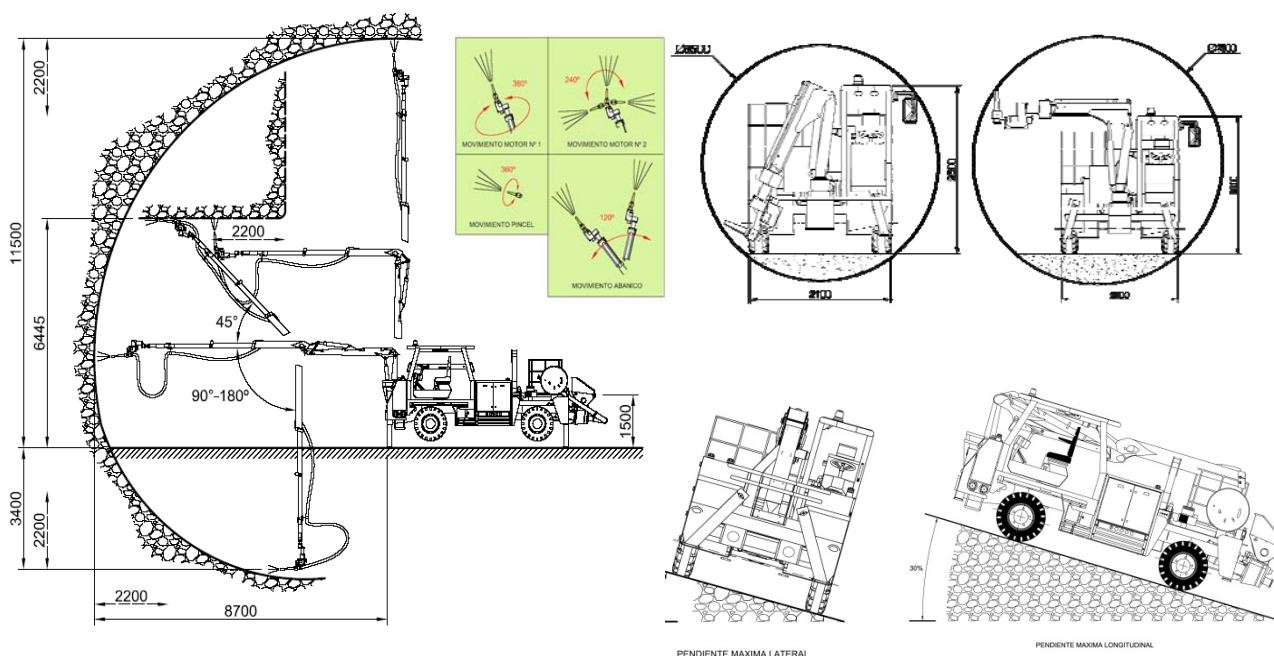




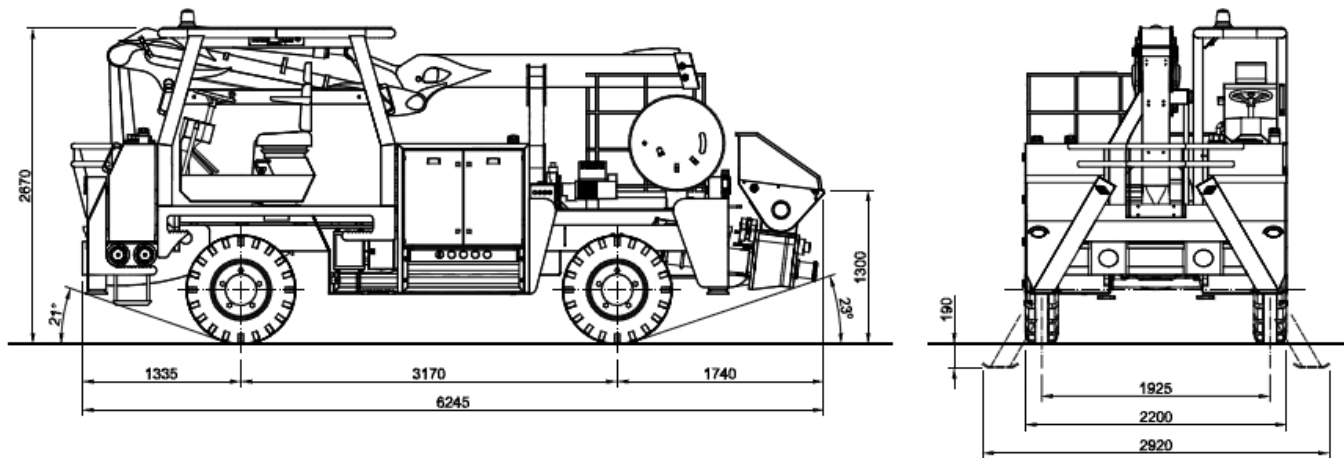
We present you our middle-range shotcrete robots:



SMALL ROBOT WITH BIG FEATURES

With its small dimensions and the optimal use of its features, **SC 25.10**, can work at different types of sites and tunnels. The short steering radii, added to the chance of overcoming slopes up to 30%, give the versatility which supports our equipment at work. With the high-efficient engine that we mount in the robot, our units are working in full performance everywhere in the world, even **over 4,500 MASL**





Equipped with the most advanced safety standards, our robots accomplish all international regulations for working where operator's safety is the most appreciated value.

LONGING TO INCREASE YOUR PRODUCTIVITY

Additives' tanks up to **1.000lts** capacity, high quality electrical systems....Our equipment responds to the need of increasing productivity saving time.

Compressor on board, as an optional in **SC 25.10D + C**, gives it a larger working autonomy.



EASY TO TRANSPORT

In this global world, forwarding equipment in a fast and safe way has become a need and an obligatory feature. The use of trailers, containers or Ro-Ro service helps to deliver the equipment anywhere in the world.

SHOTCRETE ROBOT		SC 25.10 D	SC 25.10 D + C
ENGINES			
DIESEL	BRAND	PERKINS	
	MODEL	1104D- 44T	
	POWER	SHIFTING 100 CV AT 2,200 r.p.m.	
	COOLING	WORKING 83 CV AT 1,500 r.p.m.	
ELECTRICO	BRAND	AEG	
	POWER	45 kW 60 CV AT 1.500 r.p.m.	
	VOLTAGE	380 - 420 V AND 50 Hz	
	PROTECTION	IP 65	
	PROBE	PTC	
HYDROSTATIC TRANSMISSION			
PISTONS PUMP	BRAND	LINDE	
	MODEL	HPV 55-02 (55 cc)	
	APPLIED	ON OUTER CASING	
PUMPING PUMP	TYPE	PISTONS	
	BRAND	METARIS	
	APPLIED	TO BOTH ENGINES	
BOOM			
PISTONS PUMP	USED FOR	SECTIONS AND ARTICULATIONS IN BOOM AND SPRAYING HEAD	
	APPLIED	TO PUMPING PUMP	
SERVICE			
GEARS PUMP	APPLIED	TO SHIFTING PUMP	
	USED FOR	STEERING, BRAKES...	
BRAKES	SERVICE	OIL BATHED DISCS HYDRAULIC ACTIVATED ON BOTH AXLES	
	PARKING	HYDRAULIC ACTIVATED ON FRONT AXLE	
AXLES		STEERED MONOBLOCK	
DRIVE		4- WHEEL	
CABIN		FRONT	
DRIVER'S SEAT		ROPS - FOPS	
STEERING	TYPE	ROTATORY 180°	
	FRONT AXLE	HYDROASSISTED	
	BOTH AXLES	YES	
	CRAB TYPE	YES	
SPRAYING BOOM	ARTICULATION	REVERSIBLE , DOUBLE	
	TELESCOPIC	YES, 2 SECTIONS, ELBOW AND FAN MOVEMENT	
	BOOM ROTATION (LATERAL)	270°	
	BOOM TILT (UP / DOWN)	90°	
	SPRAYING HEAD ROTATION	360°	
	SPRAYING HEAD TILT	240°	
	MAXIMUM REACH OF SPRAY	10 mt	
REMOTE CONTROL		YES, RADIO AND CABLE	
SHOTCRETE UNIT			
PERISTALTIC PUMP	BRAND	BOYSER	
	MODEL	AMP22	
	WORK	ELECTRIC	
	REGULATED	ELECTRICALLY, INDEPENDANT	
	WORK PRESSURE	8 BAR	
	FLOW	1TO 10 l/min	
PUMPING UNIT	MODEL	ML02	
	OUTPUT	25 m ³ /h	
	DIAMETER OF CYLINDERS	176 mm.	
	LENGHT OF STROKES	660 mm.	
	MAXIMUM PISTNS PRESSURE	4,000 psi	
	MAXIMUM CONCRETE PRESSURE	2,000 psi	
	RANGE OF WORKING PRESSURE	1,500 / 3,000 psi	
	MAXIMUM GRANULOMETRY	20 mm	
	AGITATOR ON HOPPER	YES	
COMPRESSOR	MODEL	NO	ML 02
	POWER		55 KW
	FLOW		11M3/MIN
	TYPE		SCREW TYPE
	MOTOR		ELECTRICAL
	MAXIMUM AIR PRESSURE		10 BAR
PIPES	TYPE	HIGH STRENGTH STEEL	
HOSES	DIAMETER	80 mm.	
	DIAMETER	80 mm.	
COILER	TYPE	MECHANICAL	
	LENGHT	50 mts.	
	CABLE	4 x 25	4 x 50
	SOCKET	NO	
STEERING RADIUS	INNER	1,600 mm	
	OUTER	4,800 mm	
SPEED		20 KM/H ACCORDING TO SPANISH RULES	
MAXIMUM SLOPE		30%	
ELECTRICAL SYSTEM		2 BATTERIES OF 12V , 110 Ah	
TYRES		12 – 16,5 LLANTA 9,75 – 16,5	
WEIGHT		11,500 Kg	13,000 Kg
HYDRAULIC OIL TANK		495 l	
WATER TANK		365 l	
FUEL TANK		185 l	

Due to the constant process of improvement at factory, all data are subject to modification without prior notice, being merely illustrative all data in this catalogue.

MADRID: Ctra de Valencia, Km 19,200. 28524 RIVAS VACIAMADRID (MADRID). FAX: +34916701005. e-mail:madrid@mlorenzana.com

LEÓN: Pol. Ind. Villacedr . 24009 VILLACEDR  (LE N). FAX: +34987849036. e-mail:leon@mlorenzana.com

www.mlorenzana.com +34 902 151 236