



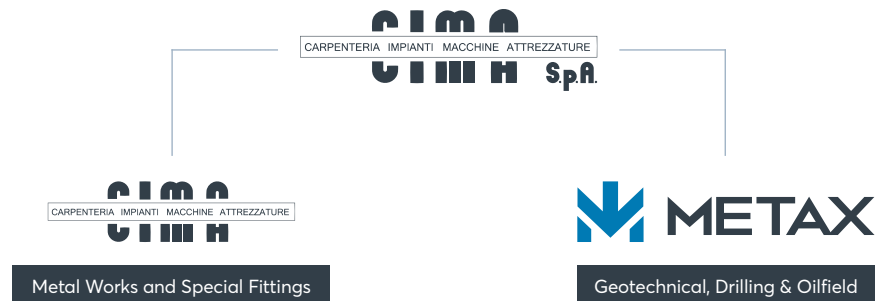


Geotechnical, Drilling & Oilfield Division of



# History of METAX

METAX is the geotechnical division of CIMA S.p.A. on which CIMA (July 1961) and METAX (March 1987) merged in April 2001 under a unique company operating in two Business Divisions:



METAX boasts a high expertise in the construction of high-pressure triplex pumps, mud pumps, jet mixing and injection plants, mixing plants and storage equipment for soil consolidation, tunneling and backfilling, oil field, drilling and directional drilling applications.

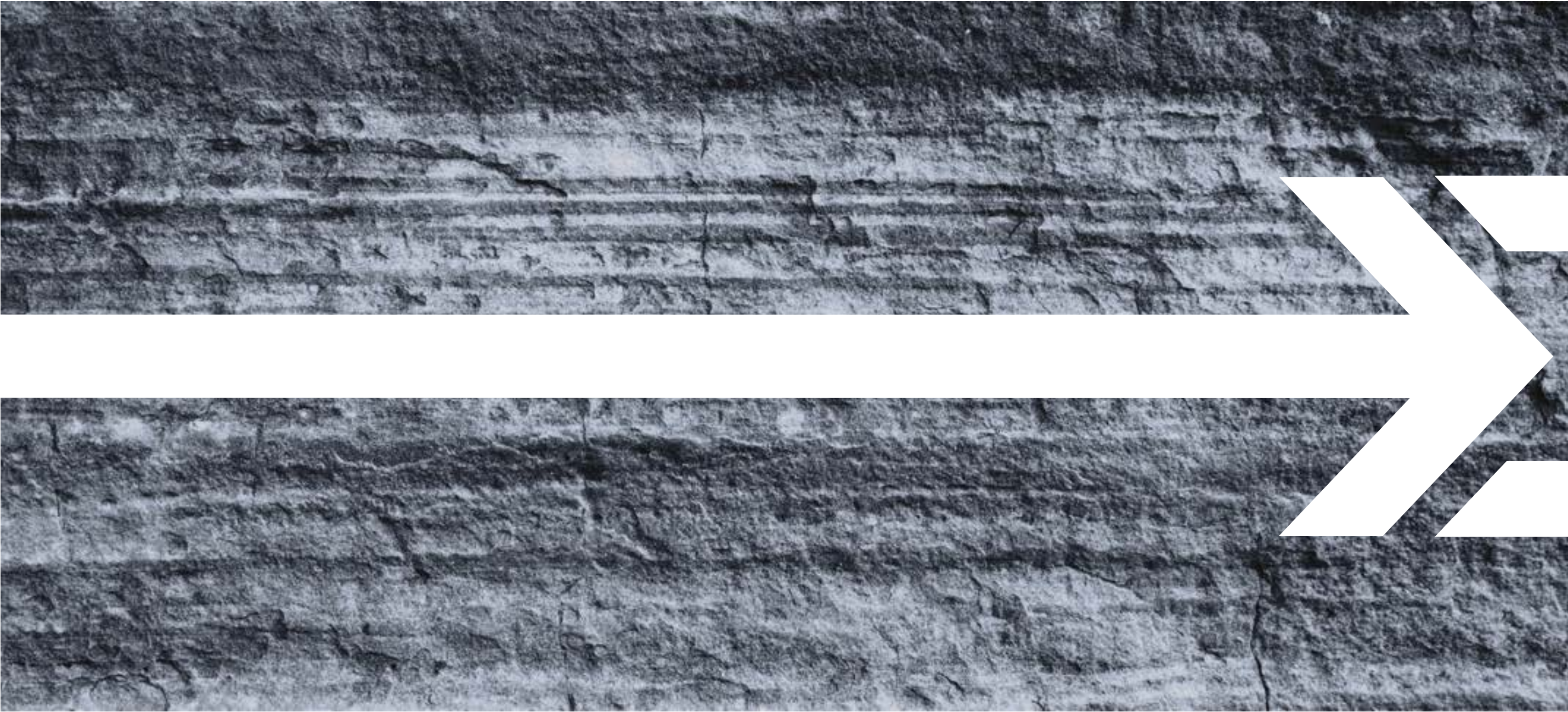
METAX is a great partner able to support its customer anywhere in the world. With its specific geotechnical consultancy, it supports clients to choose jet grouting, grouting, injection and drilling systems, provides information on the types of equipment to be used, and gives support in managing building sites including start-up and, where necessary, in house training.

Thanks to continuous investments in human resources and R&D, METAX has a strong leadership in the soil consolidation and oil field industries. The great commitment in the geotechnical market makes the company a special partner to rely on.





Customer Oriented      Reliability      Productivity      Quality      Flexibility      Know How      Innovation

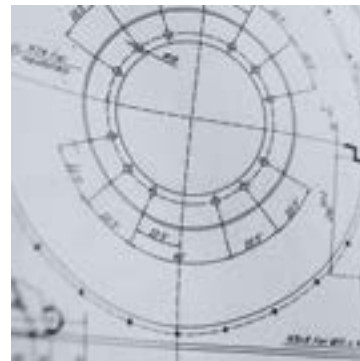




## Our Working Method



**1.**  
Customer Contact  
and Solution  
Research



**2.**  
Technical and Sales  
Consultancy



**3.**  
Production



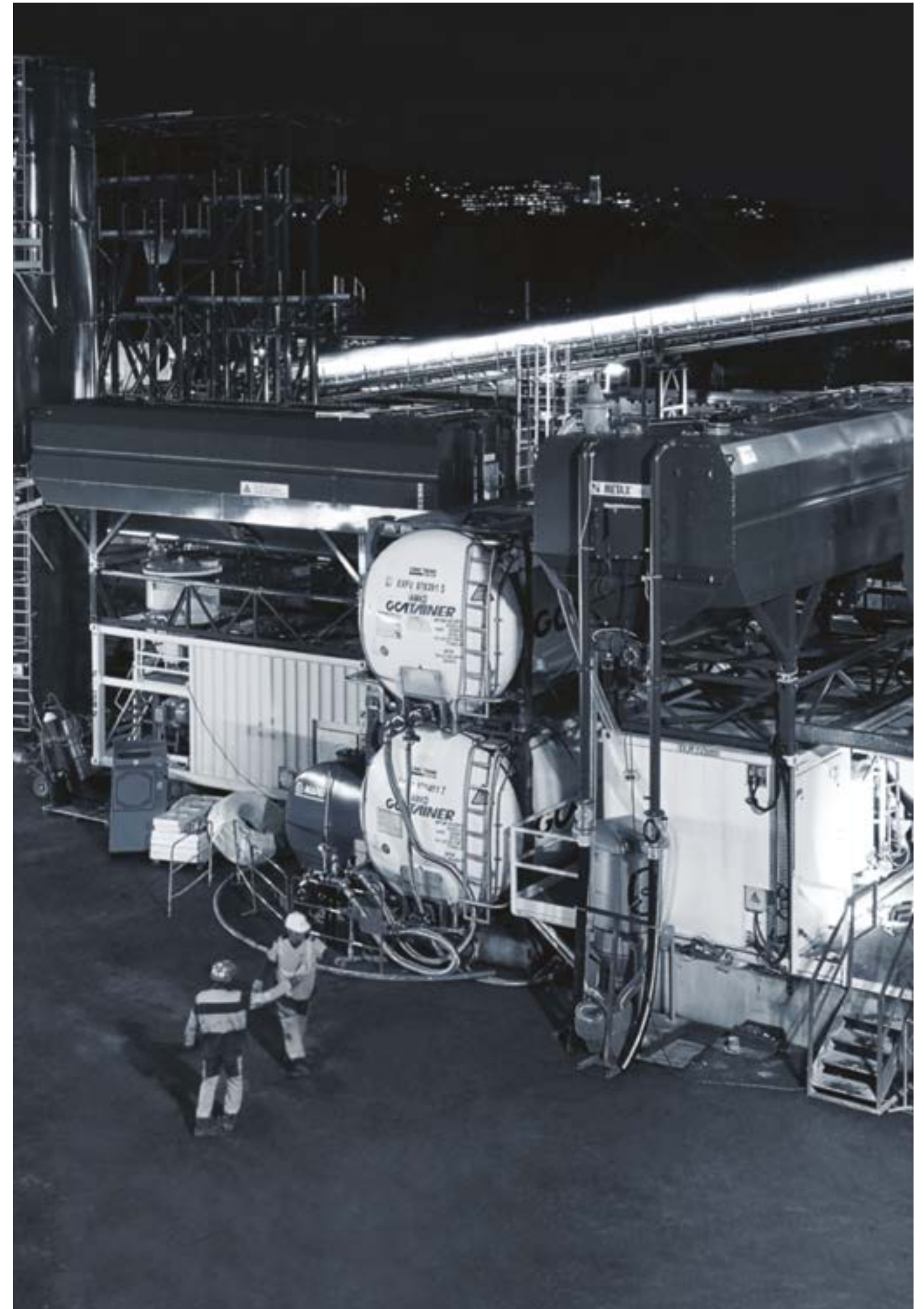
**4.**  
Start up and  
Training



**5.**  
Remote and Job-Site  
Technical Support



**6.**  
After Sales Training  
In House and On The Job





# Quality

We have a strong commitment to quality, deeply aware that our production must be robust, durable, reliable.

According to our values we pay great attention to the quality of our production. The main components of our motorpumps like power-end, fluid-end, crankshaft are produced and welded by Metal Works and Special Fittings Division that is certified according to UNI EN ISO 3834-2, a European welding certification.

All components of our equipment are carefully controlled before being assembled, in order to comply with the project specifications. After assembling, our products are subject to strict quality control test to verify the functionality of every component. Proper transport to the customer facilities is also one of the primary targets: machines and equipment housed in containers are provided with a temporary or permanent CSC Certificate, allowing sea shipping when required.







## METAX Products Range

Our products range covers the main phases of the following applications:

soil consolidation

jet grouting, grouting, soil mixing

tunneling/backfilling

oil field

deep drilling, water injection, workover

drilling

directional drilling

The range of METAX motorpumps and plants covers many applications in the geotechnical, geothermal, oil & gas and special construction sectors. The applications involve the use of different techniques that our machines are able to satisfy, mainly jet grouting which is our core business.

In every application there are precise phases in which each METAX equipment performs a specific function.

METAX products range covers all phases of the supply chain:

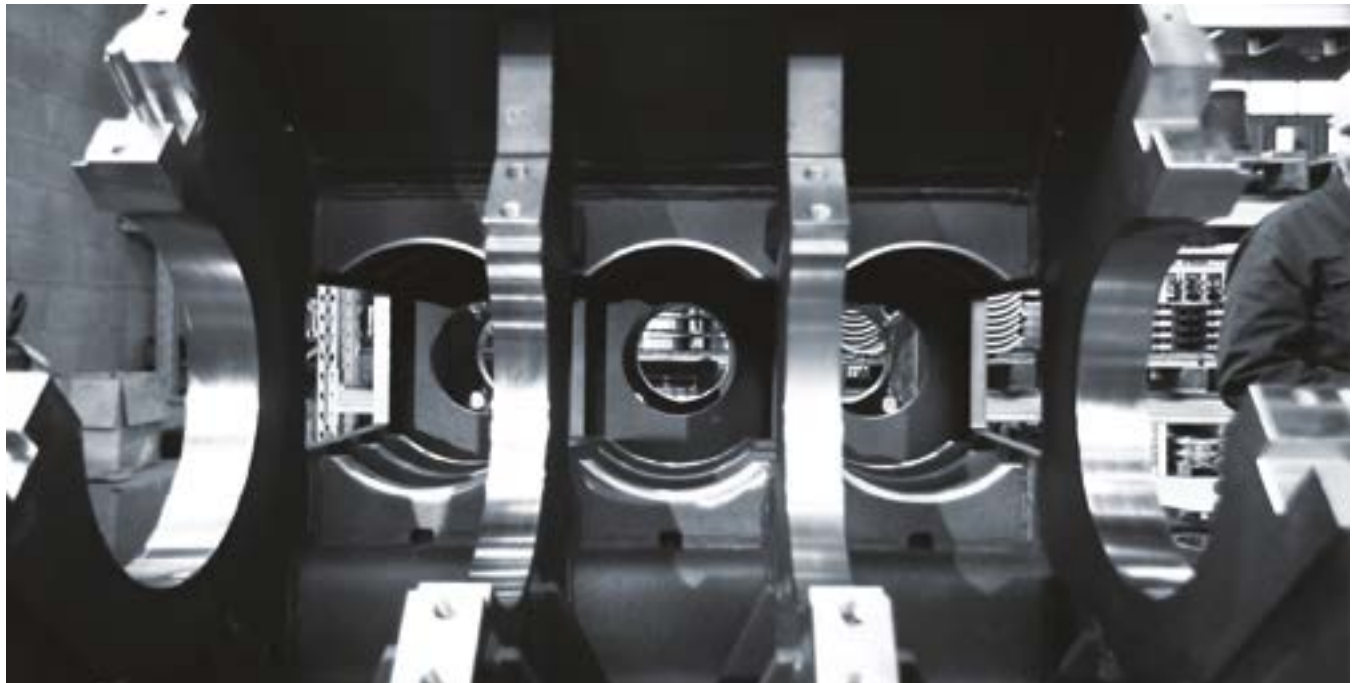
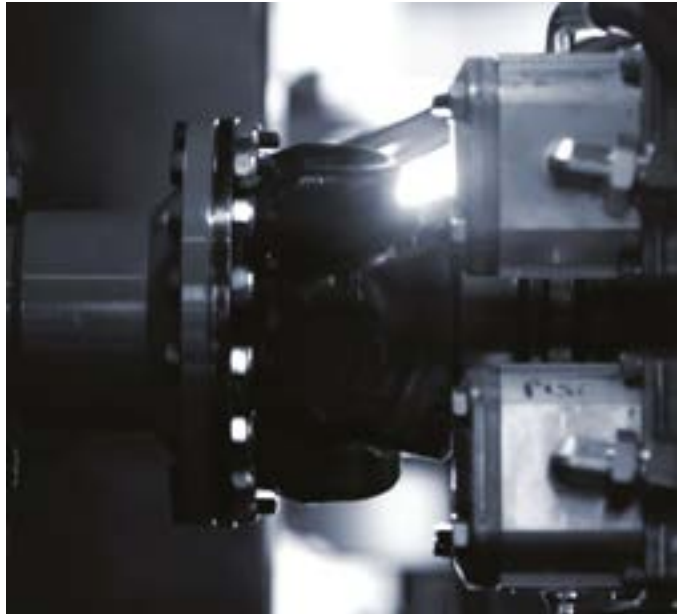
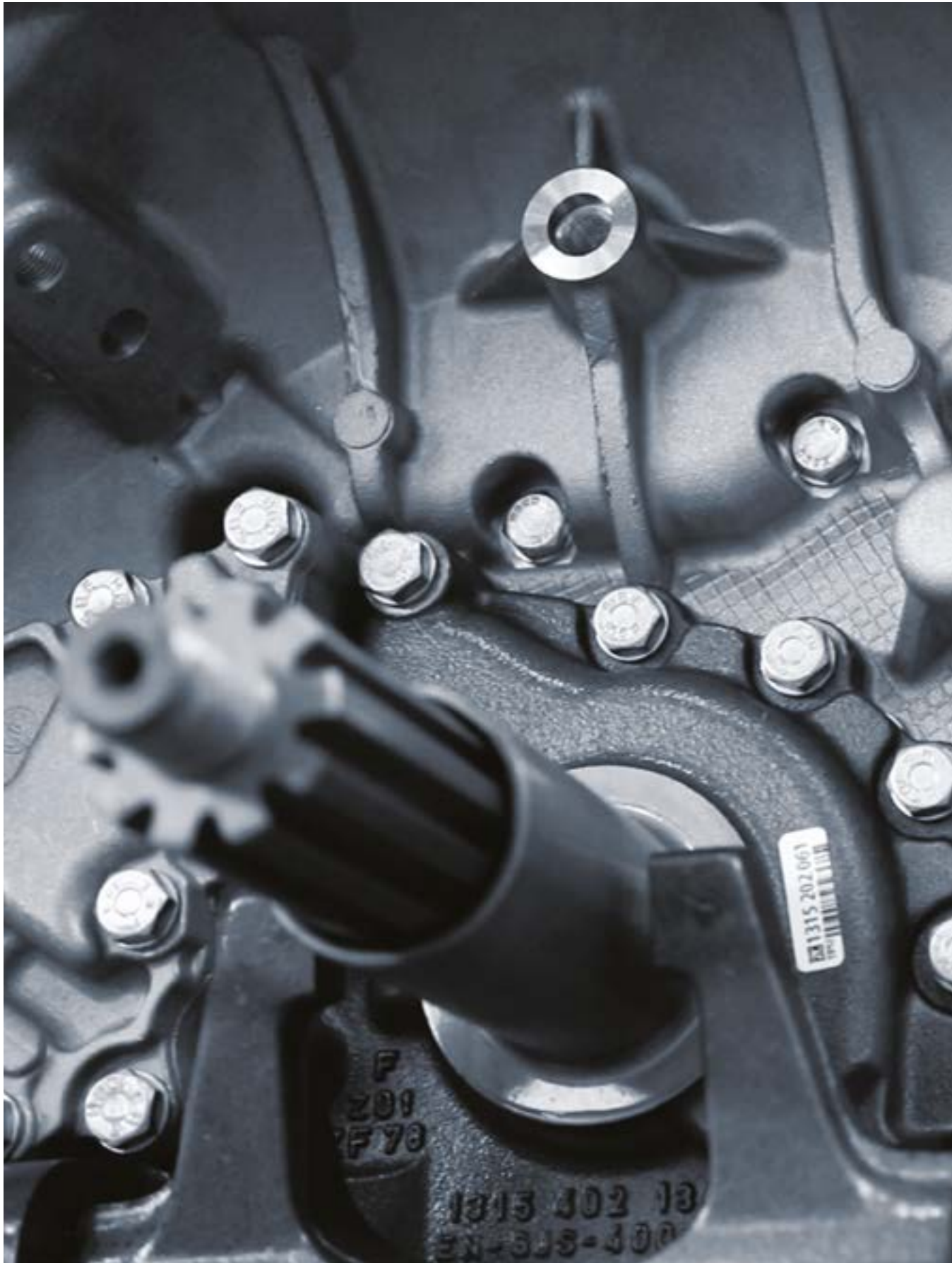
- Storage
- Mixing
- Injection
- Mixing & Injection
- Pumping



APPLICATIONS	SOIL CONSOLIDATION										TUNNELING / BACKFILLING					OIL FIELD					DRILLING					DIRECTIONAL DRILLING				
TECHNIQUES	Jet Grouting					Grouting					Soil Mixing					Water Injection / Deep Drilling / Workover														
PHASES	Storage	Mixing	Injection	Mixing & Injection	Pumping	Storage	Mixing	Injection	Mixing & Injection	Pumping	Storage	Mixing	Injection	Mixing & Injection	Pumping	Storage	Mixing	Injection	Mixing & Injection	Pumping	Storage	Mixing	Injection	Mixing & Injection	Pumping	Storage	Mixing	Injection	Mixing & Injection	Pumping
Silo/Hopper																														
Mixing Plant																														
Injection Pump																														
Mixing & Injection Plant																														
High Pressure Triplex Pump																														
Mud Triplex Pump																														
Jet Mixing & Injection Plant																														











Jet Grouting	20-21
Tunneling & Backfilling	22-27
Oil Field	28-29
Drilling and Directional Drilling	30-33
Grouting	34-37
Mixing	38-39
Storage	40-41

# High Pressure Triplex Motorpumps

METAX designs and produces its own production range of high pressure triplex motorpumps. Thanks to the high technical capacity of Metal Works and Special Fittings Division of CIMA S.p.A., all main components of the high pressure triplex pumps, such as power-end, fluid-end, crankshaft are manufactured internally, thus guaranteeing maximum quality control. As per their construction/application features, the triplex pumps are powered with Diesel/Electric engines between 250 and 1.000 hp.



		MP4	MP5	MP7	MP7 - 1000
Max pressure	Bar (MPa)	700 (70)	800 (80)	800 (80)	840 (84)
	PSI	10100	11600	11600	12180
Max delivery	l/min	330	410 ÷ 480	830	1220
	gpm	86	127	220	320
Max installed power	kW	235 ÷ 280	375 ÷ 405	452 ÷ 588	708
	hp	320 ÷ 380	510 ÷ 550	615 ÷ 800	950
Suction Ø	in	3"	3"½ - 4"	4"	4" - 6"
Delivery Ø	in	1"¼	1"¼ - 1"½	2"	2"
Weight	kg	9000 ÷ 9300	13000 ÷ 14000	14000 ÷ 16000	26000
	lb	19850 ÷ 20500	28600 ÷ 30900	30900 ÷ 35300	57300
Overall dimensions	m	2,25x5,15x2,15	2,45x6,06x2,59	2,45x6,06x2,59	2,54 x 7,64 x 2,9
	ft   in	7'38" x 16'9" x 7'	8'x20'x8'6"	8'x20'x8'6"	8'1" x 25' x 9'6"

# Jet Mixing & Injection Plants

For downtown job-sites or for restricted areas where the available space becomes the critical element for the job-site set-up, METAX has designed and manufactured a compact jet grouting plant where inside a single container (22' or 31' long) are located a high pressure triplex pump as well as a mixing plant (mix capacity 12 & 24 m³/h). For job-sites where is employed the triple fluid (JET3) technique, METAX produces compact jet mixing & injection plants where the mixing unit is also equipped with grout pumps (double effect piston or screw pumps). These plants can be driven by electric or diesel motors with installed emission control devices following the environmental rules of the Client's country.



		J-MIP12	J-MIP24
Powering		Electric & Diesel	Electric & Diesel
Pump type		P4	P5
Pump max pressure	Bar (MPa)	700 (70)	800 (80)
	PSI	10150	11600
Pump max delivery	l/min	430	550
	gpm	114	145
Max electric motor power	kW	45	60
	hp	61	81
Max diesel engine power	kW	180-250	405
	hp	240-340	543
Mixing load capacity	l	350	2000
	gal	92	528
Holding tank load capacity	l	2000	2700
	gal	530	713
Weight	kg	12500	20000
	lb	27600	44100
Overall dimensions	m	6,68x2,45x2,59	9,51x2,44x2,59
	ft   in	22'x8'x8'6"	31'2"x8'x8'6"



# High Pressure Triplex Motorpumps

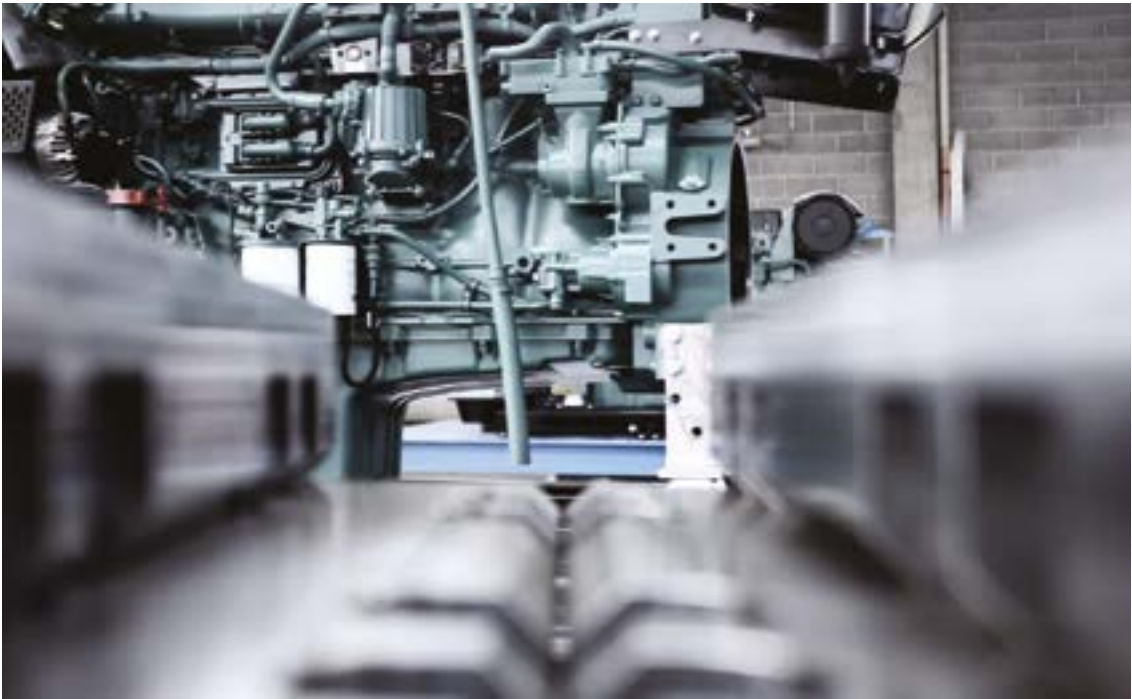
In the field of civil engineering aimed at the construction of tunnels, it is often necessary to carry out high / low pressure injections in order to allow the excavation of the same and / or to complete them in the phases following the mechanized excavation one.  
For these purposes different techniques are employed that foresee the usage of diverse equipment:

Soil consolidation through the realization of horizontal/sub-horizontal columns (jet grouting)

Soil consolidation through the performance of low-pressure injections (compaction and / or compensation grouting)

Low pressure injection of “bi-component” admixtures in order to fill the “empty volume” between the natural soil and the reinforced concrete lining of the tunnels themselves

For this specific field, METAX is always on the side of its Clients with the purpose to study, design and built customized solutions.



		MP4	MP5	MP7	MP7 - 1000
Max pressure	Bar (MPa)	700 (70)	800 (80)	800 (80)	840 (84)
	PSI	10100	11600	11600	12180
Max delivery	l/min	330	410 ÷ 480	830	1220
	gpm	86	127	220	320
Max installed power	kW	235 ÷ 280	375 ÷ 405	452 ÷ 588	708
	hp	320 ÷ 380	510 ÷ 550	615 ÷ 800	950
Suction Ø	in	3"	3"½ - 4"	4"	4" - 6"
Delivery Ø	in	1"¼	1"¼ - 1"½	2"	2"
Weight	kg	9000 ÷ 9300	13000 ÷ 14000	14000 ÷ 16000	26000
	lb	19850 ÷ 20500	28600 ÷ 30900	30900 ÷ 35300	57300
Overall dimensions	m	2,25x5,15x2,15	2,45x6,06x2,59	2,45x6,06x2,59	2,54 x 7,64 x 2,9
	ft   in	7'38" x 16'9" x 7'	8'x20'x8'6"	8'x20'x8'6"	8'1" x 25' x 9'6"

Jet Mixing & Injection Plants



		J-MIP12	J-MIP24
Powering		Electric & Diesel	Electric & Diesel
Pump type		P4	P5
Pump max pressure	Bar (MPa)	700 (70)	800 (80)
	PSI	10150	11600
Pump max delivery	l/min	430	550
	gpm	114	145
Max electric motor power	kW	45	60
	hp	61	81
Max diesel engine power	kW	180-250	405
	hp	240-340	543
Mixing load capacity	l	350	2000
	gal	92	528
Holding tank load capacity	l	2000	2700
	gal	530	713
Weight	kg	12500	20000
	lb	27600	44100
Overall dimensions	m	6,68x2,45x2,59	9,51x2,44x2,59
	ft   in	22'x8'x8'6"	31'2"x8'x8'6"





# Injection Pumps

Thanks to its long term know-how, METAX can propose to the geotechnical market a wide range of grout pumps featured by the presence of vertical and horizontal pumping units with installed power (electrically or diesel driven) between 3 and 75 kW. Their employment is concentrated on the following main application fields:

- Compaction and compensation grouting
- Micropiles and strand/rebar anchors filling
- Chemical and grout injection in tunneling
- Grout and additive transferring in backfilling technique for tunneling
- Mud feeding in drilling jobs

Customized solutions are proposed following customers' needs.



		IP90V		IP120V		IP90H					IP115H			IP140H			IP190H					
Max pressure	Bar (MPa)	100 (10)	120 (12)	85 (8,5)	100 (10)	80 (8)	70 (7)	50 (5)	200 (20)	150 (15)	125 (12,5)	100 (10)	75 (7,5)	100 (10)	90 (9)	40 (4)	60 (6)	50 (5)	30 (3)	140 (14)	165 (16,5)	190 (19)
	PSI	1450	1740	1200	1450	1150	1000	700	2900	2200	1810	1450	1090	1450	1305	580	870	725	435	2030	2400	2750
Max delivery	lpm	38	38	63	80	123	150	201	100	125	123	154	205	280	380	435	400	565	750	60	40	30
	gpm	10	10	17	21	31,7	39,6	55,5	26	40	32,4	40,7	54,2	74	100,3	115	105,7	149,3	198	16	11	8
Max electric power	kW	5,5	7,5	7,5	10	22			45		30			45	55	75	45			75		
	hp	7,5	10	10	13	30			61		41			61			61			101		
Stroke	mm	200	200	200	200	330			330		330			330			330			330		
	in	7,9	7,9	7,9	7,9	13			13		13			13			13			13		
Piston diameter	mm	88,9	88,9	120	120	88,9	100	114,3	88,9	100	88,9	100	115	115	127	140	139,7	165,1	190,5	139,7	165,1	190,5
	in	3,5	3,5	4,7	4,7	3,5	3,9	4,5	3,5	3,9	3,5	3,9	4,5	4,5	5	5,5	5,5	6,5	7,5	5,5	6,5	7,5
Weight	kg	350	350	390	390	1100			1350		1700			1600			2600			2600		
	lb	770	770	860	860	2430			2980		3750			3530			5730			5730		
Overall dimensions	m	0,79x0,6x1,77	0,79x0,6x1,77	0,79x0,6x1,77	0,79x0,6x1,77	0,8x2,2x1,3			0,8x2,2x1,3		0,9x2,75x2,1			1,2X2,2X2,25			1,08x2,98x2,1			1,08x2,98x2,1		
	ft   in	2'7"x2'x5'10"	2'7"x2'x5'10"	2'7"x2'x5'10"	2'7"x2'x5'10"	2'7"x7'3"x4'3"			2'7"x7'3"x4'3"		2'9"x9'x6'9"			3'11"x7'3"x7'5"			3'5"x9'8"x6'9"			3'5"x9'8"x6'9"		

# High Pressure and Mud Triplex Motorpumps

For the Oil Industry, METAX is active in the construction of high pressure triplex pumps, mainly employed in the following working applications:

- Deep Drilling
- Water Inject
- Cementation
- Workover
- Pipeline Testing



		HIGH PRESSURE TRIPLEX MOTORPUMPS	MUD TRIPLEX MOTORPUMPS		
		MP7-1000	MP7M-1000M	MP7M	MP5M
Max pressure	Bar (MPa)	840 (84)	400 (40)	400 (40)	400 (40)
	PSI	12180	5800	5800	5800
Max delivery	l/min	1220	2900	2320	1250
	gpm	320	766	612	330
Max installed power	kW	708	708	588	405
	hp	950	950	800	550
Suction Ø	in	4" - 6"	6"	4" - 6"	4"
Delivery Ø	in	2"	3"	3" - 4"	2" - 3"
Weight	kg	26000	26000	14000 - 16000	13700
	lb	57300	57300	30900 - 35300	30200
Overall dimension	m	2,54x7,64x2,9	2,54x7,64x2,9	2,45x6,06x2,59	2,45x6,06x2,59
	ft   in	8'1" x 25' x 9'6"	8'1" x 25' x 9'6"	8' x 19'9" x 8'6"	8' x 19'9" x 8'6"





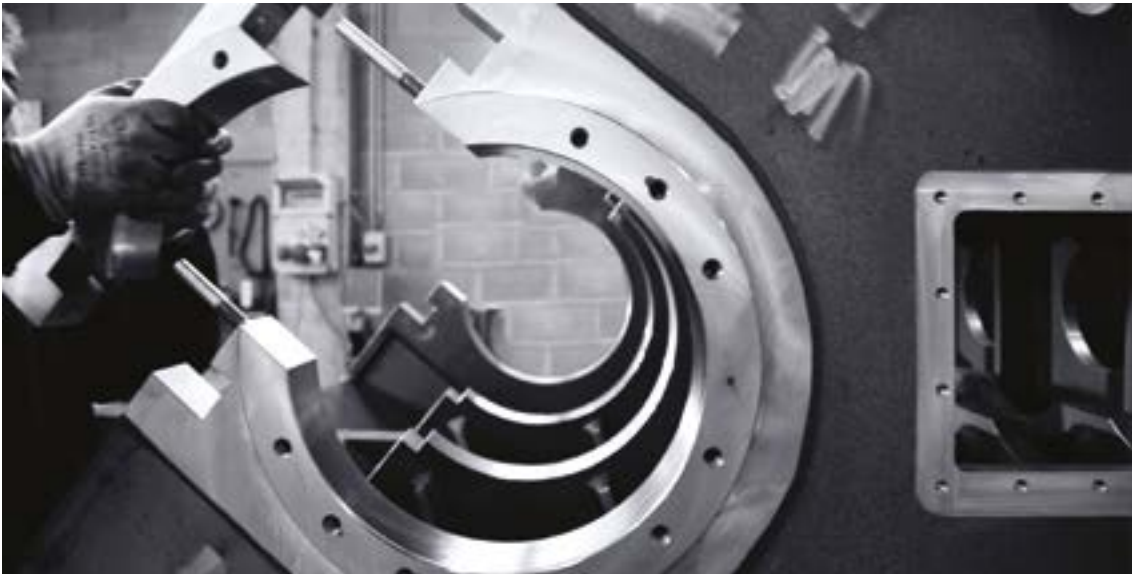
# High Pressure and Mud Triplex Motorpumps

For Drilling, Water Wells Drilling and Directional Drilling, METAX provides different sizes of high pressure triplex pumps, specifically configured following the final Client's technical needs.

For these applications the triplex pumps can be completed with: rubber pistons, high-flow booster pump, pulsation damper, relief valve and remote control panel (on request).

In relation to the job-site area each triplex pump can be supplied in the following configurations:

- Inside a container
- Inside a container with "winterized" optional
- On skid with or without soundproofed cabin on the engine zone



		HIGH PRESSURE TRIPLEX MOTORPUMPS	MUD TRIPLEX MOTORPUMPS		
		MP7-1000	MP7M-1000M	MP7M	MP5M
Max pressure	Bar (MPa)	840 (84)	400 (40)	400 (40)	400 (40)
	PSI	12180	5800	5800	5800
Max delivery	l/min	1220	2900	2320	1250
	gpm	320	766	612	330
Max installed power	kW	708	708	588	405
	hp	950	950	800	550
Suction Ø	in	4" - 6"	6"	4" - 6"	4"
Delivery Ø	in	2"	3"	3" - 4"	2" - 3"
Weight	kg	26000	26000	14000 - 16000	13700
	lb	57300	57300	30900 - 35300	30200
Overall dimension	m	2,54x7,64x2,9	2,54x7,64x2,9	2,45x6,06x2,59	2,45x6,06x2,59
	ft   in	8'1" x 25' x 9'6"	8'1" x 25' x 9'6"	8' x 19'9" x 8'6"	8' x 19'9" x 8'6"

Injection Pumps



		IP90V		IP120V		IP90H					IP115H			IP140H			IP190H					
Max pressure	Bar (MPa)	100 (10)	120 (12)	85 (8,5)	100 (10)	80 (8)	70 (7)	50 (5)	200 (20)	150 (15)	125 (12,5)	100 (10)	75 (7,5)	100 (10)	90 (9)	40 (4)	60 (6)	50 (5)	30 (3)	140 (14)	165 (16,5)	190 (19)
	PSI	1450	1740	1200	1450	1150	1000	700	2900	2200	1810	1450	1090	1450	1305	580	870	725	435	2030	2400	2750
Max delivery	lpm	38	38	63	80	123	150	201	100	125	123	154	205	280	380	435	400	565	750	60	40	30
	gpm	10	10	17	21	31,7	39,6	55,5	26	40	32,4	40,7	54,2	74	100,3	115	105,7	149,3	198	16	11	8
Max electric power	kW	5,5	7,5	7,5	10	22			45		30			45	55	75	45			75		
	hp	7,5	10	10	13	30			61		41			61			61			101		
Stroke	mm	200	200	200	200	330			330		330			330			330			330		
	in	7,9	7,9	7,9	7,9	13			13		13			13			13			13		
Piston diameter	mm	88,9	88,9	120	120	88,9	100	114,3	88,9	100	88,9	100	115	115	127	140	139,7	165,1	190,5	139,7	165,1	190,5
	in	3,5	3,5	4,7	4,7	3,5	3,9	4,5	3,5	3,9	3,5	3,9	4,5	4,5	5	5,5	5,5	6,5	7,5	5,5	6,5	7,5
Weight	kg	350	350	390	390	1100			1350		1700			1600			2600			2600		
	lb	770	770	860	860	2430			2980		3750			3530			5730			5730		
Overall dimensions	m	0,79x0,6x1,77	0,79x0,6x1,77	0,79x0,6x1,77	0,79x0,6x1,77	0,8x2,2x1,3			0,8x2,2x1,3		0,9x2,75x2,1			1,2X2,2X2,25			1,08x2,98x2,1			1,08x2,98x2,1		
	ft   in	2'7"x2'x5'10"	2'7"x2'x5'10"	2'7"x2'x5'10"	2'7"x2'x5'10"	2'7"x7'3"x4'3"			2'7"x7'3"x4'3"		2'9"x9'x6'9"			3'11"x7'3"x7'5"			3'5"x9'8"x6'9"			3'5"x9'8"x6'9"		

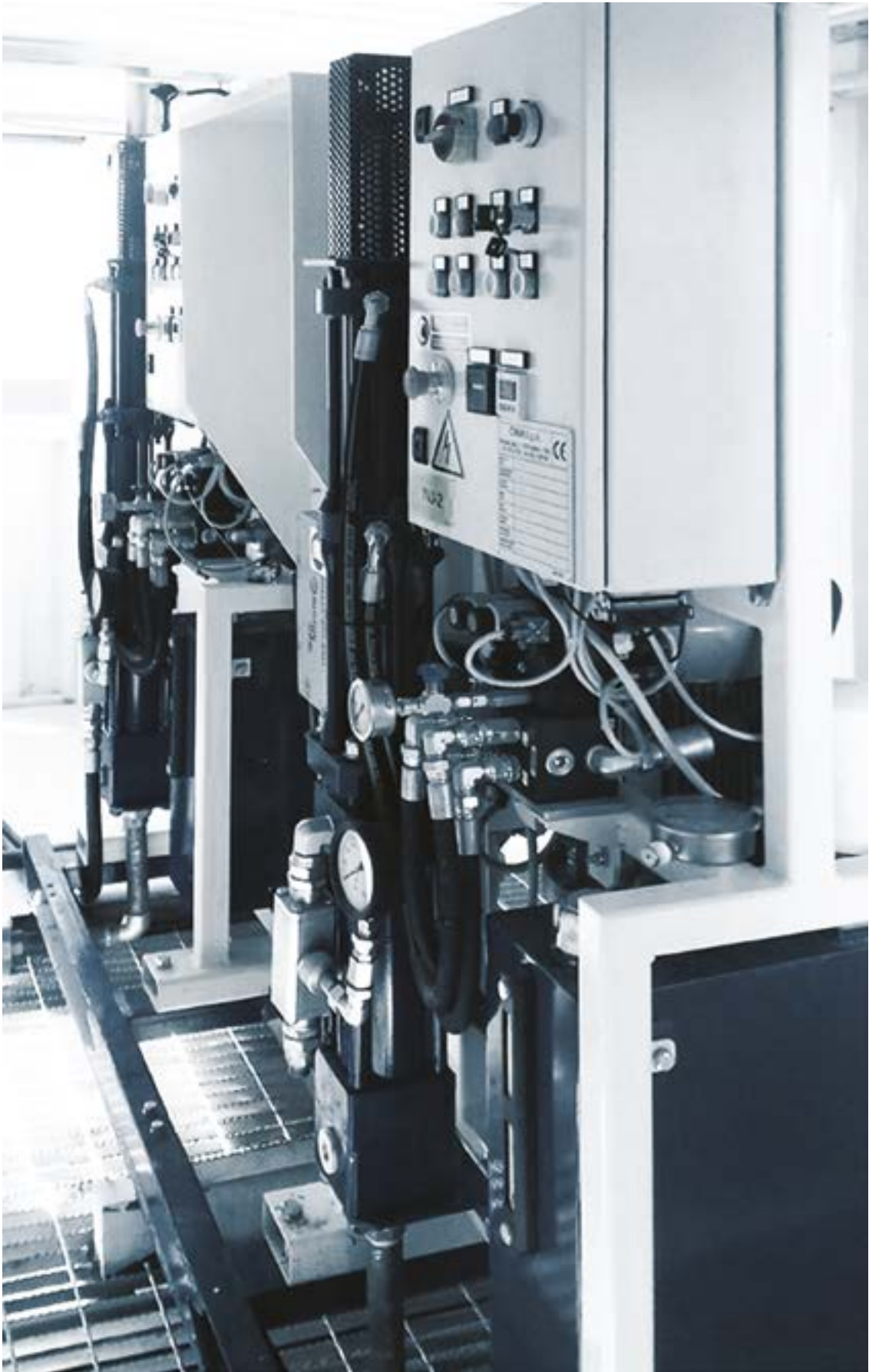


# Mixing and Injection Plants

In the field of the low pressure injections, METAX provides different solutions following the specific Client's needs. In particular METAX designs and produces mixing & injection plants (mix capacity 5 - 8 m³/h) and injection plants with one or more grout pumps, in order to perform single or contemporaneous multiple injections. For multiple injection managing/recording, METAX can install specific electronic devices of different Brands following the Client's technical feeling/choice.



		MIP5D		MIP5E		MIP8D	MIP8E
		MIP5D-GP	MIP5D-SP	MIP5E-GP	MIP5E-SP		
Powering		Diesel	Diesel	Electric	Electric	Diesel	Electric
Pump max pressure	Bar (MPa)	100 (10)	11 (1,1)	100 (10)	7 (0,7)	80 (8)	80 (8)
	PSI	1450	160	1450	100	1160	1160
Pump max delivery	l/min	200	200	200	150	212	212
	gpm	53	53	53	40	56	56
Max installed power	kW	45	36	25	14,1	40 ÷ 61	40 ÷ 61
	hp	61	49	34	19	53 ÷ 83	53 ÷ 83
Mixer volumetric capacity	l	350	350	350	350	350	350
	gal	92	92	92	92	92	92
Holding tank load capacity	l	500 ÷ 1000	500	500	500	2000	2000
	gal	132	132	132	132	528	528
Production capacity	m³/h	5	5	5	5	8	8
	gph	1320	1320	1320	1320	2110	2110
Weight	kg	2550	2770	1900	1100	4500	4500
	lb	5600	6100	4200	2400	9900	9900
Overall dimensions	m	2x2,7x2,2	1,9x2,45x2,2	2,45x1,4x2	1,45x2,1x1,8	2,45x3x2,6	2,45x3x2,6
	ft   in	6'7"x8'10"x7'3"	6'3"x8'x7'3"	8'x4'7"x6'7"	4'9"x6'11"x5'11"	8'x9'10"x8'6"	8'x9'10"x8'6"



Injection Pumps



		IP90V		IP120V		IP90H					IP115H			IP140H			IP190H					
Max pressure	Bar (MPa)	100 (10)	120 (12)	85 (8,5)	100 (10)	80 (8)	70 (7)	50 (5)	200 (20)	150 (15)	125 (12,5)	100 (10)	75 (7,5)	100 (10)	90 (9)	40 (4)	60 (6)	50 (5)	30 (3)	140 (14)	165 (16,5)	190 (19)
	PSI	1450	1740	1200	1450	1150	1000	700	2900	2200	1810	1450	1090	1450	1305	580	870	725	435	2030	2400	2750
Max delivery	lpm	38	38	63	80	123	150	201	100	125	123	154	205	280	380	435	400	565	750	60	40	30
	gpm	10	10	17	21	31,7	39,6	55,5	26	40	32,4	40,7	54,2	74	100,3	115	105,7	149,3	198	16	11	8
Max electric power	kW	5,5	7,5	7,5	10	22			45		30			45	55	75	45			75		
	hp	7,5	10	10	13	30			61		41			61			61			101		
Stroke	mm	200	200	200	200	330			330		330			330			330			330		
	in	7,9	7,9	7,9	7,9	13			13		13			13			13			13		
Piston diameter	mm	88,9	88,9	120	120	88,9	100	114,3	88,9	100	88,9	100	115	115	127	140	139,7	165,1	190,5	139,7	165,1	190,5
	in	3,5	3,5	4,7	4,7	3,5	3,9	4,5	3,5	3,9	3,5	3,9	4,5	4,5	5	5,5	5,5	6,5	7,5	5,5	6,5	7,5
Weight	kg	350	350	390	390	1100			1350		1700			1600			2600			2600		
	lb	770	770	860	860	2430			2980		3750			3530			5730			5730		
Overall dimensions	m	0,79x0,6x1,77	0,79x0,6x1,77	0,79x0,6x1,77	0,79x0,6x1,77	0,8x2,2x1,3			0,8x2,2x1,3		0,9x2,75x2,1			1,2X2,2X2,25			1,08x2,98x2,1			1,08x2,98x2,1		
	ft   in	2'7"x2'x5'10"	2'7"x2'x5'10"	2'7"x2'x5'10"	2'7"x2'x5'10"	2'7"x7'3"x4'3"			2'7"x7'3"x4'3"		2'9"x9'x6'9"			3'11"x7'3"x7'5"			3'5"x9'8"x6'9"			3'5"x9'8"x6'9"		



# Mixing Plants

In relation to the specific Clients' needs, METAX offers a wide range of mixing plants with a production capacity ranging from 5 to 50 m³/h. All the mixing plants can be operated manually, automatically or both of them, in function of the Client's job-sites. Special customized solutions can be provided on request allowing to reach max productions up to 100 m³/h. All METAX's mixing plants can be provided on skid or in container (CSC certificate available on request).

Mixing plants are designed to cover the need to produce admixtures, with up to 8 components, for the following applications:

- Grout admixture for Jet grouting
- Grout admixture for low pressure injections
- Grout admixture for Backfilling
- Bentonite slurries for Deep drilling, Directional drilling, Diaphragm walls, Jet grouting plastic thin walls



		MIXP5	MIXP10	MIXP18	MIXP24	MIXP30	MIXP33	MIXP40
Working		Manual	Manual	Manual	Manual	Manual	Manual	Manual
			Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Max hourly capacity	m³/h	5	10	18	24	30	33	40
	gph	1320	2640	4750	6350	7900	8700	10550
Max installed power	kW	9-15	16-27	22,5-28,5	28-65	33-61	38-60	48-78
	hp	12-20	22-37	31-39	38-88	45-83	52-82	65-106
Mixer volumetric capacity	l	350	350/550	550	2000	1450	2000	2000
	gal	92	92/145	145	530	380	530	530
Holding tank volumetric capacity	l	500/1000	1000/2000	3000	2500	3200	4200	4200
	gal	132/264	264/528	790	660	840	1110	1110
Booster pump	-	-	Standard	Standard	Standard	Standard	Standard	Standard
Water tank max capacity	l	-	1000 (optional)	1000	2000	2000	2000	2000
	gal	-	264 (optional)	264	530	530	530	530
Weight (On Skid)	kg	800	850	3000	-	-	-	-
	lb	1750	1900	6600	-	-	-	-
Overall dimensions (On Skid)	m	1,3x2,5x2,1	1,2x2,4x2,1	4,4x2,2x2,28	-	-	-	-
	ft   in	4'3"x8'2"x6'11"	3'11"x7'11"x6'11"	14'5"x7'3"x7'6"	-	-	-	-
Weight (Containerized)	kg	-	5000	5500	7000	6500	7000	7500
	lb	-	11000	12100	15400	13200	15400	16500
Overall dimensions (Containerized)	m	-	4,50x2,44x2,59	4,50x2,44x2,59	6,05x2,44x2,59	6,05x2,44x2,59	6,05x2,44x2,59	6,05x2,44x2,59
	ft   in	-	15'x8'x8'6"	15'x8'x8'6"	20'x8'x8'6"	20'x8'x8'6"	20'x8'x8'6"	20'x8'x8'6"

Powder Horizontal Silos

In order to complete its technical proposal to the final Customer, especially called to work in restricted areas, METAX is able to provide horizontal silos for cement/bentonite powder storage. These silos are characterized by the presence of corner blocks for their over imposing on the containerized units such as mixing plants, mixing & injection plants and triplex pumps.

For common job-sites, where the available space isn't the critical element, METAX can provide a wide range of monolithic, telescopic or paneled vertical silos, complete of all the needed accessories, including screw conveyors sized in function of the production requirement.



		PHS25	PHS26	PHS28	PHS38	PHS44	PHS48
Nominal volume	m³	25	26	28	38	44	48
	ft³	883	919	989	1342	1554	1695
Max conveyor capacity	m³/h	25	25	40	40	40	40
Length	m	6,06	6,94	6,06	10,32	9,68	9,68
	ft   in	20'	20'33"	20'	34'	31'9"	31'9"
Width	m	2,44	2,44	2,44	2,44	2,5	2,5
	ft   in	8'	8'	8'	8'	8'2"	8'2"
Height	m	2,59	2,7	2,9	2,75	3	3
	ft   in	8'6"	8'10"	9'6"	9'	9'10"	9'10"
Empty weight	kg	4300	3500	4600	4650	5400	6000
	lb	9500	7716	10000	10250	12000	13000

Conical Hoppers



To the Customers that need to work with small powder storage tanks, METAX proposes its three models of powder storage hoppers with a capacity between 1,5 and 5,0 m³/each.

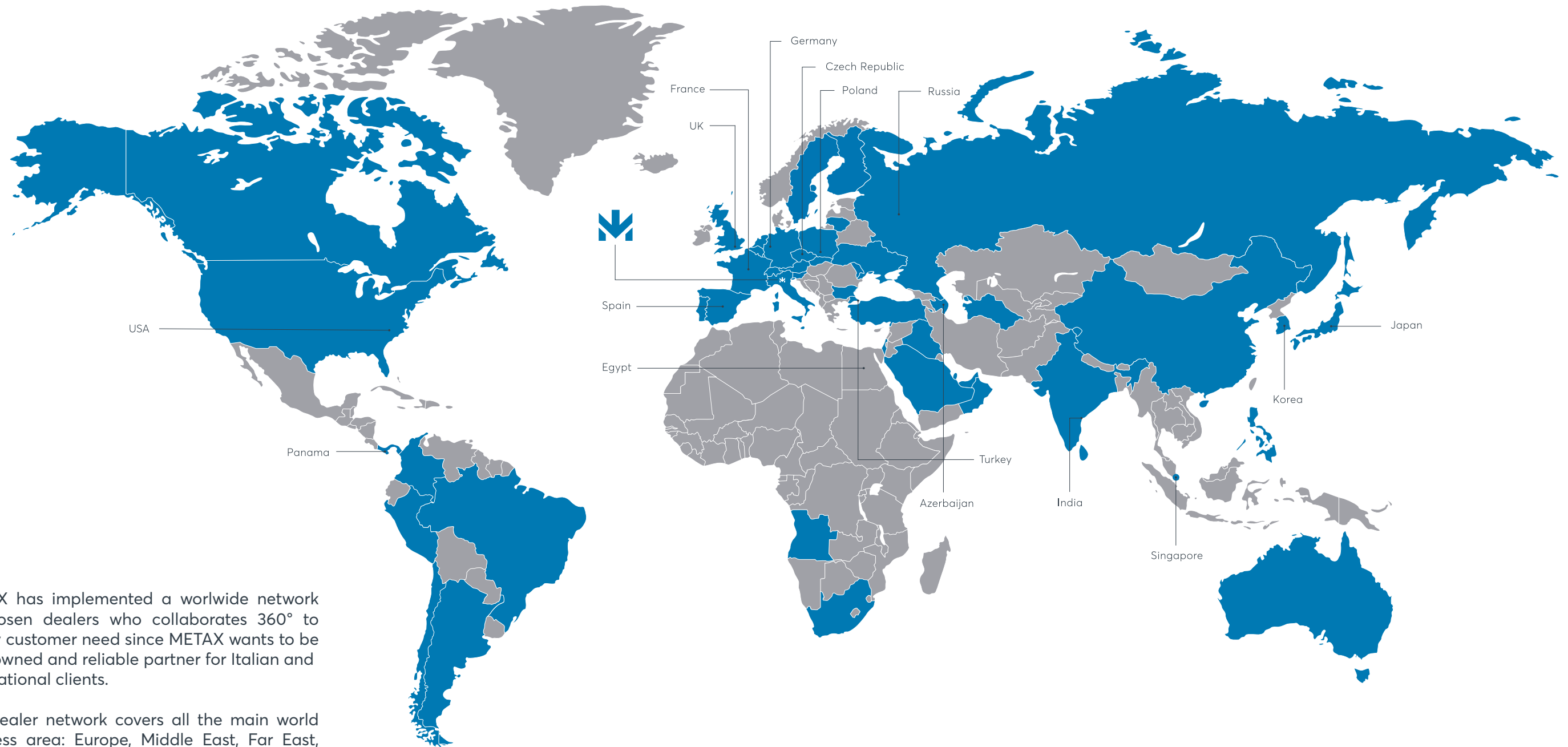
These hoppers will be complete of all the required accessories in order to supply the equipment on site ready to work.

		CH1,5	CH3	CH4	CH5
Nominal volume	m³	1,5	3	3,5	5,3
	ft³	53	106	124	124
Max conveyor capacity	m³/h	25	25	25	25
Length	m	2,23	2,23	2,23	2,23
	ft   in	7'4"	7'4"	7'4"	7'4"
Width	m	2,23	2,23	2,23	2,23
	ft   in	7'4"	7'4"	7'4"	7'4"
Height	m	2,7	3,2	3,75	3,6
	ft   in	8'10"	10'7"	12'4"	11'10"
Empty weight	kg	650	800	1100	1350
	lb	1430	1760	2425	2980



## METAX in the World

An international orientation, with direct coverage worldwide to enable companies choosing METAX as a partner to be competitive and global, coupled with the provision of the highest customer care standard through cutting-edge customer care tools and high skilled technical support.



METAX has implemented a worldwide network of chosen dealers who collaborates 360° to satisfy customer need since METAX wants to be a renowned and reliable partner for Italian and International clients.

Our dealer network covers all the main world business area: Europe, Middle East, Far East, USA and Canada, Central America, Russia, India, North Africa.

Blue area shows the countries where METAX is present with its equipment.  
Arrows indicates our dealer offices.



Geotechnical, Drilling & Oilfield Division of





**METAX** Geotechnical, Drilling & Oilfield Division of CIMA S.p.A.

Strada dell'Orsina, 33 - 29122 Piacenza (PC) - IT

T +39 0523 0103 | @ info@metax.it

[WWW.METAX.IT](http://WWW.METAX.IT)

**CIMA S.p.A.**

Piazzale Libia, 2 - 20135 Milano (MI) - IT

[WWW.GRUPPOCIMA.IT](http://WWW.GRUPPOCIMA.IT)