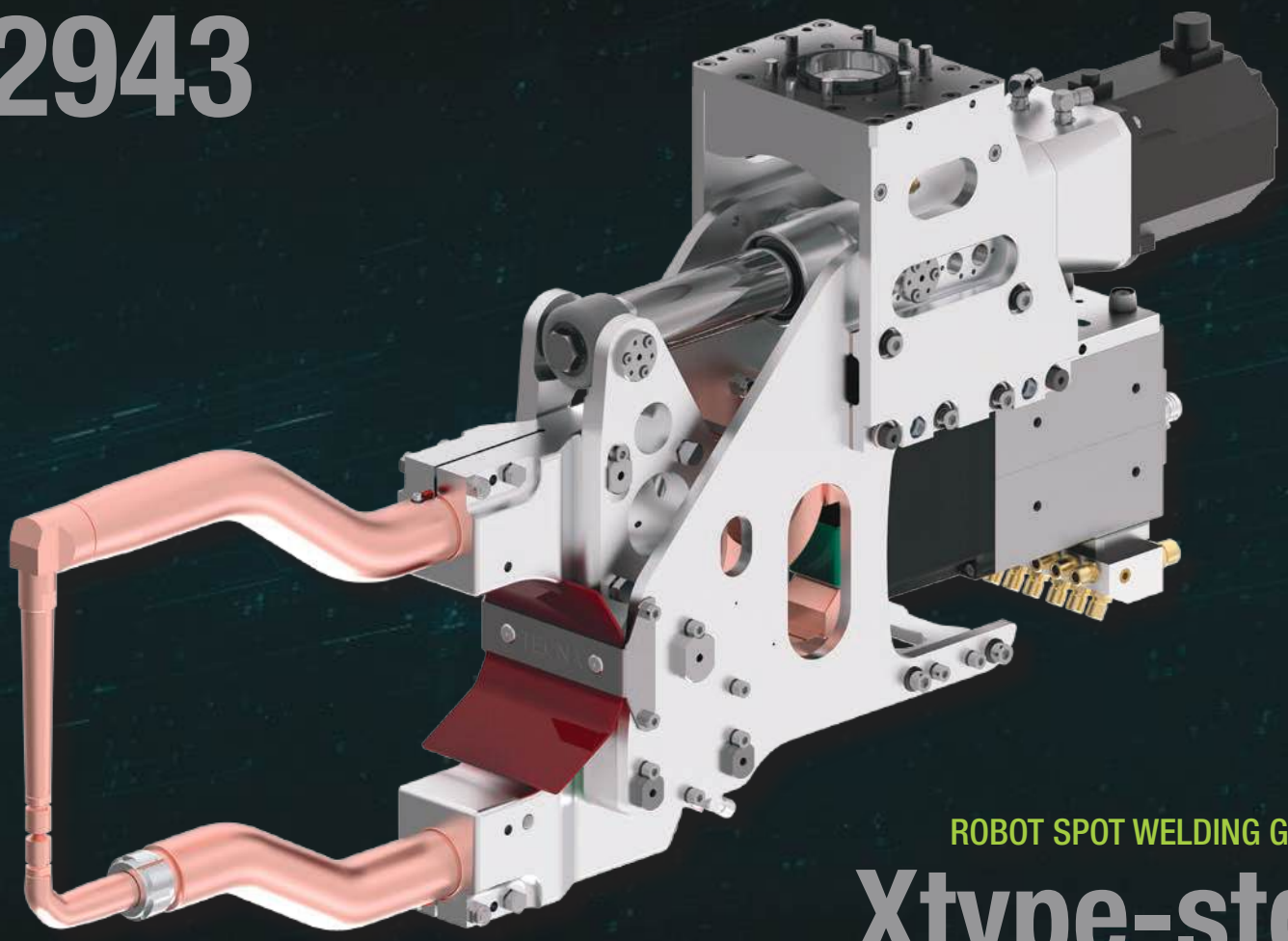
general data					
	Actuator sizes	**Exlar GTW80**	**Tolomatic CSWL3**	**Exlar GTW80**	**Tolomatic CSWL3**
Welding force, daN	**Arm length**	4,5 Nm	6 Nm	4,5 Nm	6 Nm
	300 mm	600	600	600	600
	450 mm	460	580	460	580
	600 mm	350	470	350	470
****Gun mass, kg** (Arm length 300 mm)		66,7	64,7	66,7	64,7
Gun water cooling, l/min			12	12	12

motor	
Servomotor speed, rpm	3000

transformer		
Type	*MFDC 52 kVA	*MFDC 82 kVA Light
weight, kg	14,5	16,8
water cooling, l/min	4	4

** The weight of the guns is with 300 mm arms, with arm fitting, with power transformer and servomotor 6Kg.

2943



ROBOT SPOT WELDING GUN

Xtype-std

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

electrical data		
Type	*MFDC 52 kVA	*MFDC 90 kVA Heavy
Nominal power at 50%, kVA	52	90
No load secondary voltage, V	6.1	9.1
Thermal current, kA	5.5	6.61
Short circuit current, kA	20	30

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

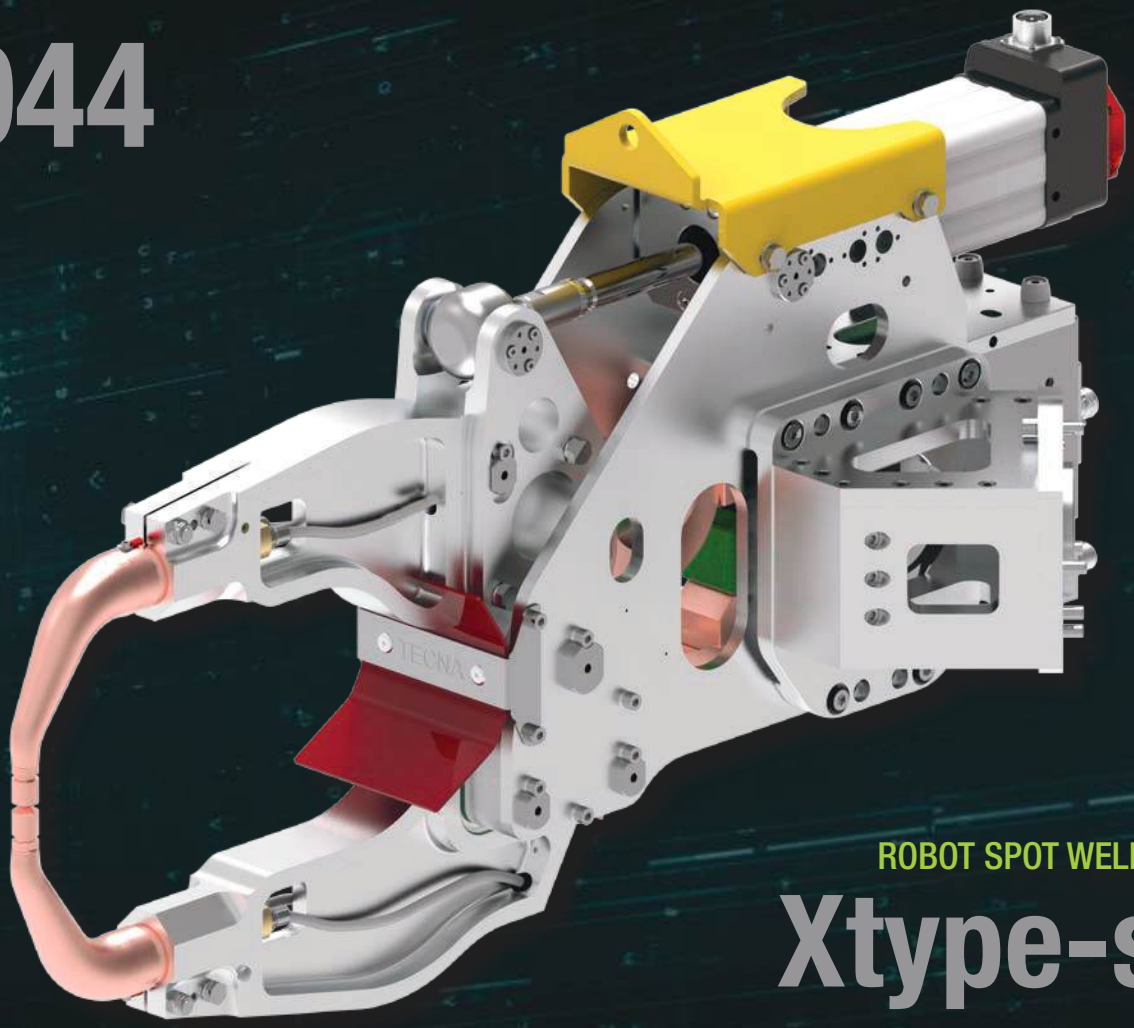
general data				
		Actuator sizes		
Welding force, daN	**Arm length**	6 Nm	9,5 Nm	11 Nm
	300 mm	800	850	850
	450 mm	550	750	750
	600 mm	420	650	650
****Gun mass, kg** (Arm length 300 mm)		83		86
Gun water cooling, l/min		12		12

motor	
Servomotor speed, rpm	3000

transformer		
Type	*MFDC 52 kVA	*MFDC 90 kVA Heavy
weight, kg	14,5	18
water cooling, l/min	4	4

** The weight of the guns is with 300 mm arms, with arm fitting, with power transformer and servomotor 6Kg.

2944



ROBOT SPOT WELDING GUN

Xtype-std

INVERTED ROLLER SCREW ACTUATORS THIRD PART MOTOR

electrical data

Type	*MFDC 52 kVA	*MFDC 90 kVA Heavy
Nominal power at 50%, kVA	52	90
No load secondary voltage, V	6.1	9.1
Thermal current, kA	5.5	6.61
Short circuit current, kA	20	30

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

general data

Actuator sizes		Exlar GTW100	Tolomatic CSWX3-MVx4WC	Exlar GTW100	Tolomatic CSWX3-MVx4WC
Welding force, daN	**Arm length**	12 Nm	13,4 Nm	12 Nm	13,4 Nm
	300 mm	850	850	850	850
	450 mm	750	800	750	800
	600 mm	650	700	650	700
****Gun mass, kg (Arm length 300 mm)**		83,4	83,5	86,4	86,4
Gun water cooling, l/min		12	12	12	12

motor

Servomotor speed, rpm	3000

transformer

Type	*MFDC 52 kVA	*MFDC 90 kVA Heavy
weight, kg	14,5	18
water cooling, l/min	4	4

** The weight of the guns is with 300 mm arms, with arm fitting, with power transformer and servomotor 6Kg.

2946



ROBOT SPOT WELDING GUN

Ctype-std

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

electrical data	2946		
Type	*MFDC 52 kVA	*MFDC 82 kVA Light	*MFDC 90 kVA Heavy
Nominal power at 50%, kVA	52	82	90
No load secondary voltage, V	6.1	9.1	9.1
Thermal current, kA	5.5	6	6.61
Short circuit current, kA	20	25	30

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

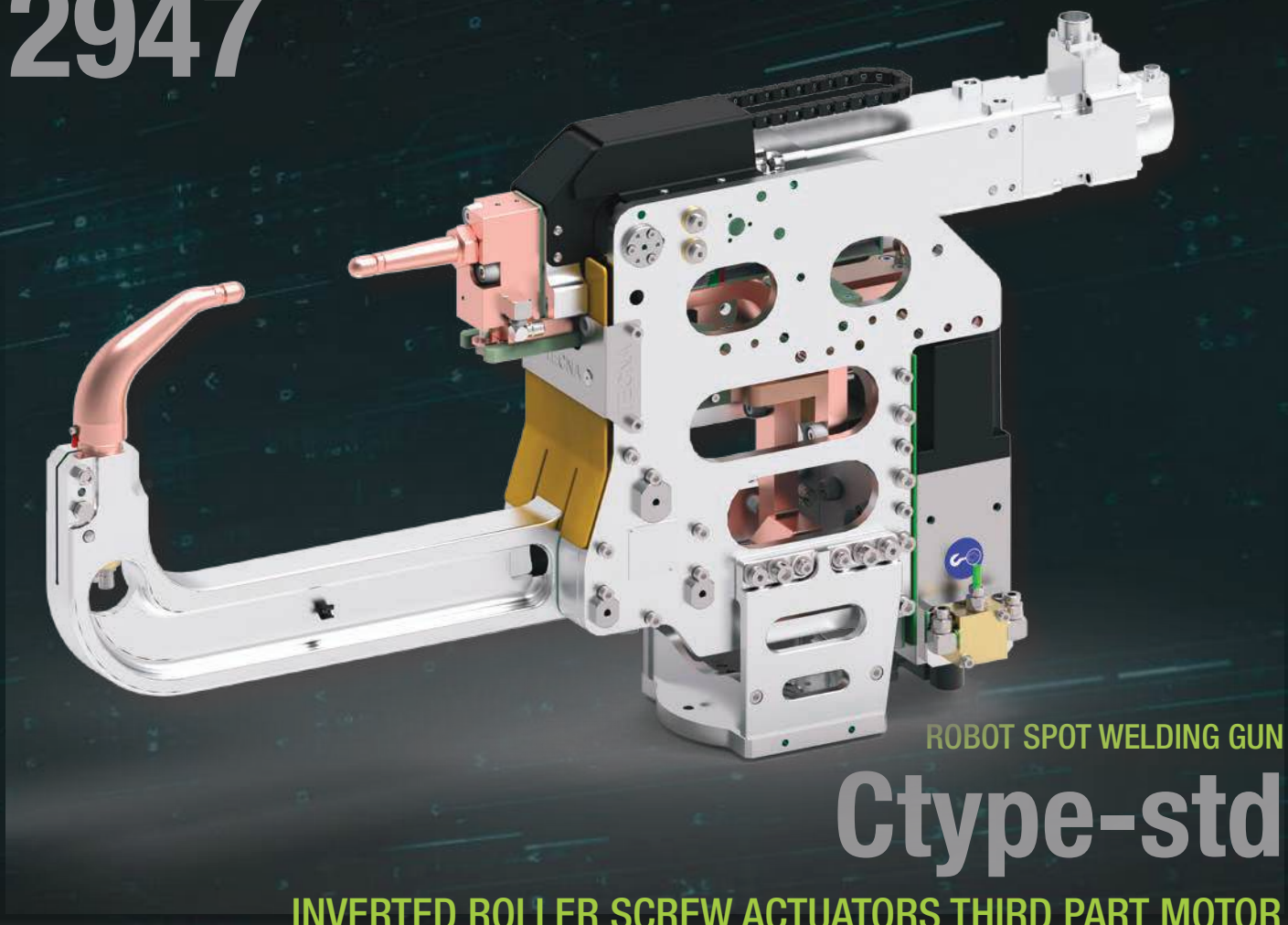
general data				
	Actuator sizes			
Welding force, daN	**Arm length**	4,9 Nm		
	100 mm	500		
	150 mm	500		
****Gun mass, kg** (Arm length 300 mm)		81	84	85
Gun water cooling, l/min		11	11	11

motor	
Servomotor speed, rpm	3000

transformer			
Type	*MFDC 52 kVA	*MFDC 82 kVA Light	*MFDC 90 kVA Heavy
weight, kg	14,5	16,8	18
water cooling, l/min	4	4	4

** The weight of the guns is with 100 mm arms, with arm fitting, with power transformer and servomotor 6Kg.

2947



ROBOT SPOT WELDING GUN

Ctype-std

INVERTED ROLLER SCREW ACTUATORS THIRD PART MOTOR

electrical data			
Type	*MFDC 52 kVA	*MFDC 82 kVA Light	*MFDC 90 kVA Heavy
Nominal power at 50%, kVA	52	82	90
No load secondary voltage, V	6.1	9.1	9.1
Thermal current, kA	5.5	6	6.61
Short circuit current, kA	20	30	30

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

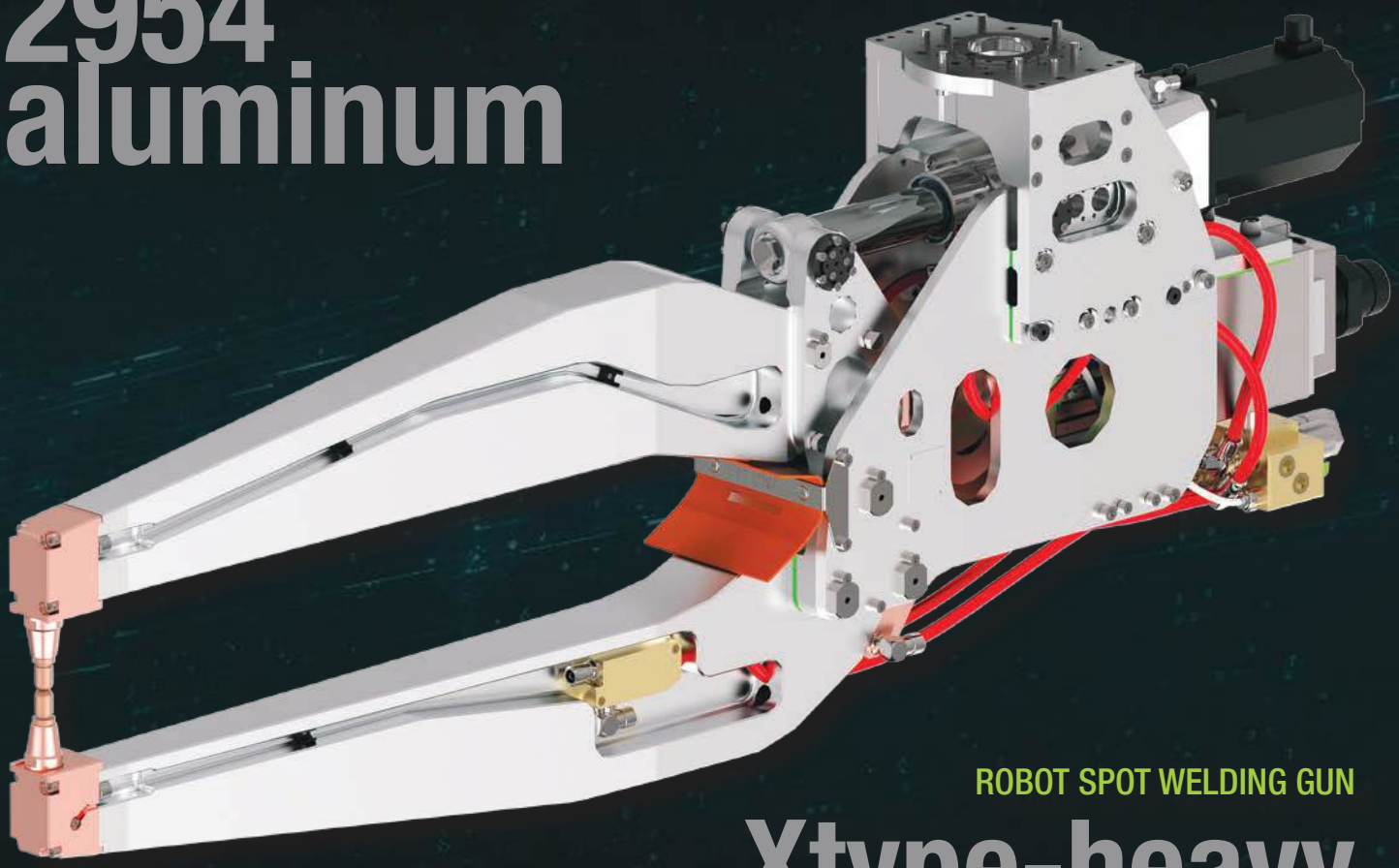
general data							
Actuator sizes		**Exlar GTW80**	**Tolomatic CSWL3**	**Exlar GTW80**	**Tolomatic CSWL3**	**Exlar GTW80**	**Tolomatic CSWL3**
Welding force, daN	**Arm length**	4,5 Nm	6 Nm	4,5 Nm	6 Nm	4,5 Nm	6 Nm
	100 mm	500	650	500	650	500	650
	150 mm	500	650	500	650	500	650
****Gun mass, kg (Arm length 300 mm)**		71	71	73	73	75	75
Gun water cooling , l/min		11	11	11	11	11	11

motor	
Servomotor speed, rpm	3000

transformer			
Type	*MFDC 52 kVA	*MFDC 82 kVA Light	*MFDC 90 kVA Heavy
weight, kg	14,5	16,8	18
water cooling, l/min	4	4	4

** The weight of the guns is with 100 mm arms, with arm fitting, with power transformer and servomotor 6Kg.

2954 aluminum



ROBOT SPOT WELDING GUN

Xtype-heavy

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

electrical data	2954
Type	MFDC 160 kVA [37610]
Nominal power at 50%, kVA	160
No load secondary voltage, V	12.3
Thermal current, kA	8.82
Short circuit current, kA	42

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

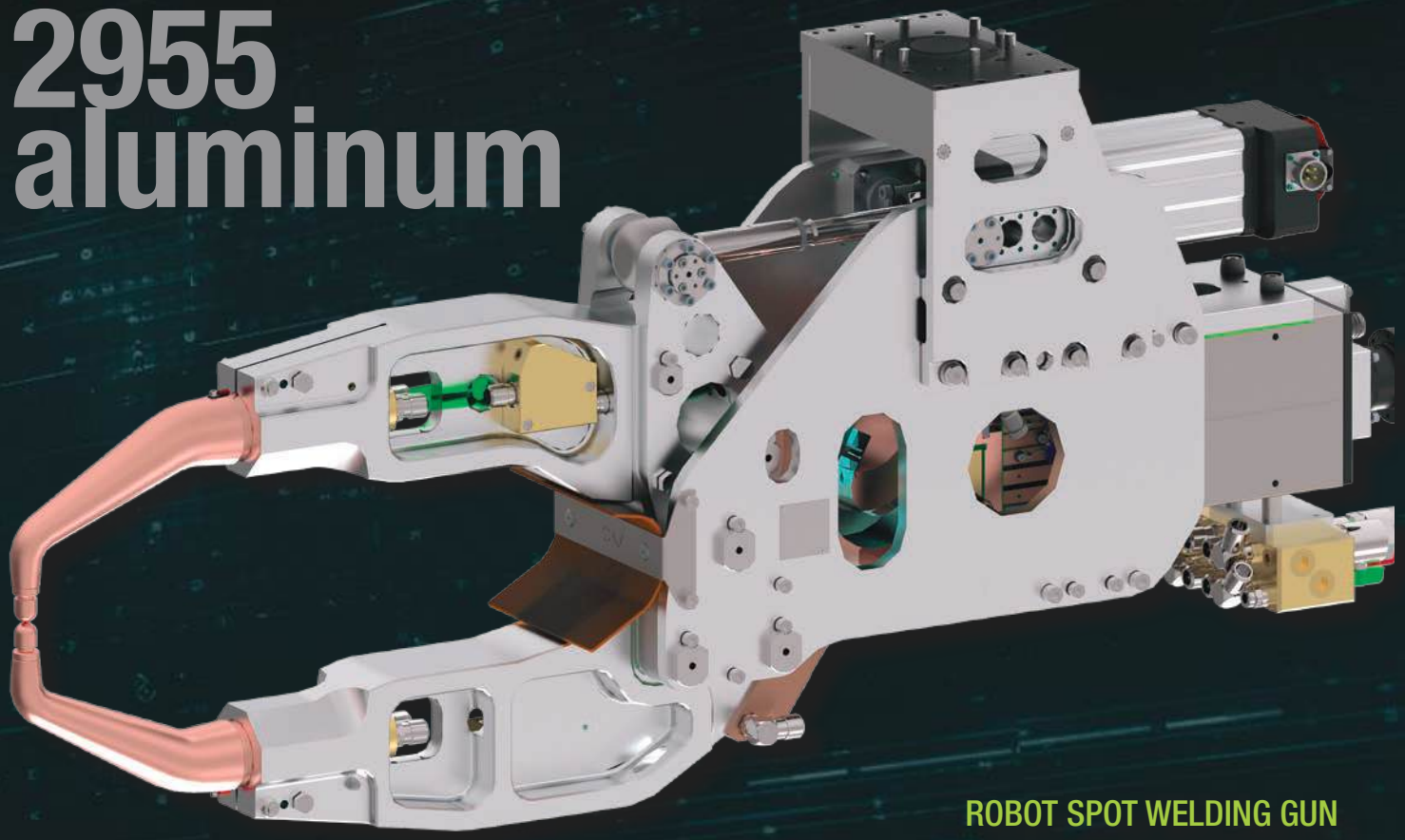
general data		
Actuator sizes		Fanuc BIS12-3000-B
Welding force, daN	Arm length	11 Nm
	450 mm	900
	600 mm	870
	1000 mm	500
**Gun mass, kg (Arm length 300 mm)		159
Gun water cooling, l/min		32

motor	
Servomotor speed, rpm	3000

transformer	
Type	MFDC 160 kVA [37610]
weight, kg	31,8
water cooling, l/min	8

** The weight of the guns is with 450 mm arms, with arm fitting, with power transformer and servomotor 13,7Kg.

2955 aluminum



ROBOT SPOT WELDING GUN

Xtype-heavy

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

electrical data	2955
Type	MFDC 160 kVA [37610]
Nominal power at 50%, kVA	160
No load secondary voltage, V	12.3
Thermal current, kA	8.82
Short circuit current, kA	42

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

general data			
Actuator sizes		Exlar GTW100	Tolomatic CSWX3-MVx4WC
Welding force, daN	Arm length	12,23 Nm	13,4 Nm
	450 mm	900	970
	600 mm	800	970
	1000 mm	500	550
**Gun mass, kg (Arm length 300 mm)		156	
Gun water cooling , l/min		32	32

motor	
Servomotor speed, rpm	3000

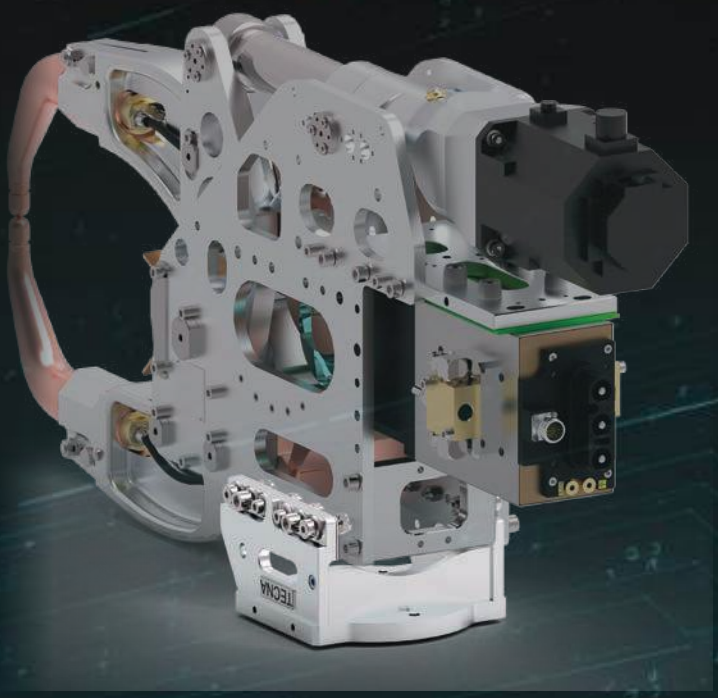
transformer	
Type	MFDC 160 kVA [37610]
weight, kg	31,8
water cooling, l/min	8

** The weight of the guns is with 450 mm arms, with arm fitting, with power transformer and servomotor 13,7Kg.

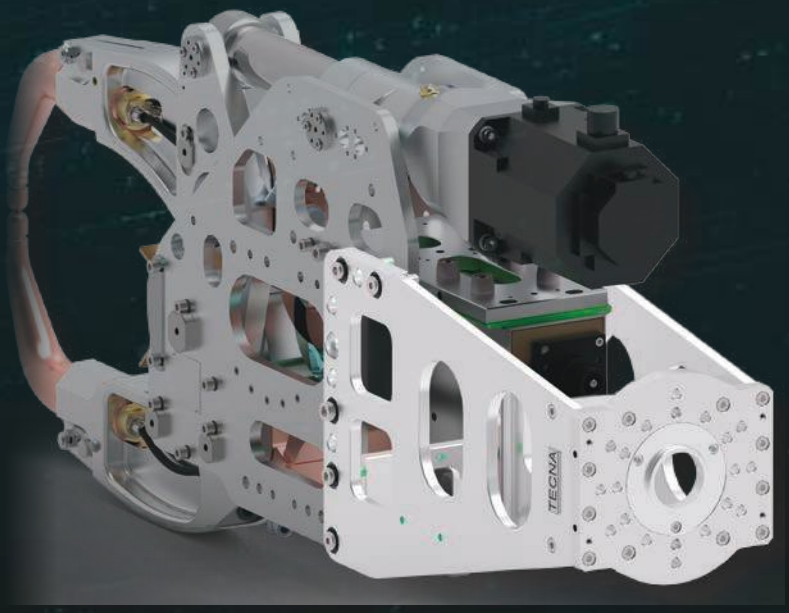
gun coupling to robot



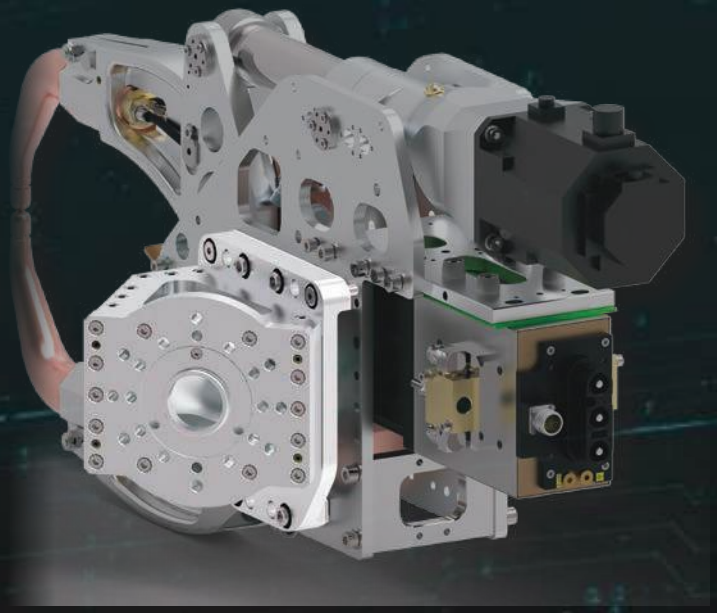
top connection



bottom connection



rear connection



45° connection

every guns is avaible in its right or left mirror configuration and symmetrical guns

options

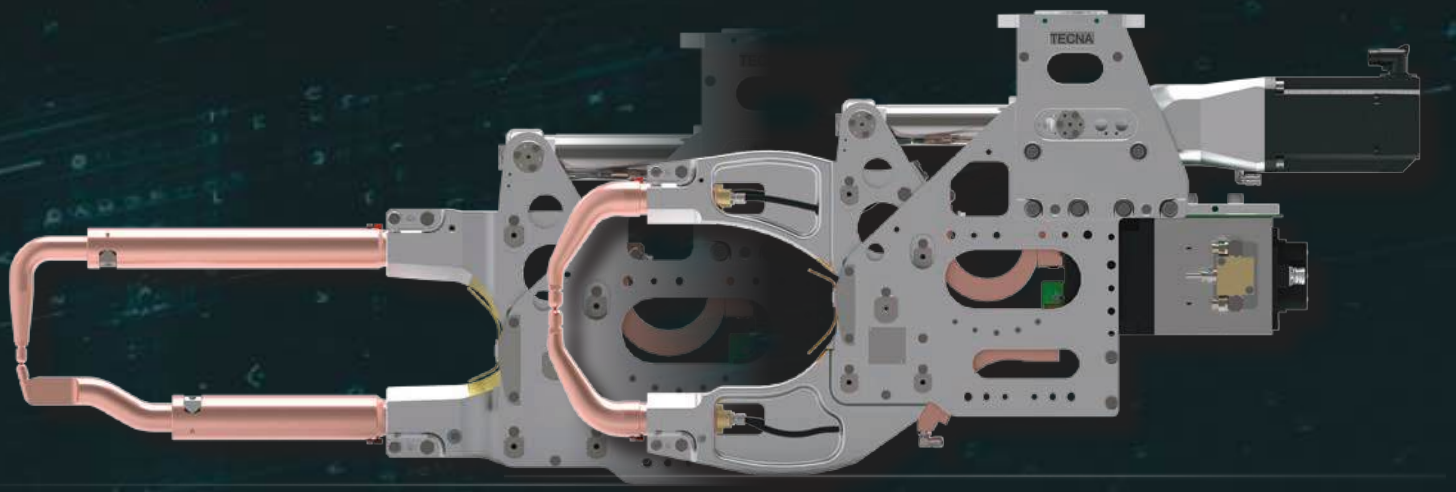


actuator load cell
2933/2934/2943/2944/2954



cooling servomotor

welding arms configuration



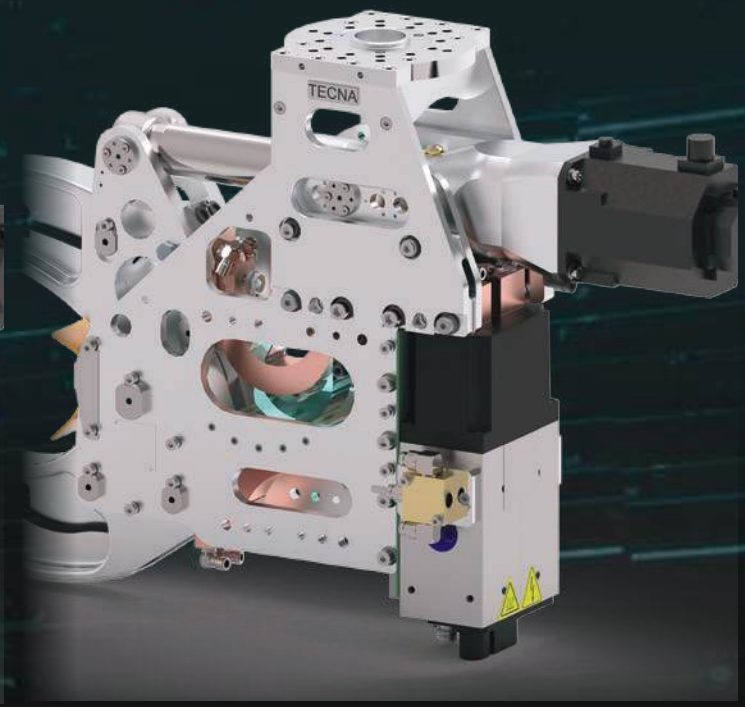
copper arms

aluminum arms

welding transformers configuration



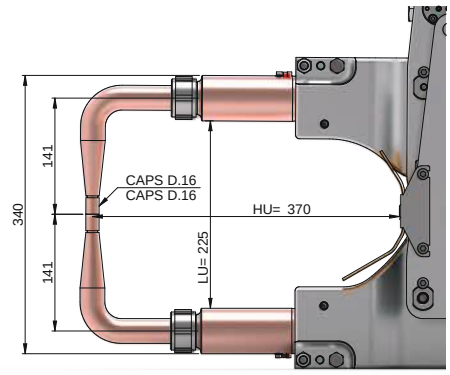
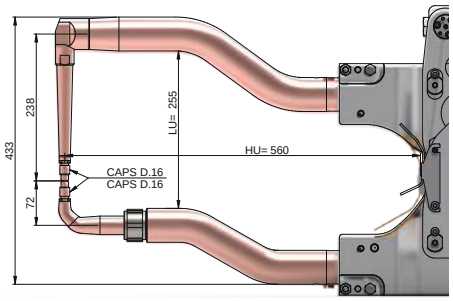
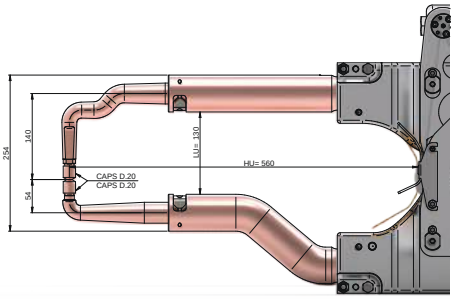
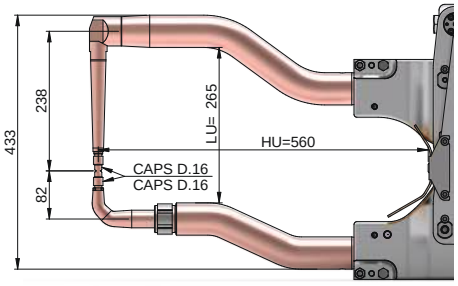
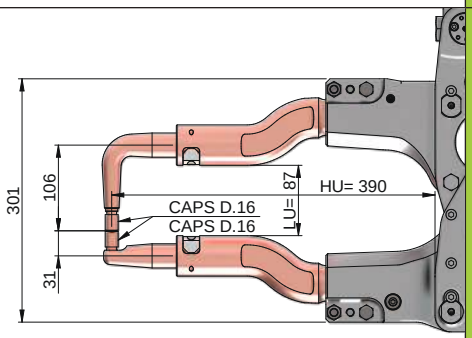
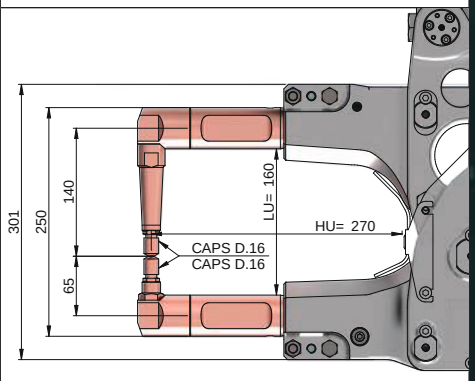
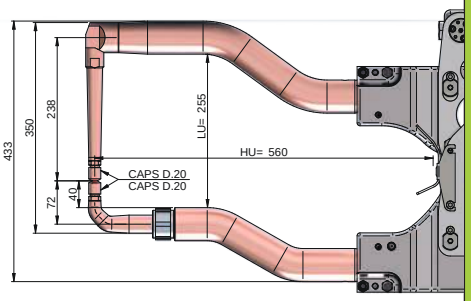
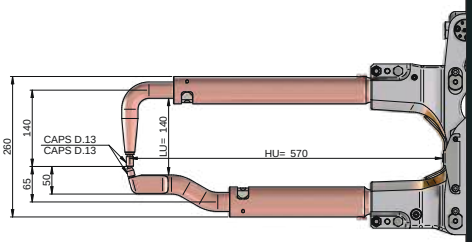
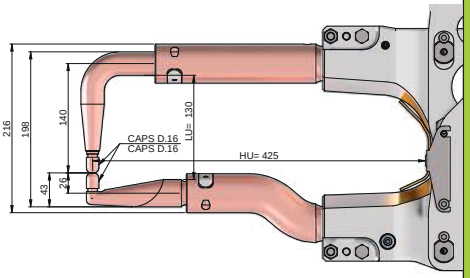
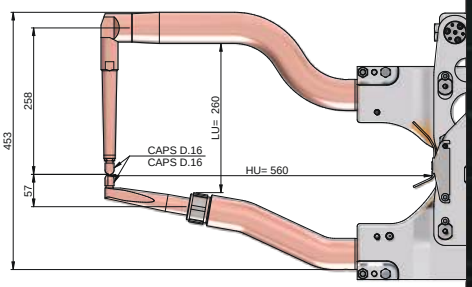
orizontal transformer



vertical transformer

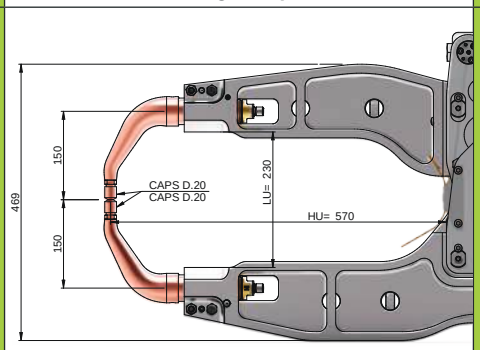
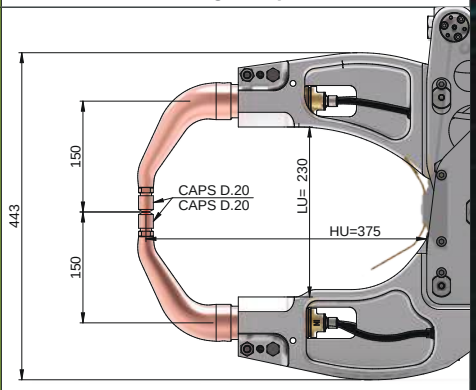
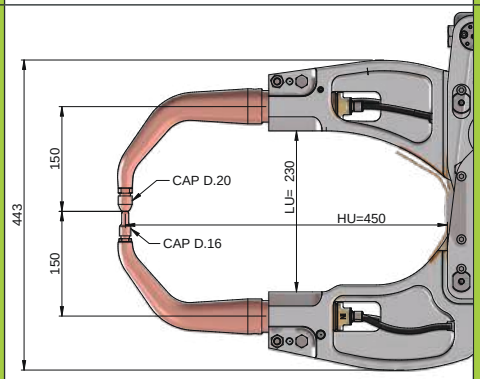
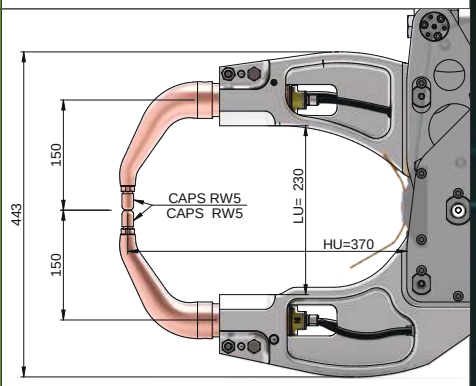
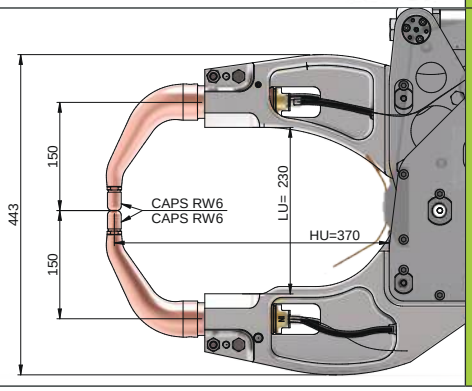
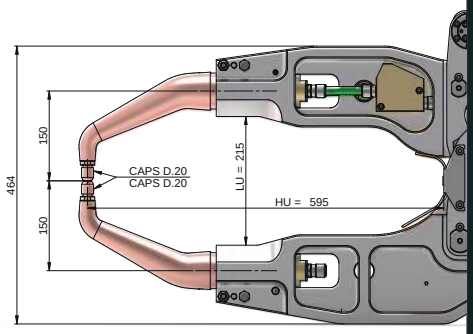
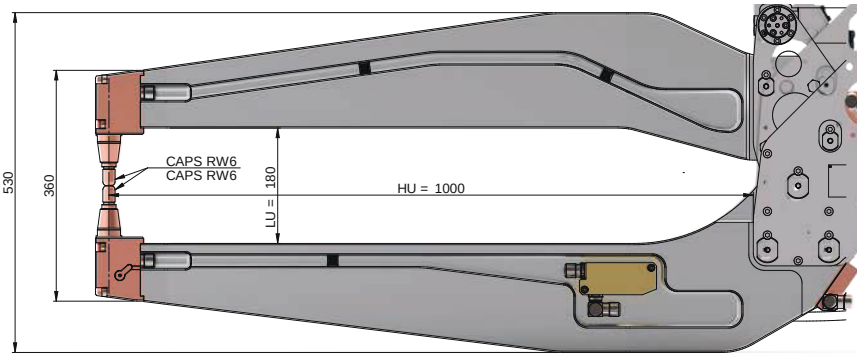
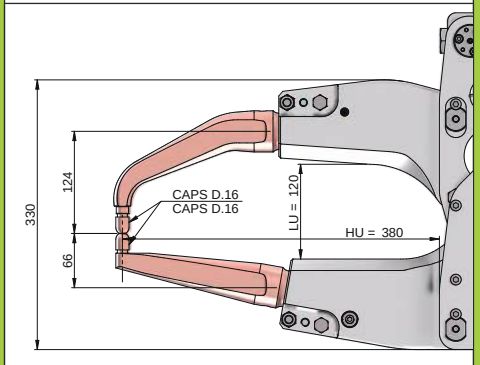
welding arms configuration

SLIM LINE ROBOT GUN ARM & HOLDER VARIANTS

Design code	Design shape	Design code	Design shape
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II91020207		II91020212	
II91020219		II91020221	
II91020222		II91020227	
II91020263		II91020294	

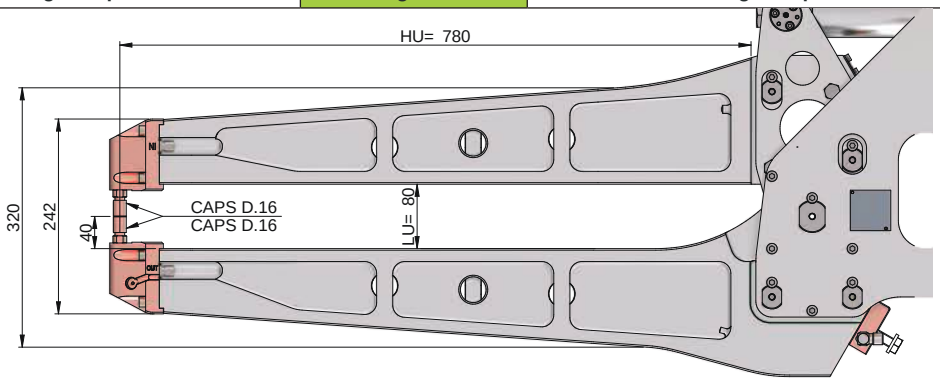
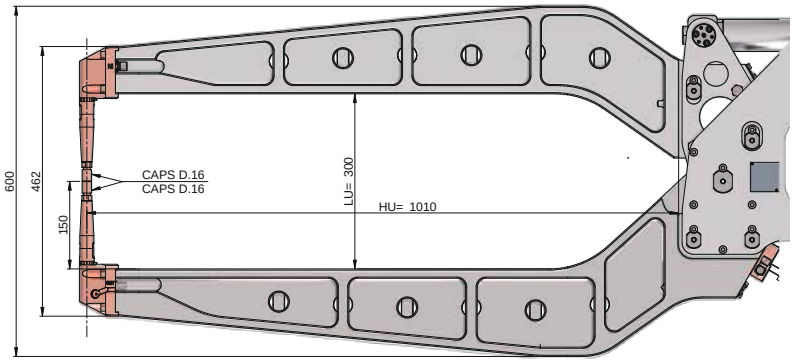
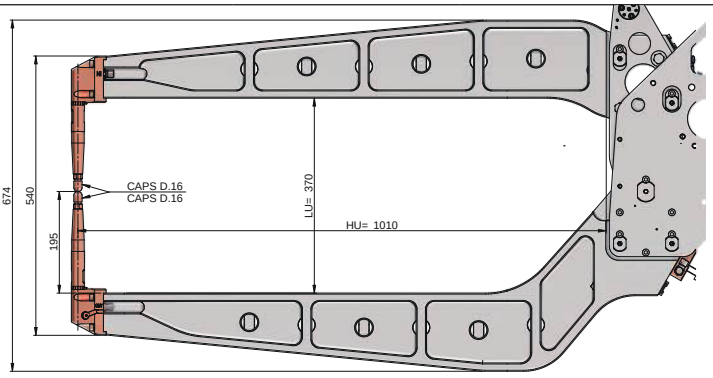
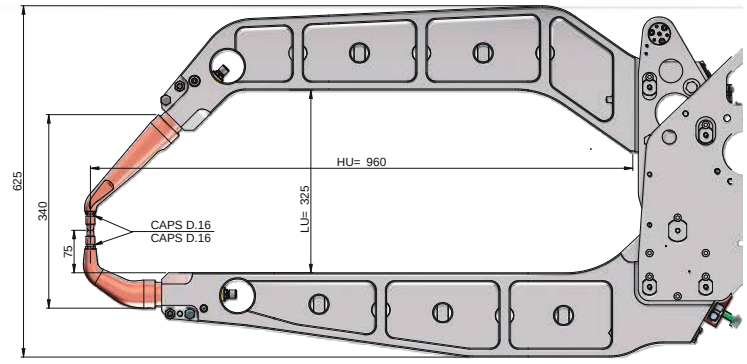
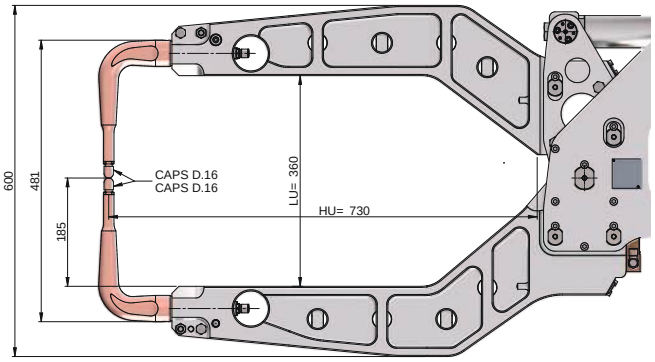
welding arms configuration

SLIM LINE ROBOT GUN ARM&HOLDER VARIANTS

Design code	Design shape	Design code	Design shape
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II91020216		II91020217	
II91020218		II91020232	
II91020252			
II91020266		--	

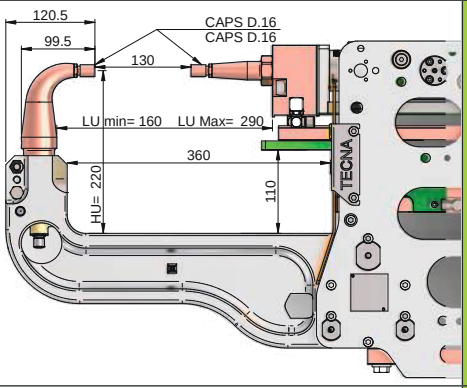
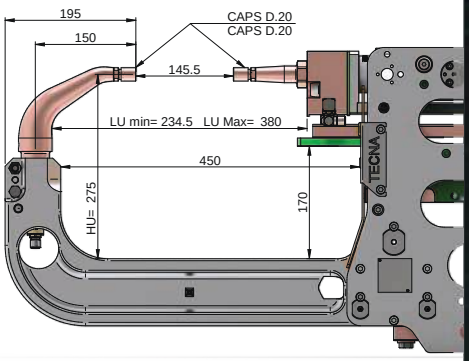
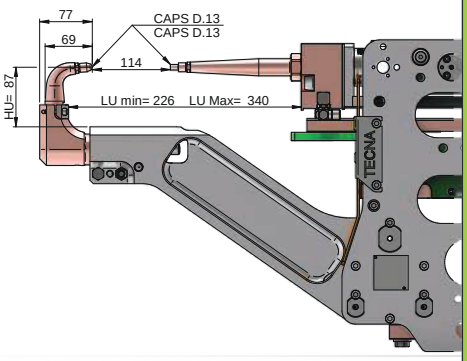
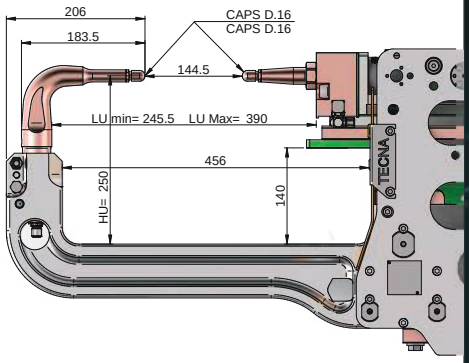
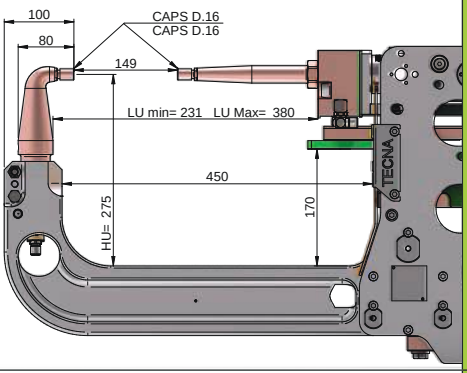
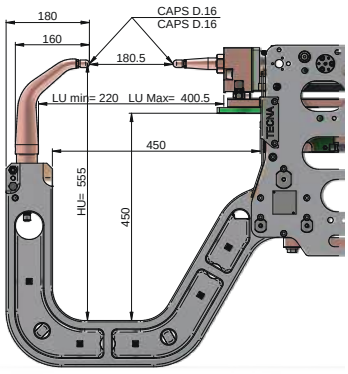
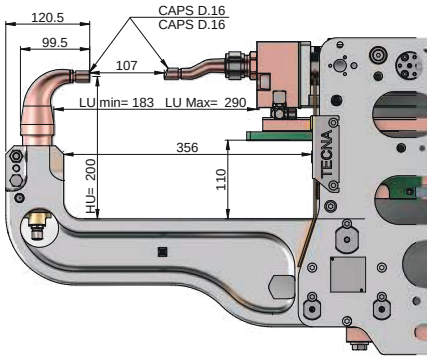
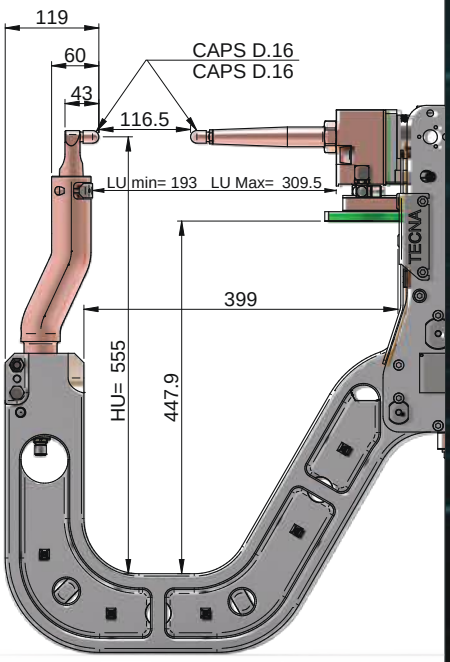
welding arms configuration

SLIM LINE ROBOT GUN ARM & HOLDER VARIANTS

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II91020273			
II91020297			
II91020299			
II91020313			

welding arms configuration

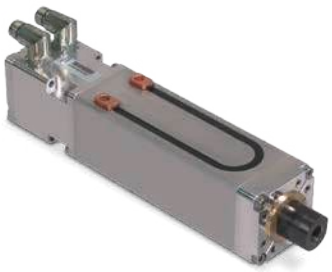
SLIM LINE ROBOT GUN ARM&HOLDER VARIANTS

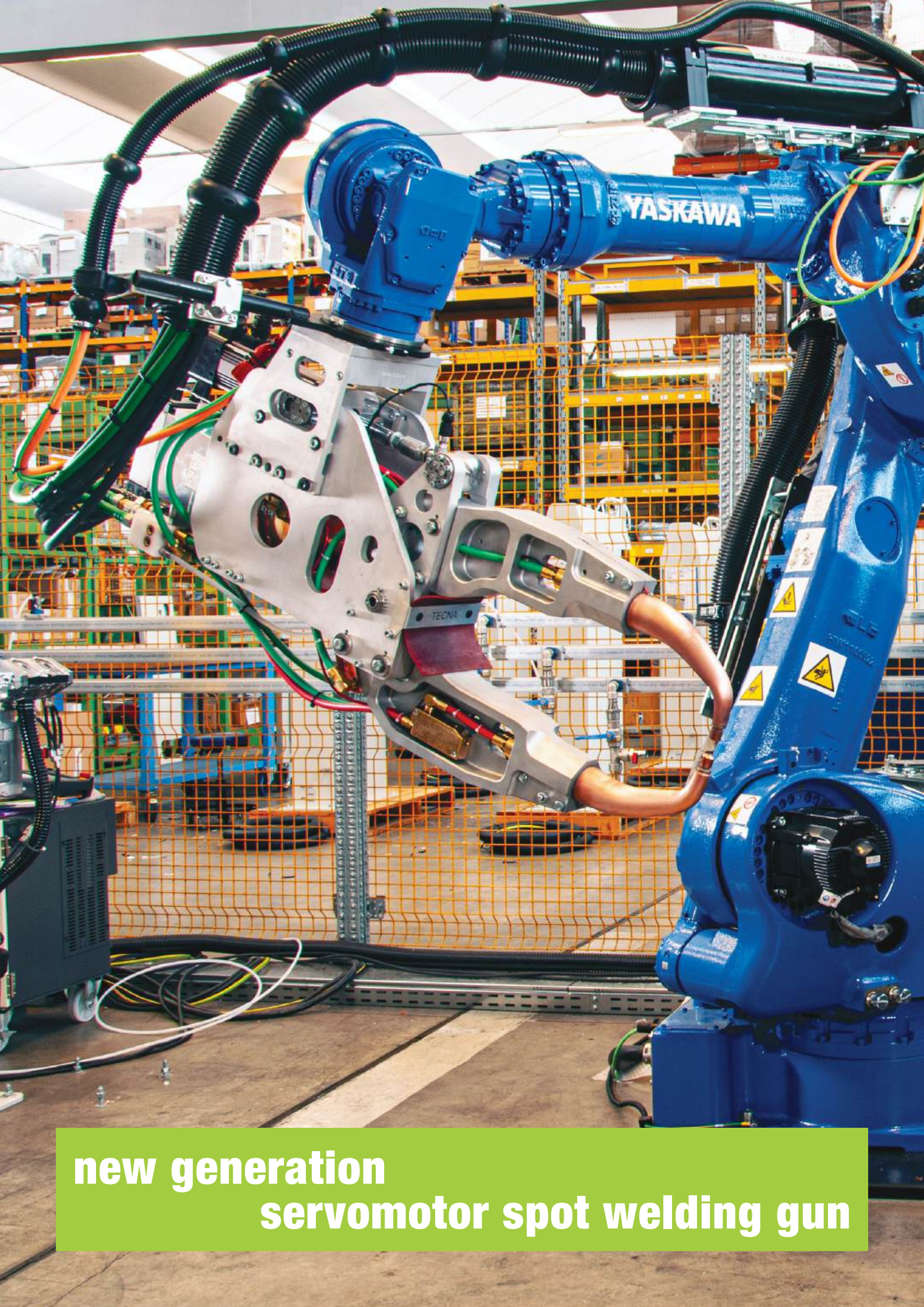
Design code	Design shape	Design code	Design shape
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II91020233		II91020253	
II91020286		II91020290	
II91020291		II91020304	
--			

ACTUATOR TECNA AND SERVOMOTOR OF ROBOT MANUFACTURER

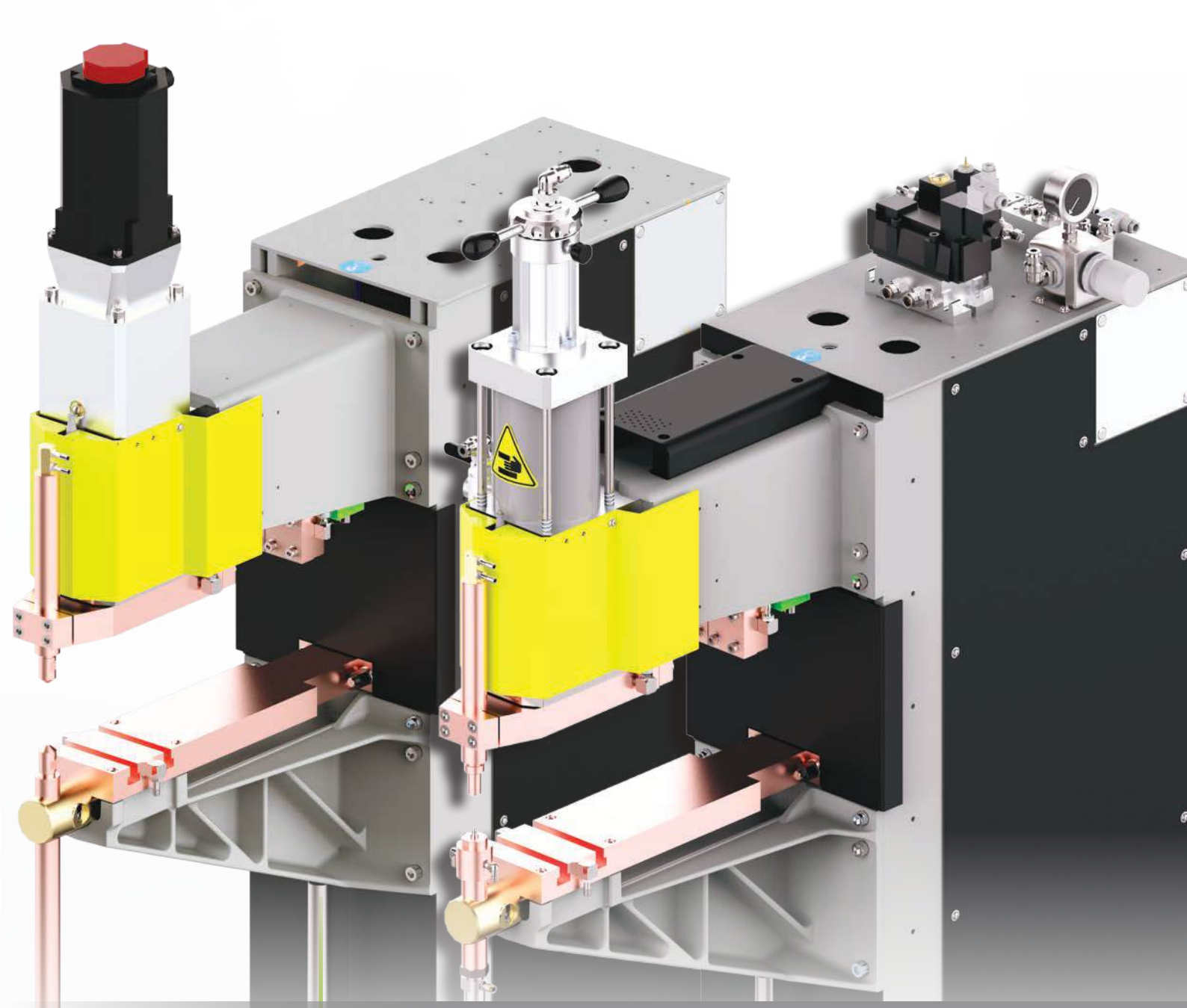
	Producer	Model	Absorption [kW]	Rated Torque [Nm]	Weight [kg]
	Yaskawa	SGM7A-15	1,5	4,9	6,0
		SGM7A-20	2,0	6,36	6,8
		SGM7A-25	2,5	7,96	8,7
	Fanuc	BiS8-4000-B	1,2	7,0	9,6
		BiS12-3000-B	1,8	11	13,7
	ABB	MU200	1,5	6,4	10,3
	Kawasaki	R2AA13200 LCP2S	2	9,5	n.d.
	Nachi	W-L02152	2	9,5	12
	Kuka	MG110-130-40-S0	2,4	8,25	13,7
	Hyundai	TSM3508	3,7	11,7	11,9
	Estun	EM3G-09D	0,85	5,41	7,3
		EM3G-18D	1,8	11,5	10

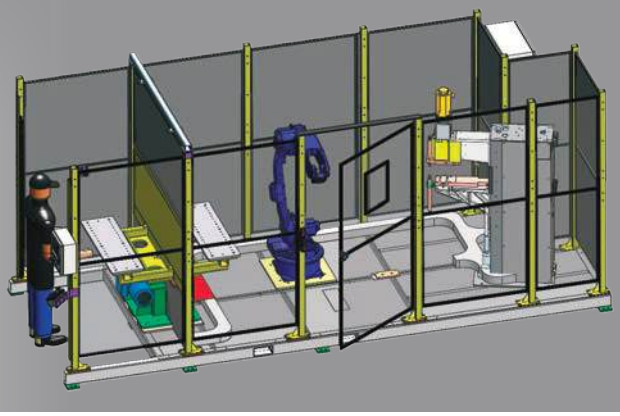
THIRD PART MOTOR

	Producer	Model	Absorption [kW]	Rated Torque [Nm]	Weight [kg]
	Rexroth	MS2N05 D0BRN-BMDG1	1,74	4,74	8,4
		MS2N06 D0BRN-BMDG1	2,48	6,2	10,5
		MS2N07 D0BRN-BMDG1	4,64	14,7	20
	Exlar	GTW80	1,127	4,51	6,8
		GTW100	2,829	12,23	13,1
	Tolomatic	CSWL3 [water cooling]	3,63	8,6	4,8
		CSWX3 MVx3WC [water cooling]	3,43	9,7	12,2
		CSWX3 MVx4WC [water cooling]	4,92	13,4	13,2
		SWA4	4,92	17,8	14,1
	Kinnege	DA99	1,8	7,9	12,7



new generation servomotor spot welding gun





MFDC TECH

inverter spot and projection welding machines for automation



INVERTER SPOT AND PROJECTION WELDING MACHINE

617X

PNEUMATIC ACTUATOR TECNA

electrical data	6171/6172/6173	6174/6175/6176	6177/6178/6179
Type	*MFDC 90 kVA [40139]	*MFDC 160 kVA [37610]	*MFDC 200 kVA [40314]
Nominal power at 50%, kVA	90	160	200
No load secondary voltage, V	9.9	12.3	10.4
Thermal current, kA	6.1	8.82	13
Short circuit current, kA	32	40	60

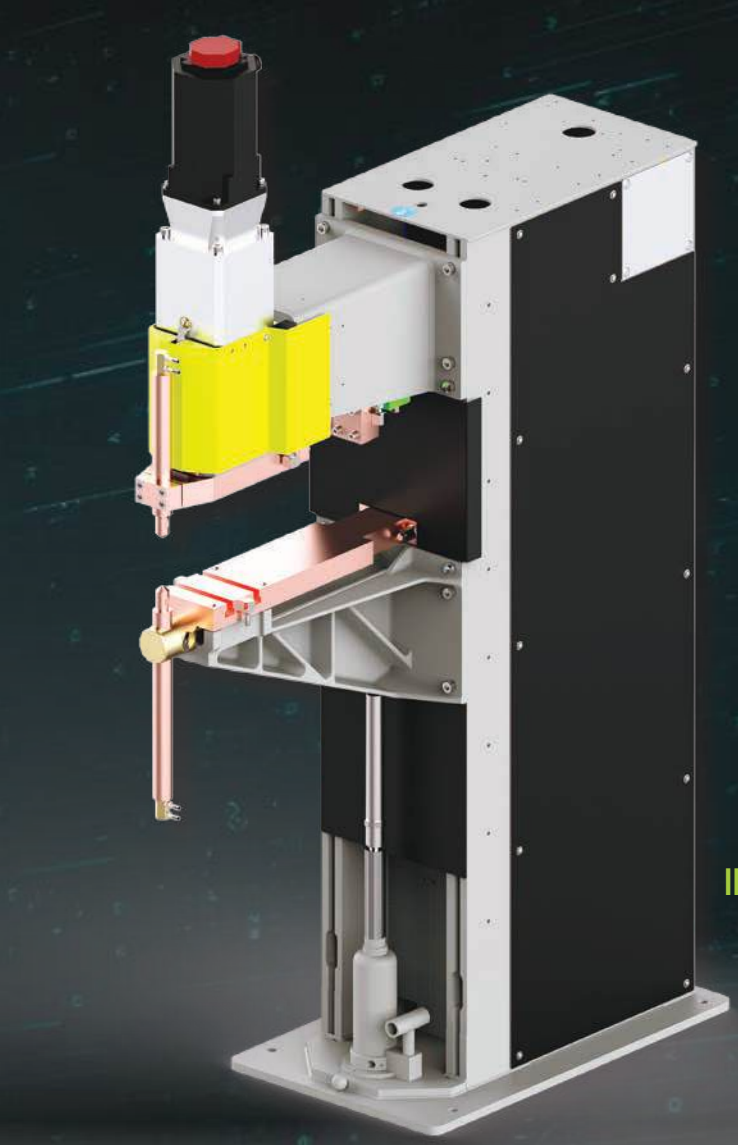
* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

general data						
Actuator sizes [6 bar]		**Ø125 mm**				
Welding force, daN		**Depth spot, mm**	**Depth projections, mm**	**Force, daN**		****Mass, kg**
				std	opt.6135	
	6171/6174/6177	390	265	736	1242	357,70
	6172/6175/6178	540	415	736	1242	377,70
	6173/6176/6179	800	--	736	1242	412,00

cylinder	
diameter, mm	**Ø125**

transformer			
Type	MFDC 90 kVA [40139]	MFDC 160 kVA [37610]	MFDC 200 kVA [40314]
weight, kg	27,3	31,8	63,4
water cooling, l/min	6	8	12

** The weight of the machines is meant without power transformer.



INVERTER SPOT AND PROJECTION WELDING MACHINE

618X

ACTUATOR TECNA AND SERVOMOTOR OF WELD MANUFACTURER

electrical data	6181/6182/6183	6184/6185/6186	6187/6188/6189
Type	*MFDC 90 kVA [40139]	*MFDC 160 kVA [37610]	*MFDC 200 kVA [40314]
Nominal power at 50%, kVA	90	160	200
No load secondary voltage, V	9.9	12.3	10.4
Thermal current, kA	6.1	8.82	13
Short circuit current, kA	32	40	60

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.

general data					
Actuator sizes		**[11Nm] BIS12-3000 B**			
		Depth spot, mm	**Depth projections, mm**	**Force, daN**	****Mass, kg**
Welding force, daN	**6181/6184/6187**	390	265	1200	363,20
	6182/6185/6188	540	415	1200	383,20
	6183/6186/6189	800	--	736	417,20

cylinder	
diameter, mm	**Ø125**

transformer			
Type	MFDC 90 kVA [40139]	MFDC 160 kVA [37610]	MFDC 200 kVA [40314]
weight, kg	27,3	31,8	63,4
water cooling, l/min	6	8	12

** The weight of the machines is meant without power transformer.



RESISTANCE WELDING INVERTER POWER SOURCE

1861W-1862W

POWERED BY SENSUM

Sensum by TECNA

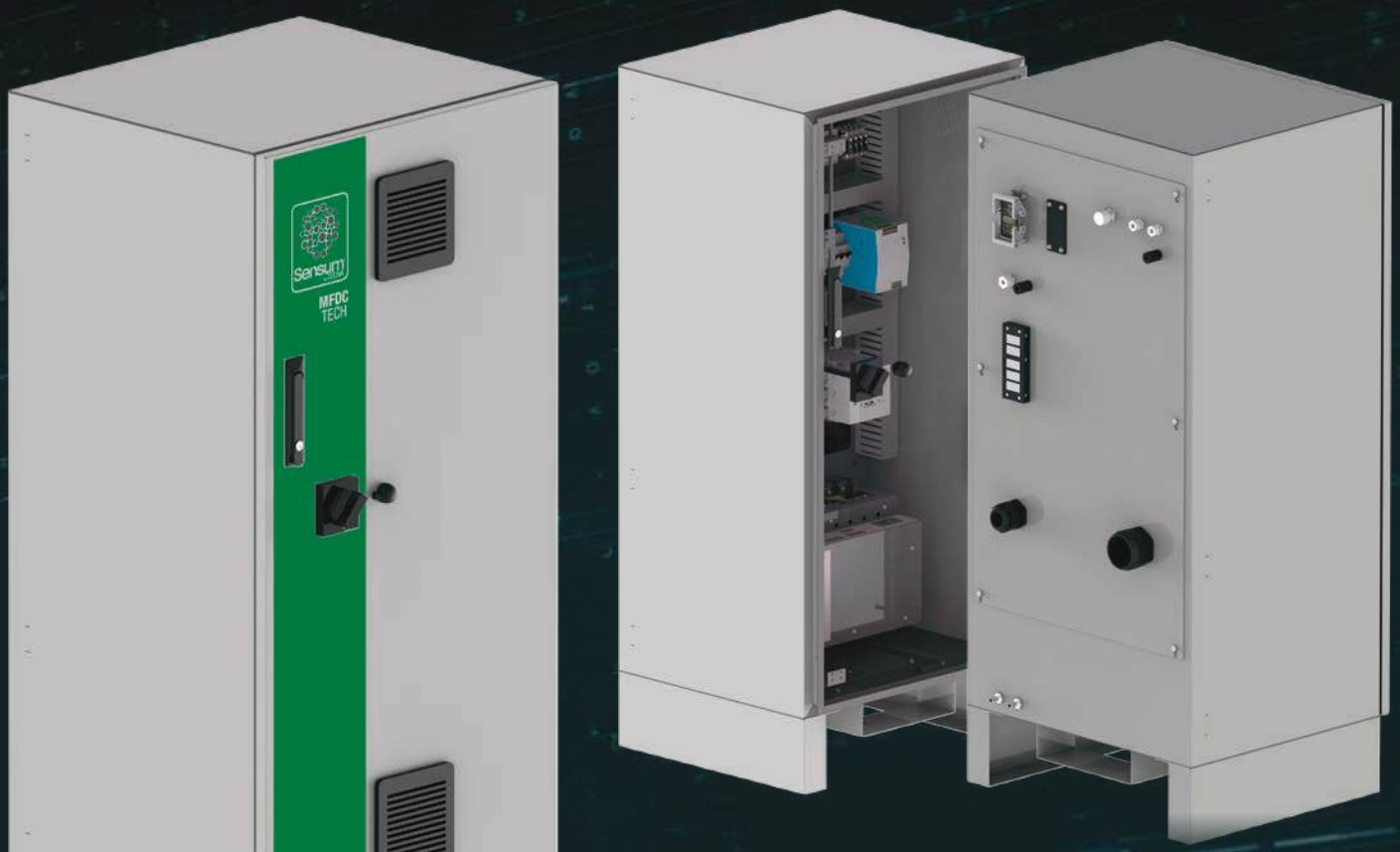
	1861W	1862W
Transformer	MFDC 56 kVA	MFDC 90 kVA
I_{max}	25000 A	32000 A
Mains supply,V (3 phases)	400	400
Input frequency, Hz	50	50
MAX primary current, A	500	700
Cooling type	**WATER COOLING** (heavy duty)	

Dimensions H/W/D, cm	600 x 447 x 760	600 x 447 x 760
Weight, kg	70	75

transformer

Type	*MFDC 56 kVA [40138]	*MFDC 90 kVA [40139]	*MFDC 52 kVA [4000016240]	*MFDC 82 kVA [4000013409]
Nominal power at 50%, kVA	56	90	52	82
No load secondary voltage, V	8.4	9.9	6.1	9.1
Thermal current, kA	4.8	6.1	5.5	6
Short circuit current, kA	25	32	20	30
weight, kg	19,7	27,3	15,4	16,8
water cooling, l/min	6	6	4	4

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.



RESISTANCE WELDING INVERTER POWER SOURCE FULL OPTIONAL

1865W-1866W

POWERED BY SENSUM

Sensum by TECNA

	1865W	1866W
Transformer	MFDC 90 kVA	MFDC 160 kVA
I_{max}	32000 A	42000 A
Mains supply, V (3 phases)	400	400
Input frequency, Hz	50	50
MAX primary current, A	700	1000
Cooling type	**WATER COOLING** (heavy duty)	

Dimensions H/W/D, cm	600 x 530 x 1350	600 x 530 x 1350
Weight, kg	200	215,6

transformer			
Type	*MFDC 90 kVA [40139]	*MFDC 90 kVA [4000013410]	*MFDC 160 kVA [37610]
Nominal power at 50%, kVA	90	90	160
No load secondary voltage, V	9.9	9.1	12.3
Thermal current, kA	6.1	6.61	8.82
Short circuit current, kA	32	32	40
weight, kg	27,3	18	31,8
water cooling, l/min	6	4	8

* Transformers available with 500 V / 1000 Hz or alternatively 600 V / 1000 Hz power supply.



WATER GROUP FOR ROBOT GUN

7290000142

STEEL GUN



WATER GROUP FOR ROBOT GUN

7290000135

ALUMINIUM GUN



3680SI
end line



QR code to this site

INVERTER END LINE

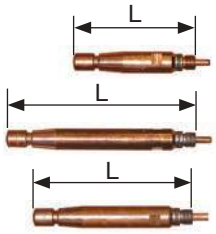
3680SI

TECNA WELD MANUFACTURER

technical features	3680SI 8692	3680SI 8692
Supply voltage	400 VACx3~50 Hz	220 VACx3~50/60 Hz
ins fuses, A	32 - delayed	50 - delayed
Welding current, kA	15.5	
Content of the water tank, l	25	
Dimensions height/width/depth, cm	233 / 72 / 98	
Total weight without accessories, kg	165	
“C” gun	8692	8692
Cables length, m	4	6
Nominal power 50% ED, kVA	22	22
Maximum welding power, kVA	129	129
Thermal current 100%, kA	2,05	2,5
No load secondary voltage, V	7,7	7,7
Max. electrode force [at 8 bar], daN	580	580
Recognition sensor	S	S
Gun weight without arms, kg	10,8	10,8

ARMS/ELECTRODES

8692



● 5228/7 - ø16 L=99 mm

● 5229/7 - ø16 L=163 mm

○ 5230/7 - ø16 L=137 mm

Ø 16



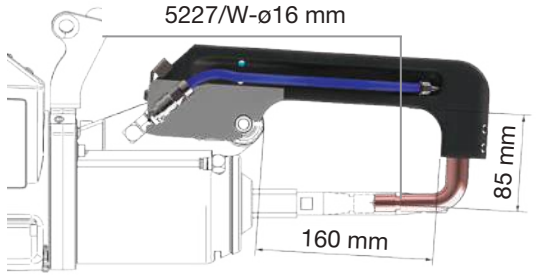
5234

5233 ● 5231 ○ 5232 ○

● STANDARD ○ ON DEMAND

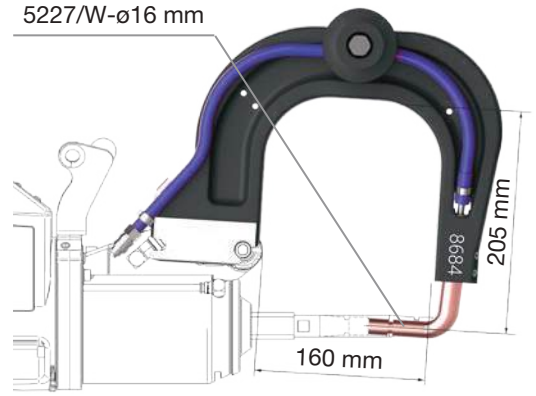


● 8685/W/C



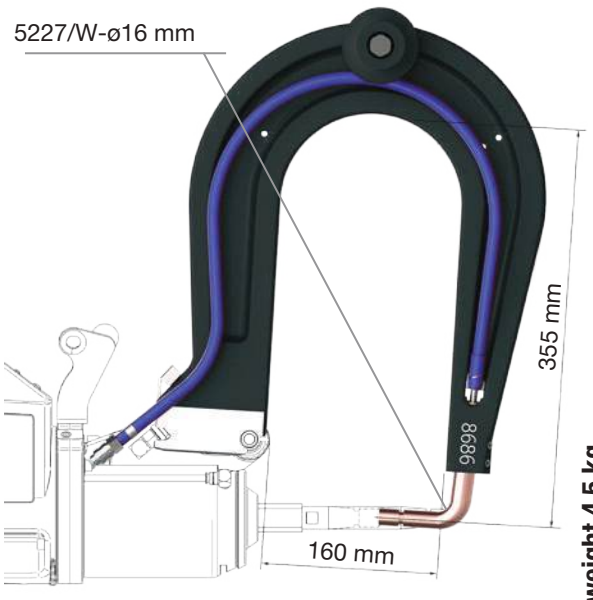
weight 1,5 kg

○ 8684/W/C



weight 2,5 kg

○ 8686/W/C



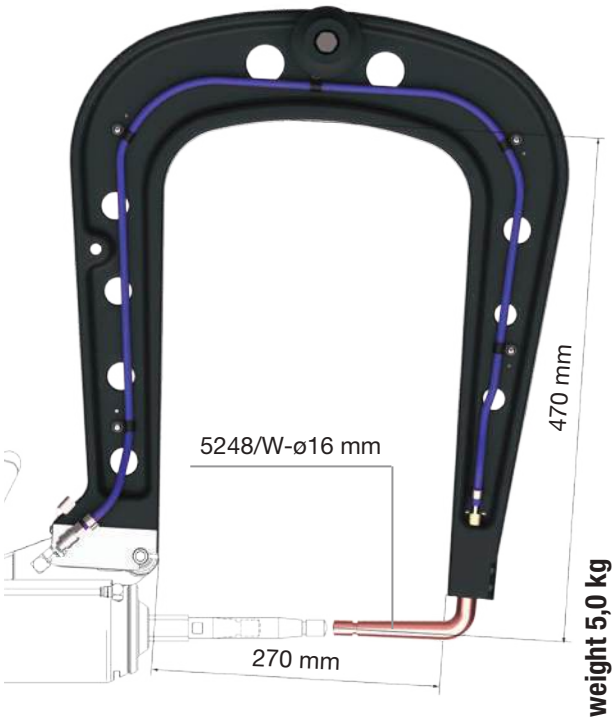
weight 4,5 kg

○ 8687/W/C



weight 9,0 kg

○ 8695/W/C



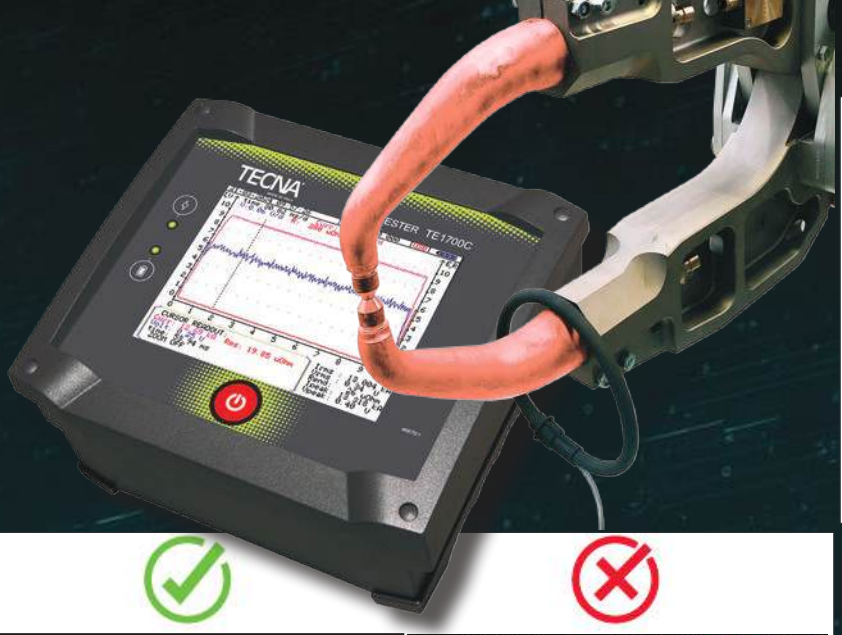
weight 5,0 kg

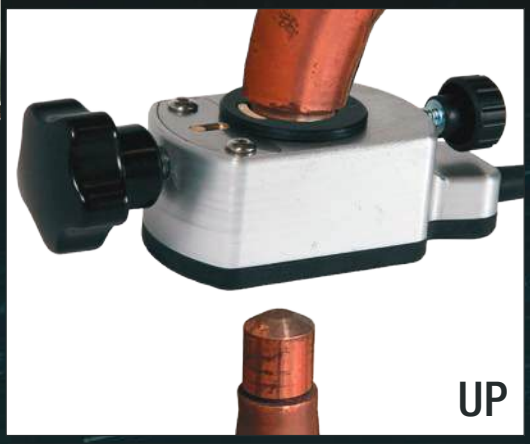


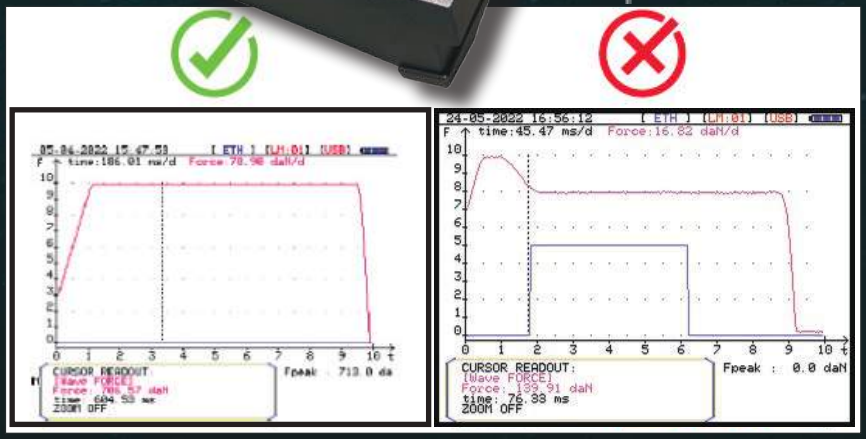
3680S Industry
pneumatic spot welding station

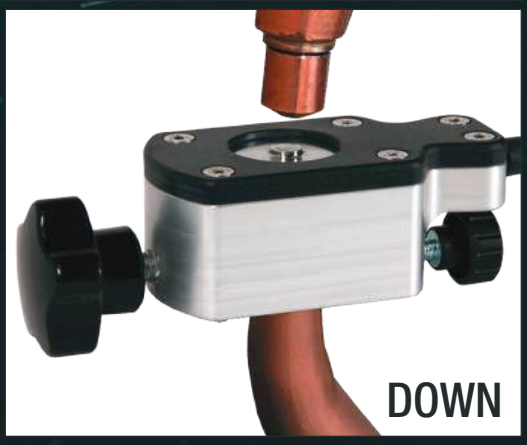


high performance instrument



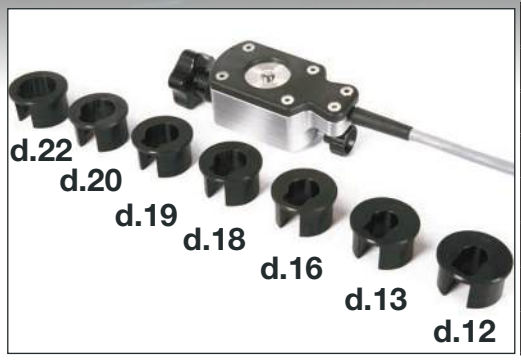






TE1700C - 1665A

MEASUREMENT SYSTEMS



Item	7320000447
4000016209	Adapter Cap diam 22 mm
4000016208	Adapter Cap diam 20 mm
4000016207	Adapter Cap diam 19 mm
4000016210	Adapter Cap diam 18 mm
4000016206	Adapter Cap diam 16 mm
4000016205	Adapter Cap diam 13 mm
4000016211	Adapter Cap diam 12 mm

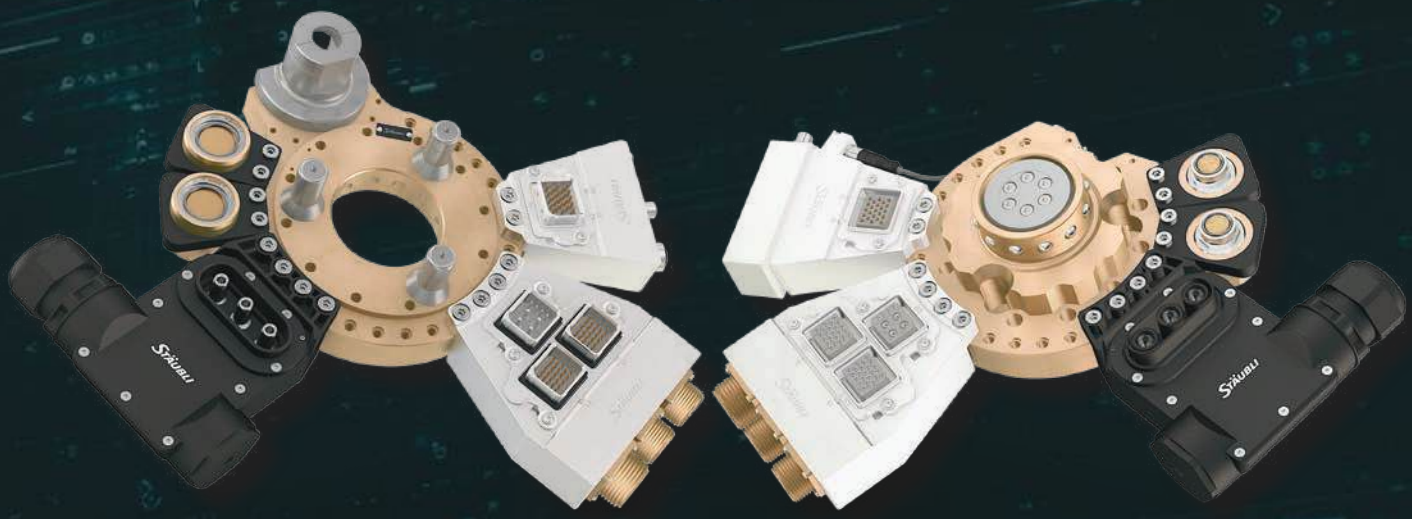


Kit 7320000447

Technical Specifications	1665A
Force Range 1665A	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

* CONTROLED 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

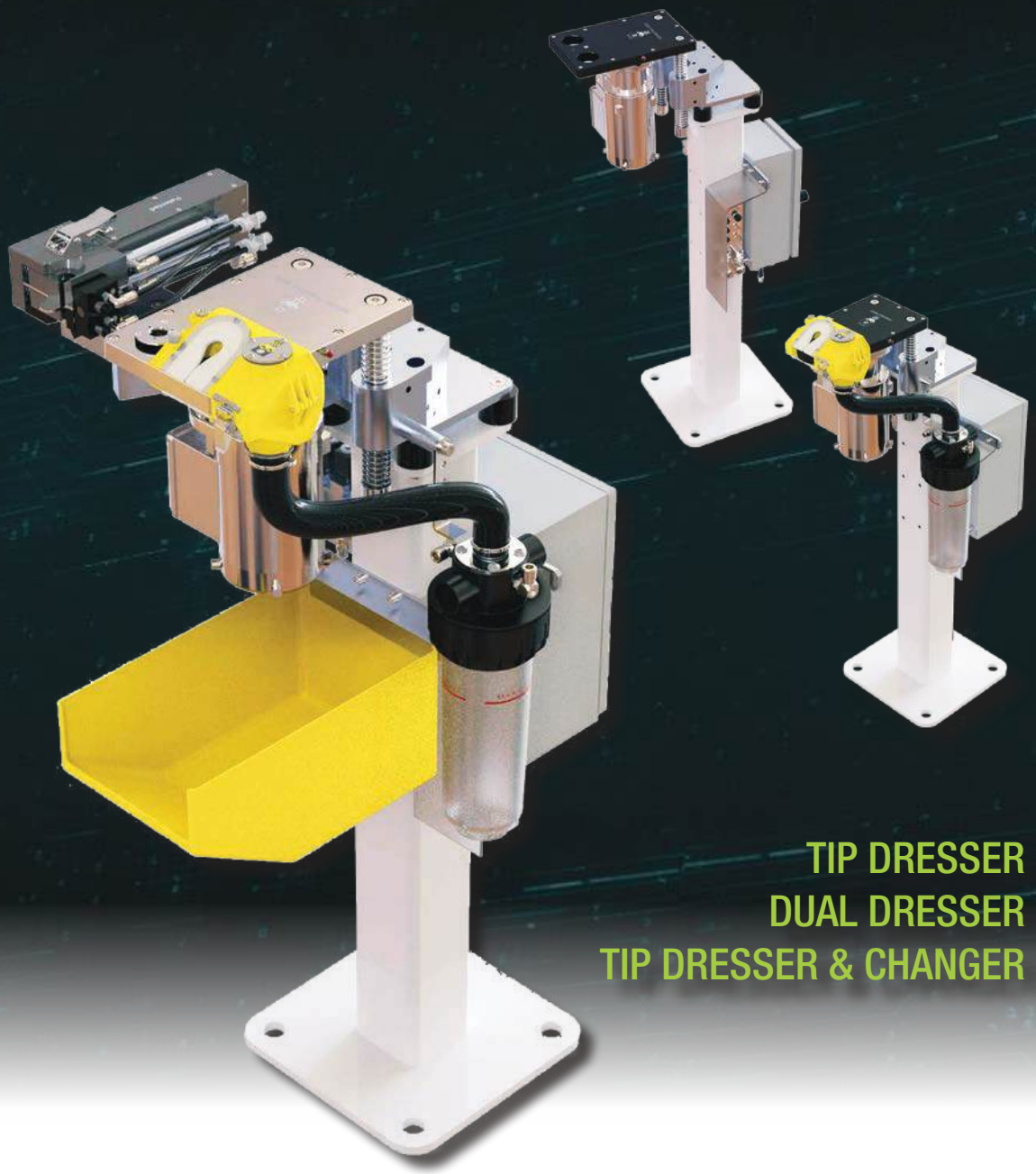
The illustration shown in this page is just a representation of configuration and can vary especially with regard to the design, size and details of the product.

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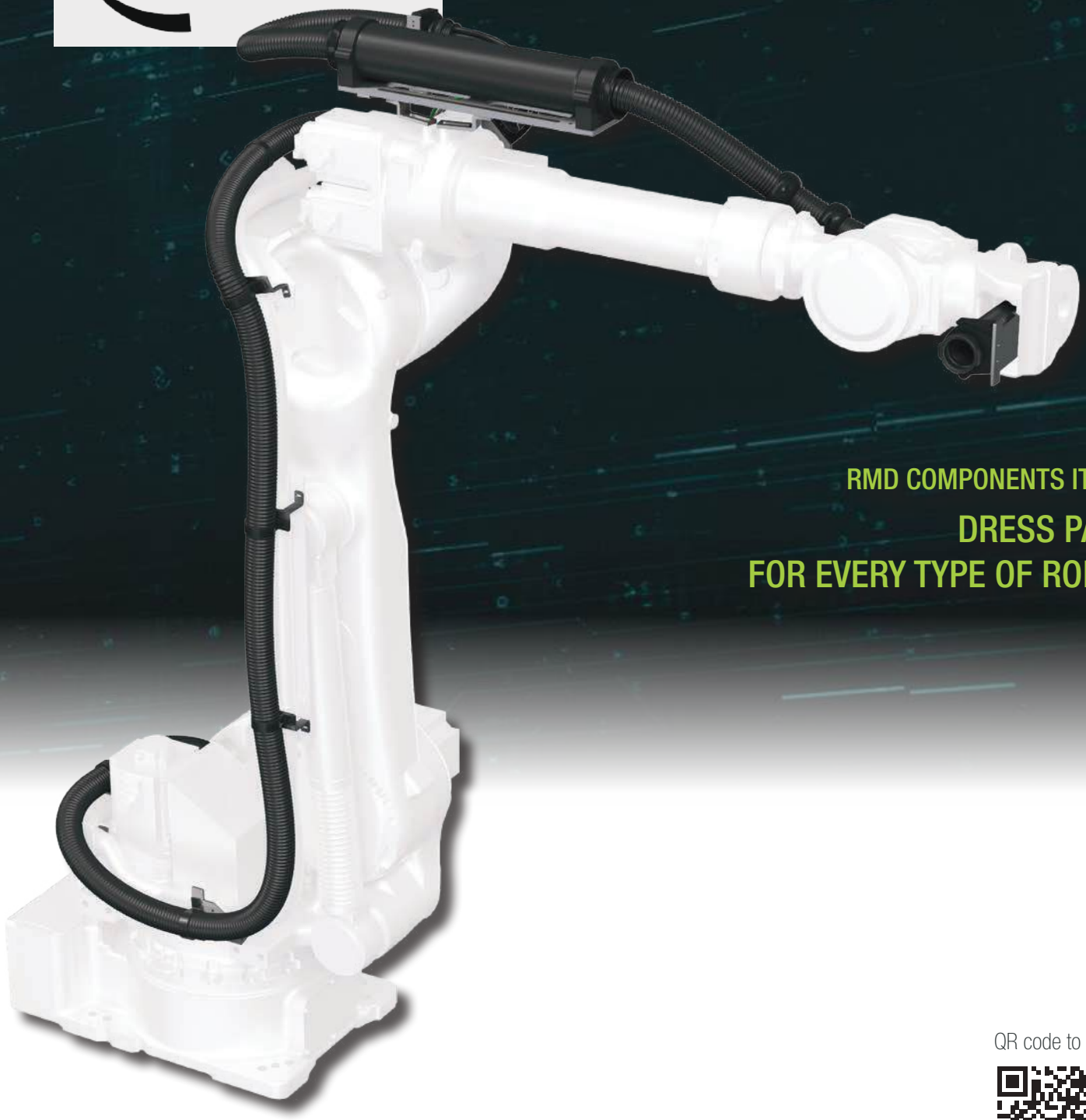


TIP DRESSER
DUAL DRESSER
TIP DRESSER & CHANGER

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 srl



RMD COMPONENTS ITALIA

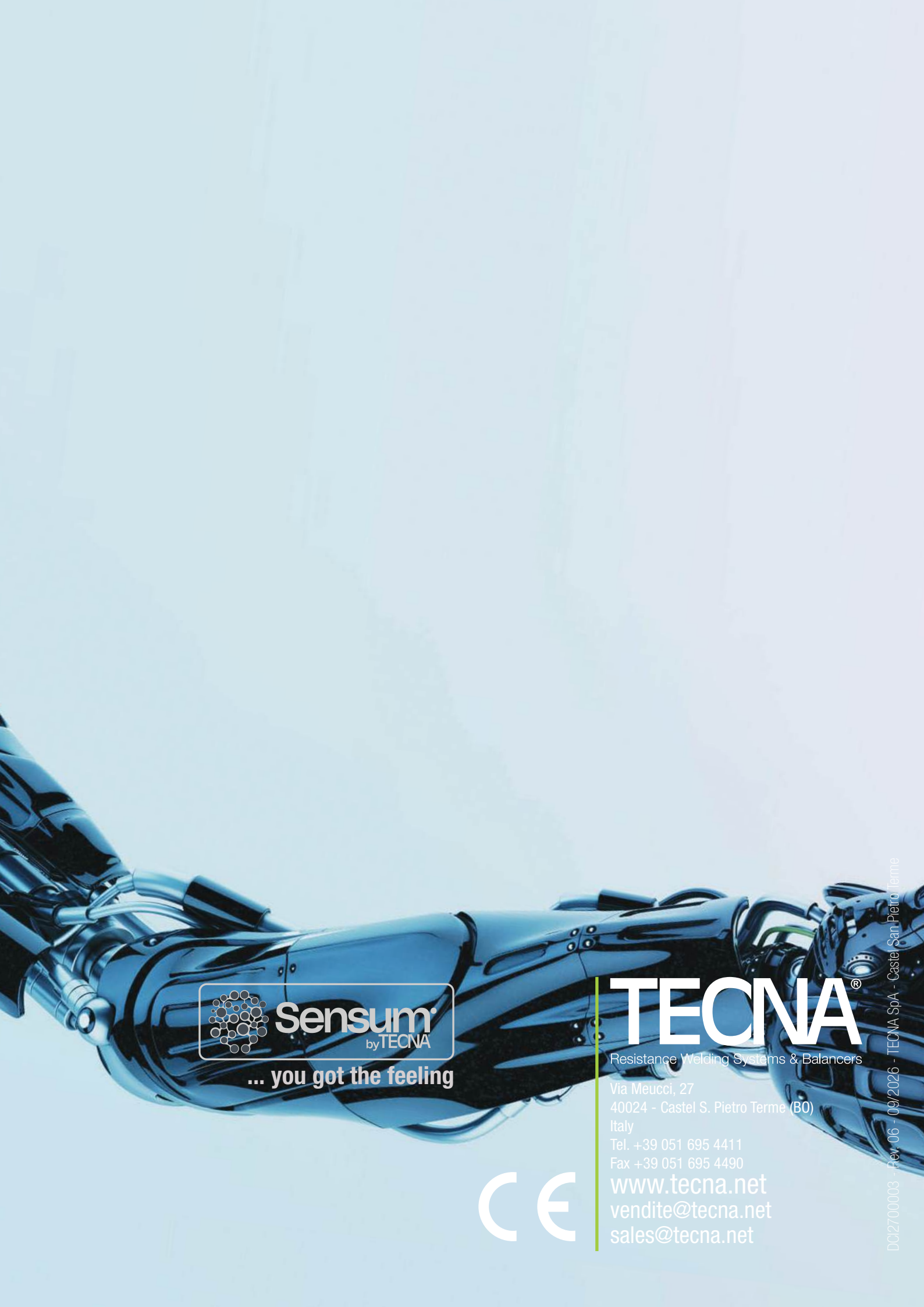
DRESS PACK
FOR EVERY TYPE OF ROBOT

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RC5-0050-00-XXX SPS80 / SP165 / SP210	RC5-0020-00-XXX SP210 / SP225 Alu
N° 3 corde 35mm²	N° 3 corde 90mm²
N° 2 tubi 1/2" H_2O	N° 2 tubi 3/4" Rit.+2 tubi1/2" Mand.
N° 1 Cavo motore/cavo encoder/cavo segnali pinze	N° 1 Cavo motore/cavo encoder/cavo segnali pinze


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