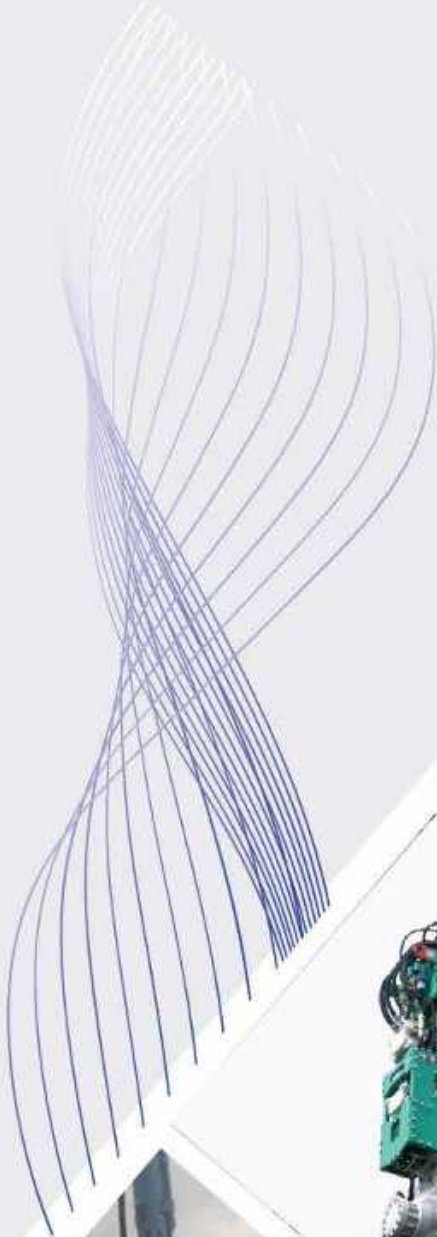




# ESP

Construction Equipment & Machinery Trading llc





# Overview

ESPN is a UAE (United Arab Emirates) company specializing in the marketing of public works, quarrying and handling machines. ESPN is involved in the purchase & sales, lease of brand new/used machinery - Piling & soil improvement equipment - impact hammer - cranes - rig machines - pile breakers - excavators - loaders all over in the Middle East.

We also provide spares & technical support to satisfy the needs of our users.



# Mission

Strengthen our market leadership by creating dynamic and profitable relationships with customers and suppliers through innovative solutions and committed employees. We are committed to building the largest buyer-seller network of machines, suppliers, wholesalers, and traders in the country. To meet this objective our subscription plans are designed with minimal barriers to entry. Come join the network and be part of our machines revolution

# CEO Message

I am immensely proud to lead this extraordinary team. Together, we have achieved remarkable milestones, demonstrating our unwavering commitment to excellence and innovation. As we continue to navigate the ever-evolving business landscape, I am confident in our ability to adapt and thrive. Our shared vision, coupled with our passionate dedication, will propel us towards even greater success. Let us embrace the challenges ahead, leverage our collective strengths, and continue to deliver exceptional value to our customers. Thank you for your unwavering dedication and for being the driving force behind our continued growth.



**Sebastien Espin**  
CEO



# ESPN DEALS IN



Impacthammer



Mini Piling Rig



Hyd Drilling Rig



Damper



VibroHammer



ABI Hammer



Pile Breaker



RIC



Vibroflot



# Impacthammer

At ESPN, we're revolutionizing the world of hydraulic hammers with cutting-edge technology and unwavering innovation. Our hammers are the driving force behind some of the most ambitious projects on the planet, from towering skyscrapers to sprawling infrastructure developments, wind farms, mines, and water conservation systems. With our mastery of core hydraulic hammer technology, we're not just building products - we're building the future. Our extensive range of impact hammers, available from 5-ton to 55-ton ram weight, caters to diverse applications and industries, empowering our clients to tackle complex projects with precision and efficiency. Our commitment to R&D and customer-centric solutions is transforming the industry, enabling our clients to push boundaries and achieve the impossible. Join us in shaping the landscape of tomorrow.

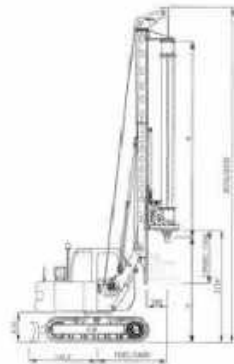
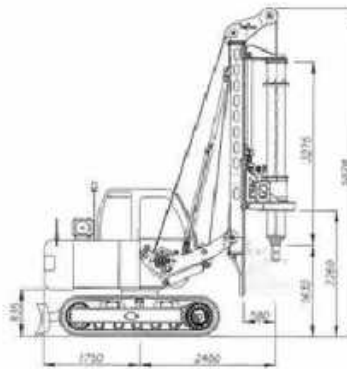


Model	Ram Weight	Max Striking Energy	Strike Frequency	Max ram stroke	Hammer weight
HHP5	5 tons	60KN.M	90/36	0-1500mm	8250kg
HHPB	8 tons	120 KN.m	90/36	0-1500mm	12900kg
HHP12	12 tons	180 KN.m	90/36	0-1500mm	18100kg
HHP14	14 tons	210 KN.m	90/36	0-1500mm	21000kg
HHP16	16 tons	240 KN.m	90/30	0-1500mm	23650kg
HHP18	18 tons	270 KN.m	90/30	0-1500mm	26800kg
HHP20	20 tons	300 KN.m	90/30	0-1500mm	29500kg
HHP25	25 tons	375 KN.m	90/30	0-1500mm	41500kg
HHP30	30 tons	450 KN.m	80/30	0-1500mm	49025kg
HHPLO	40 tons	600 KN.m	80/28	0-1500mm	62600kg
HHP50	50 tons	750 KN.m	80/28	0-1500mm	74600kg
HHP65	65 tons	975 KN.m	80/28	0-1500mm	90000kg
HHD1000	55 tons	1000 KN.m	60/28	0-1100mm	136000kg



# Mini Piling Rig CF3

Base				
Type	Hitach			
Diesel engine	Isuzu AU-4LE2X			
Rated power 2100 rpm	39,4	kW	52,8	HP
Fuel tank capacity	135,0	l	35,7	gal
Hydraulic oil tank capacity	60,0	l	15,9	gal
Undercarriage				
Width with retracted tracks	2320	mm	7,9	ft
Tracks length	2920	mm	9,6	ft
Shoes width	450	mm	17,7	in
Max. Travelling speed	5	Km/h	3,1	mi/h
Swing speed	3,3	rpm	3,3	rpm
Hydraulic plant				
Load sensing valve				
Main pump	2x63	l/min	2x16,6	gal/min
Auxiliary pump	52,5	l/min	13,9	gal/min
Max working pressure	26	Mpa	3771,0	psi
Capacity oil tank	60	l	15,8	gal
Hydraulic winches				
Main winch	4780	daN	10,7	lbs
Service Winch	900	daN	2,0	lbs
Hydraulic rotary head				
Torque	3500	daNm	25,8	lbs ft
Drilling speed	7-15	rpm	7-15	rpm
Spin-off speed	80	rpm	80,0	rpm
Stroke	1500	mm	59,1	in
Pull-down max. extraction force	8000	daN	18,0	lbs
Pull-down max. crowd	13000	daN	29,2	lbs
Drilling dimensions				
Max. diameter	1000	mm	39,4	in
Min. diameter *	400	mm	15,7	in
Max. Depth **	24	m	78,7	ft
Transport dimensions				
Height	3100	mm	10,2	ft
Lenght	7960	mm	26,1	ft
Width	2320	mm	7,6	ft
Weight ( with 22 m kelly bar)	11000	kg	24,3	lbs
Safety system				



# TES 20 Hyd Drilling Rig

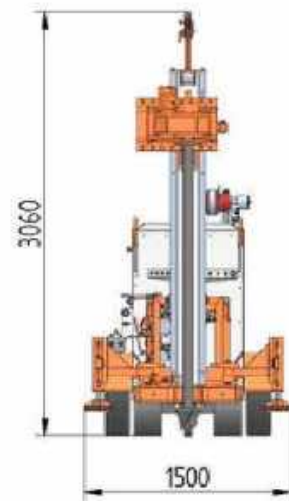
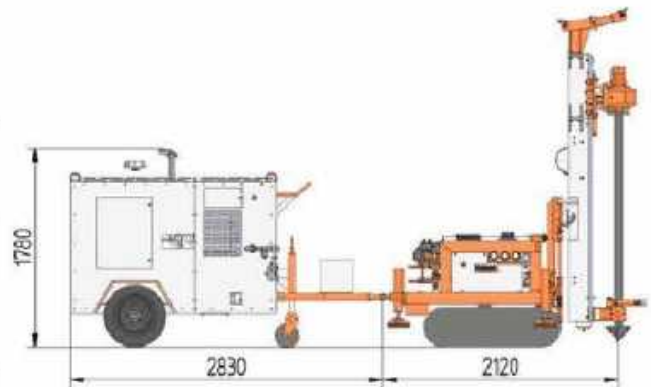
**TORQUE** 2,5 - 5 kNm

**ENGINE POWER** 59,4 kW

**EXTRACTION/CROWD FORCE** 20 kN

**MAX DIAMETER** 200 - 250 mm

**TOTAL WEIGHT** 2,6 - 3,1 t



Hydraulic drilling rig TES20

Suitable for the reinforcement of existing foundations, micropiles for retaining walls, it can work in very limited spaces and, thanks to the separate control unit, it can work inside existing buildings without problems of smoke or pollution. It can be equipped with a 2.5 or 5 kNm rotary and is equipped with a Tier4 Final engine. The TES20 can be equipped in different working modes: micropiles, probing, core drilling, DTH hammer. The TES20 is also equipped with a 20 l/min water pump at 60 bar for the spoil of the core samples during the soil investigation.



# Damper

## ESPN's Vibration Damper

Revolutionize your piling operations with our cutting-edge vibration damper, designed to absorb vibrations and ensure safe and efficient jobsite operations. Now, you can use any vibrohammer with mobile cranes, with a load capacity of up to 45 tons, and an extra safety system for added protection.

Total Safety. Total Efficiency.

Experience the benefits of:

- Safe and sound jobsite operations
- Universal compatibility with all vibro hammers
- Load capacity up to 45 tons
- Extra safety system for enhanced protection

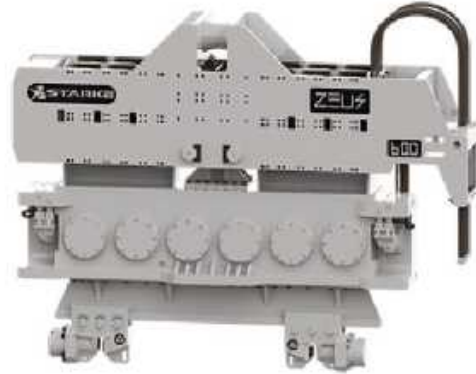
Upgrade your piling operations with ESPN's Vibration Damper



# Vibrohammer

We specialize in providing efficient hydraulic vibratory hammers for piling solutions, catering to a wide range of applications. Our Vibro drivers are designed to drive or extract various profiles, including:

- Sheet piles
- H-beams
- Casing sand tubes
- Wooden piles



## Comprehensive Range

Our Vibro drivers are available in capacities ranging from 2 tons to 30 tons, ensuring we have the right solution for your specific project requirements.

## Advanced Technology Exceptional Performance

Our Vibro drivers are distinguished by their impressive extraction force and driving force, enabling efficient and effective piling operations. This results in reduced project timelines and costs, making us a preferred partner for piling projects.

## Expert Solutions

With our expertise in Vibro drivers and extensive range of capacities, we can provide tailored solutions for your piling needs. Our team is committed to delivering exceptional service and support to ensure the success of your projects



# Vibroflot

## Vibro Compaction Solutions from ESPN

ESPN Construction Equipment Machinery Trading LLC offers advanced vibro compaction solutions to enhance ground strength. Our product range includes:

- Vibroflots: Designed to increase ground strength, our vibroflots come in various options, including different lengths and sizes of vibro lenses.
- Customized Solutions: We provide tailored solutions to meet specific project requirements, ensuring optimal ground improvement.
- Refurbishment Services: Our team has expertise in completely refurbishing vibro lenses, extending their lifespan and performance.
- Isolator Redesign: We also offer redesign services for isolators, ensuring optimal performance and durability.

With our expertise and comprehensive product range, ESPN is a reliable partner for ground improvement projects. Our solutions can be applied to various construction projects, including:

- Ground Improvement: Enhance the strength and stability of the ground for construction projects.
- Soil Compaction: Improve soil density and reduce settlement issues.
- Foundation Support: Provide a stable foundation for structures, reducing the risk of settlement and damage.

By partnering with ESPN, you can benefit from our expertise and experience in vibro compaction solutions, ensuring the success of your construction projects.



# Rapid Impact Compaction

ESPN is proud to introduce its Rapid Impact Compaction (RIC) machines, designed to significantly enhance ground strength and boost productivity. With advanced features and precise control, our RIC machines are ideal for various construction and infrastructure projects.

## Advanced Features:

- Ground Settlement Monitoring: Precise monitoring of ground settlement for optimal compaction
- Blow Count Control: Accurate control over the number of blows for efficient compaction
- RAM Height Adjustment: Adjustable RAM height for customized compaction
- Energy Control: Precise control over energy output for optimal results
- Exact Coordinate Settings: Precise coordination using RIC system for accurate compaction
- Inclination Control: Monitoring and control of machine inclination for safe operation
- Remote Online Control: Monitor and control productivity from your office for enhanced efficiency

## Technical Specifications:

- Maximum Energy: 230 kilonewton meters
- Maximum Stroke: 1.2 meters
- RAM Weight: 18,000 kilograms
- Total Hammer Weight: 30,000 kilograms
- Base Machine: 39.5-ton excavators
- Footprint: 2.5 meters

## Range of Models:

We offer a range of RIC machines with varying capacities, including:  
9-ton, 10-ton, 14-ton, 16-ton, and 18-ton models



# RIC/RDC Spares

We are pleased to announce that we now have parts available for Rapid Impact Compaction (RIC) and Rapid Dynamic Compaction (RDC) machines



Accumulator



Solenoids



Lifting Bracket



Tef- Ring



Monitoring System And Accessories



Accumulator Accessories



Cushion Pad



Rebounding Ring



# Monitoring System

## Advanced Monitoring System for Enhanced Job Site Efficiency

Our monitoring system provides real-time tracking of various working parameters, enabling you to comply with job site requirements and optimize your operations. The system offers flexible data retrieval options, including:

- Data Export: Retrieve data on a USB key or access it online through iCloud or your computer's storage space
- Data Analysis: Analyze work data to improve future job preparations and demonstrate compliance to certification bodies
- Real-time Transmission: Transmit data directly via mobile network (with a subscription) for instant analysis at your headquarters

### Live Progress Monitoring:

With our monitoring system, you can view the live progress of your job site work from the comfort of your main office or even from home, using your laptop. This allows you to:

- Monitor Real-time Activity: Stay up-to-date with the latest developments on your job site, no matter where you are
- Control Your Project: Make informed decisions and adjustments to your project in real-time, ensuring that everything stays on track
- Enhance Productivity: Identify potential issues and optimize your operations to maximize efficiency and productivity

### Comprehensive Measurements:

Our monitoring system can provide a range of measurements, including:

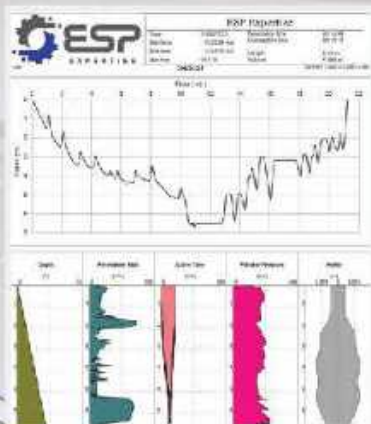
- Depth measurement
- Hydraulic pressure sensor
- Amplitude and frequency measurement
- Inclination monitoring
- Frequency analysis
- GPD positioning
- Stone column diameter measurement
- Gravel consumption measurement

### Versatile Installation Options:

This advanced monitoring system can be installed on various equipment, such as:

- Piling rigs
- Vibro hammers
- Vibro flots
- RIC / RDC
- And more

By leveraging our monitoring system, you can enhance job site efficiency, optimize equipment performance, and make data-driven decisions to drive your projects forward



CURRENT PN	JOBITE	CONTRACT	NAME	SECTION	INDEX	START DATE	STOP DATE	LENGTH (M)	MEASURE (M)
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000
RIC	DIALOG RIC	ASA	ESP TEST			8/10/2020	8/30/2020	0.0 M	0.0000



# Vertical HAMMER

At ESPN Construction Equipment and Machinery, we specialize in providing cutting-edge piling solutions for construction projects. Our product range includes vertical hammers attached to base machines with ladders, designed to efficiently drive or extract sheets without the need for additional supporting equipment.

Key Features of Our Vertical Hammers:

- HFV Hammers:

Our hammers can be mounted on required base machines, offering versatility and adaptability in various construction settings.

- Refurbishment Services:

We offer full refurbishment services for our hammers, ensuring they meet the highest standards of performance and longevity.

- Comprehensive Parts Support:

All parts for vertical hammers and jaws for clamps are readily available, minimizing downtime and ensuring continuous operation.

With our expertise and comprehensive product range, we are well-equipped to support construction projects in the UAE and beyond. Our commitment to innovation, quality, and customer satisfaction makes us a trusted partner in the construction industry.



# Rig & Anchor machines

ESPN provides a range of YCR series models, including:

- YCR25- YCR65- YCR90- YCR135- YCR160- YCR245- YCR28- YCR405

These models can meet the demands of more than 90% of pile foundation construction projects in the UAE and abroad, thanks to their high-pressure efficiency, advanced product technology, leading environmental protection design, and considerate after-sales service

The YCR405E drilling rig machine is a robust and versatile piece of equipment designed for various drilling applications, including foundation work, bridge construction, and utility installations. Here are its key specifications and features:

## **Key Specifications:**

- Maximum Output Torque: 405 kN.m, enabling efficient drilling through challenging materials
- Rotary Speed: 6-27 RPM, allowing for adaptable drilling operations
- Pull-Down Piston:
  - Push Capacity: 330 kN, facilitating stable drilling operations
  - Pull Capacity: 400 kN, ensuring effective extraction of drill pipes
  - Stroke: 6000 mm, providing ample room for drilling operations
- Drilling Capabilities:
  - Maximum Diameter: 2600-3000 mm, suitable for large-diameter drilling applications
  - Maximum Depth: 99 meters, allowing for deep drilling operations



## **Anchor Machine**

ESPN now deals in anchor machines as well which will boost the productivity of projects and with different features Main characters:

1. Improve construction efficiency by 30%. Equipped with a newly upgraded speed adaptive system;
2. The coverage of construction application scenarios is wide. High speed, high torque, crushing hammer construction, with abundant engine power, different construction modules can be changed according to different construction scenarios, and one machine can be used for multiple purposes;
3. Can achieve construction of 6m long steel planting piles. Fully meet the market construction requirements;
4. Flexible hole alignment in all directions. Turning the arm can achieve left and right swing angles, and the pitch angle can be adjusted, making multi angle hole alignment quick and convenient;
5. Unrestricted construction in mountainous areas and Gobi. 320mm tracks with strong grip, telescopic high and low leg tracks, widely adapted to slope construction.;
6. Accurate hole alignment. Equipped with orifice guiding device, precise hole alignment, safe and reliable construction;
7. Widely used in scenarios such as photovoltaic solar-pile, spiral drill pipe, and ground pile implantation.



# Kellybar /buckets /tools /Auger



Casing Joint



Casing



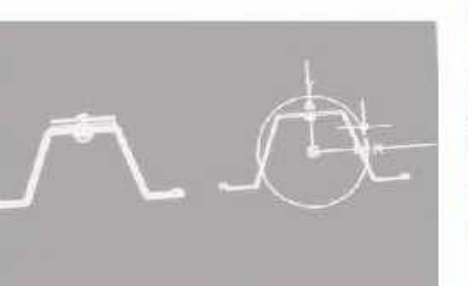
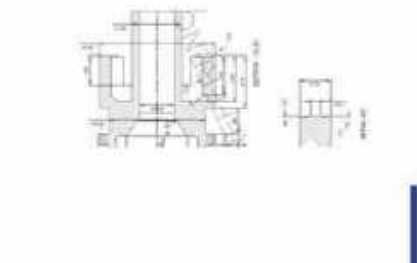
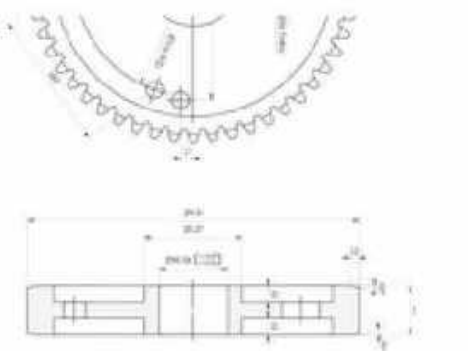
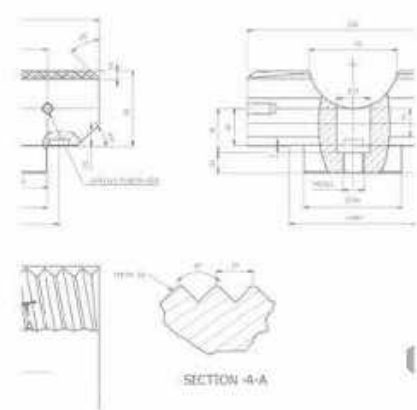
Casing Shoe



Casing Teeth



# Refurbishing



# Spares





# At Your Service

Combining state-of-art piling machinery with uncontesteted customer service and sheer determination to do everything in our power to help customers succeed,ESPN can improve all of your operational efficiency



[www.espexpertize.com](http://www.espexpertize.com)



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