

Solutions For Your Success

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CONTENT

Special Foundation Equipment & Machine Manufacturer

Z Makina with potential contributions to the group companies is to give examples of what Z Makina has achieved in the past and relate them to what it can accomplish in the future. With an ongoing emphasis on innovation in all phases of its design and production, Z Makina abides to its basic concept of Reliability In Action to provide ever more trustworthy products and services to a global customer base that continues to enjoy a sustained return on its investment.

Within the project duration, Z Makina;

1. Determines at a high level what needs to be accomplished and how it will be done
2. Allocates between what the project will and will not do.
3. Describes the work that must be performed to deliver a product, service or result.

01. Mechanical Grab Soletanche M8

Z Makina manufactured the M8 Mechanical Grab patented by Soletanche Bachy.

Achieving project success is determined by Z Makina project planning team in a collaborative, facilitation manner with SOLETANCHE technical team by means of providing rigid policies, procedures, standards and guidelines.

02. Power Tong ZPT 30

ZETAS has recently been awarded an extended contract of conductor casing installation works for Oil Wells in Persian Gulf for Abu Dhabi National Oil Company (ADNOC).

Upon that new contract, Z Makina manufactured the Power Tong of the second which was custom-made designed.

03. Manual Mixer ZM 300

Z Makina developed a new project by updating all the equipment parts those can be responsible of explosions with the requirements to have ATEX certification. ZM 300 Mixer is a Tailor Made Project with ex-proof components for hazardous areas.





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WORK SMART
WORK FAST



MECHANICAL GRAB SOLETANCHE M8

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M8 grab was manufactured with the grab jaws for excavation widths 800 / 1000 mm. In addition to the M8 grab Z Makina had manufactured 3 jaw sets for different projects in 2019.

Z Makina has its own mechanical grab designs jaws width ranges from 600 mm to 1500 mm with wide range of options.



*High quality of manufacturing
with experienced team*





MANUEL MIXER ZM 300

Within the scope of casing installation works in ZADCO Project Abu Dhabi National Oil Company (ADNOC) obliges, in order to follow the ATEX standards for equipment intended for use in areas at risk of explosion in the Project. Z Makina developed a new project by updating all the equipment parts those can be responsible of explosions with the requirements to have ATEX certification. ZM 300 Mixer is a custom-made project with ex-proof components for hazardous areas.



The portable hopper stand could be dismantled easily for transportation operations

The primary cementing operation for sealing the annulus between the casing and the formation is carried out with ZM 300. The conductor pipe featured is cemented with a proper slurry with good compressive strength. The mixing capacity depends on the batching, mixing and discharging time of each individual batch.

Key Benefits and Features

- Easily dismantlable the Hopper Stand
- Mechanical Hand Operated Valve between the Hopper Stand & Mixer Tank
- Sliding platform & guard rails
- High mixing capacity

MODEL	UNIT	ZM 300
Mixer Capacity	lt	3000
Water Tank Capacity	lt	2000
Power	kW	59
Length	mm	4500
Width	mm	2300
Height	mm	5500
Weight	kg	5100





POWER TONG ZPT 30

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Key Benefits and Features

- PLC remote control
- Torque measurement with hydraulic pressure sensors and/or Z-MAK DAT@ Advantage Torque Turn Monitoring System.
- Max High Gear Torque 140 kN.m with proper power-pack, thru 30" DIA casing pipe.



The installation of the conductor casings ranging from 20" to 30" diameter are installed by the Power Tong ZPT 30 with the torque needed to make up the conductor pipes is monitored, and controlled. According to the selected diameter of the casing, PLC system limits the tightening torque in order to avoid structural failures. In other words the make-up torque ratings rely on casing size, grade, metallurgy, weight, and the thread compound friction factor being utilized.

A simple illustration of these torque values are shown below

PIPE DIAMETER		GIVEN MAKE UP TORQUE FROM SUPPLIER
20"	$M_{1min} - M_{1max}$	27.1 - 31.2 kN*m
26"	$M_{2min} - M_{2max}$	35.3 - 40.7 kN*m
30"	$M_{3min} - M_{3max}$	40.7 - 51.5 kN*m



Power Tong designed at our R&D department as custom-built



**VISIT
US!**



EXHIBITION DATES THAT Z MAKİNA ATTENDS

UZBUILD 2020 - UZBEKISTAN

25 - 28 FEBRUARY

HALL 3 / STAND NO: E 156

BATIMATEC 2020 - ALGERIA

19 - 23 APRIL

HALL C

BAUMA CCT 2020 - RUSSIA

26 - 29 MAY

HALL 13 / STAND NO: 210

WHY CHOOSE US

ADVANTAGES OF WORKING WITH Z MAKİNA

In house development of proprietary datas from ZETAS for over 30 years.

Always side of the customer and provide full support.

Management, design and field staff have experience in nearly all types of foundation applications

Fast delivery and elaborated products to all customers.



YOU HAVE A STRONG PARTNER WITH Z MAKİNA

Z Makina has the experience in foundation equipment technology and innovation to provide the most economical solution that satisfies the requirements of each project, typical or unique. Z Makina, offering the exhaustive and profitable solutions. Headquartered in Kocaeli, Turkey, has expanded to meet the increasingly complex needs of the geotechnical equipment within the group companies.

Z Makina Teknolojisi A.Ş

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The logo for Z Makina, featuring a stylized blue 'Z' followed by a vertical bar and the word 'MAKİNA' in a bold, blue, sans-serif font.

Z | MAKİNA