

HYDRAULIC DIAPHRAGM WALL GRAB ZDG750U

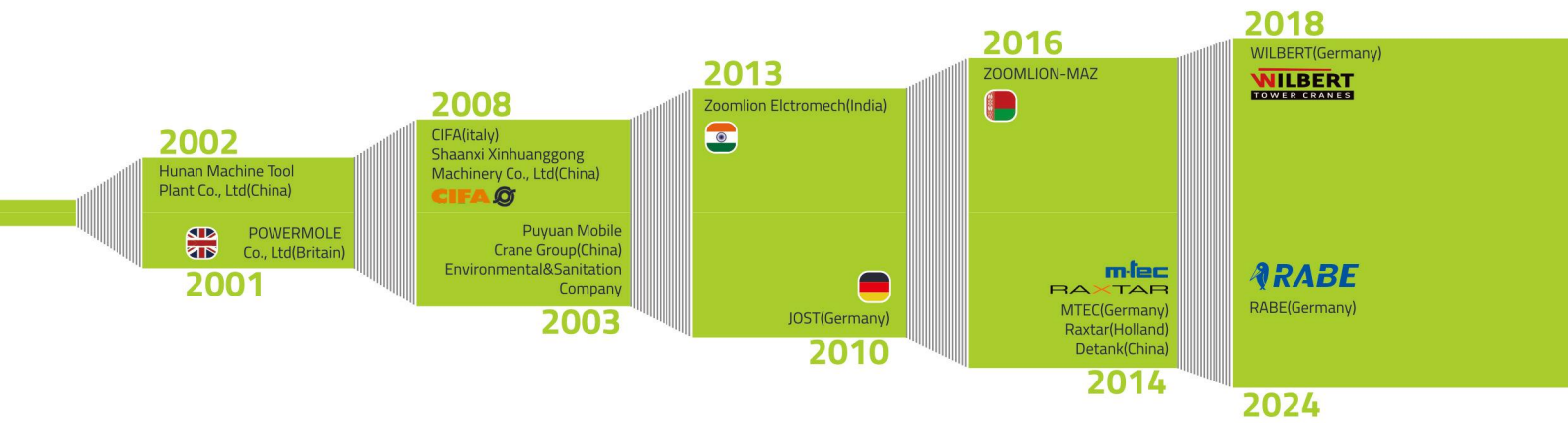


V2025.02

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ZOOMLION

ZOOMLION GLOBALIZATION



ZOOMLION AT A GLANCE

	Since 1956		Founded in 1992		Stock Exchange SZ/HK		Sales Value \$4.18billion
	Patents 10000+		Standard Maker		Industrial Parks 22		Employees 30000+



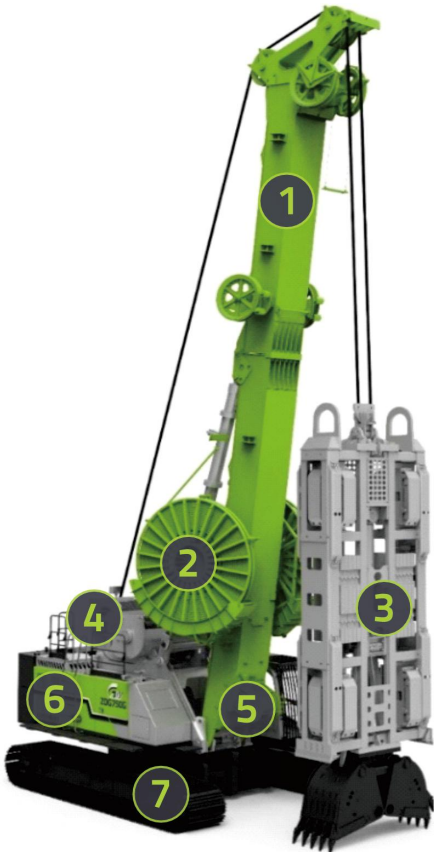


SCIENTIFIC RESEARCH BUILDING

整机简介 Machine Introduction

ZDG750U 液压抓斗		
Max wall width	最大成槽宽度	1500mm
Max wall depth	最大成槽深度	80m
Max lifting force	最大提升能力	750kN
Max closing force	最大闭合力	2000kN
Max grab weight	最大斗体质量	37t
Rated output	发动机额定功率	321kW

- 1.箱梁型桅杆
Box type mast
- 2.油管卷盘
Tube Reel
- 3.推板纠偏抓斗总成
Push plate deflector grab assembly
- 4.单层绳双卷扬机构
Double winches with single-layer rope
- 5.电缆卷盘
Cable reels
- 6.上车总成
Main body
- 7.伸缩履带底盘
Telescopic tracked chassis



设备亮点 Equipment highlights

卷盘深度自适应随动功能，
有效提高随动性能与软管寿命
Reel depth adaptive follower function, effectively
improving follower performance and hose life.

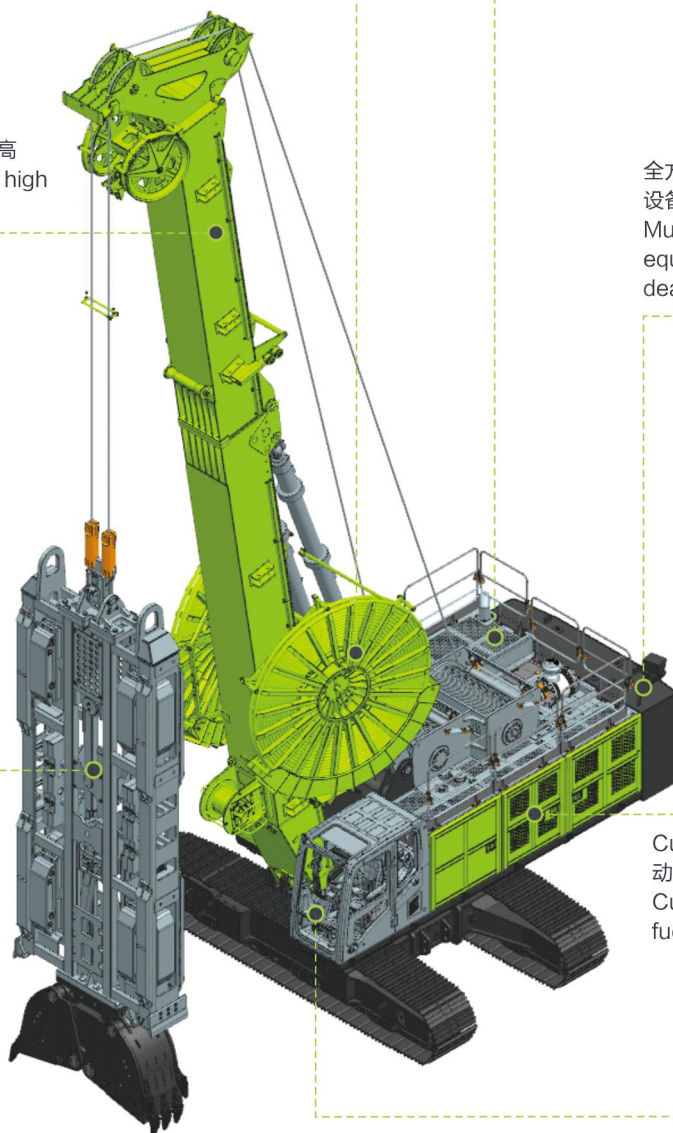
整机液压泄漏监控，保障液压系统安全
Hydraulic leakage monitoring of the
whole machine to ensure the safety of
the hydraulic system.

高刚度桅杆结构，工作稳定性高
High rigidity mast structure, high
working stability

全方位视频监控，
设备回转、行走无死角
Multi-directional video monitoring,
equipment slewing, walking without
dead angle.

标配12推板纠偏，纠偏效果好，成
槽精度高
12 pusher plates as standard,
good deflection effect, high
accuracy of groove formation

Cummins X12
动力强劲，油耗低
Cummins X12 Powerful and low
fuel consumption



ZOOMLION自有12.1寸
工程机械专属定制触摸显示屏，
启动迅速，高清高亮
ZOOMLION has its own 12.1-inch
customised touchscreen display for
construction machinery, with fast start-
up and high definition and brightness.

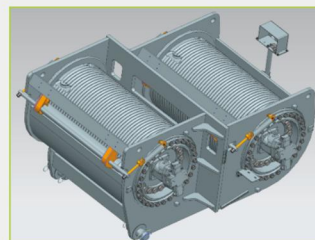
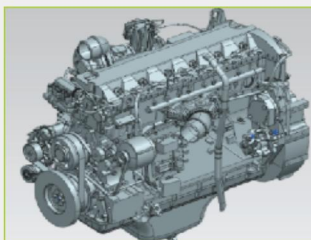
系统超稳定 Ultra-stable system

全套力士乐系统，A8VO200主泵，M7主阀，A6VM200卷扬电控马达；

Complete Rexroth system, A8VO200 main pump, M7 main valve, A6VM200 winch motor

X12康明斯欧五发动机，717邦飞利卷扬减速机；

QSM11 Cummins Engine, 717 Bonfiglioli Winch Reducer



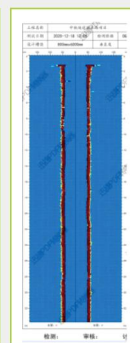
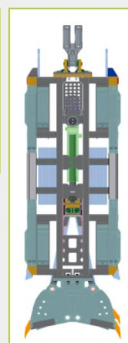
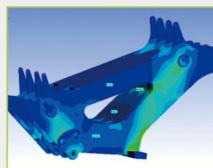
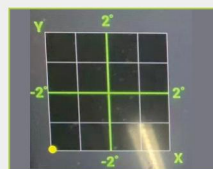
成槽精度高 High grooving accuracy

整机结构强度高，配合间隙小，施工稳定可靠；

The whole machine has high structural strength, small matching gap, stable and reliable construction;

抓斗体导向长，12推板纠偏，成槽精度可达1/500；

The grapple body is guided by a long, 12-pusher plate to correct deflection, and the accuracy of slot formation is up to 1/500;



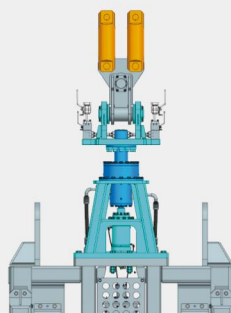
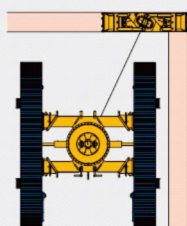
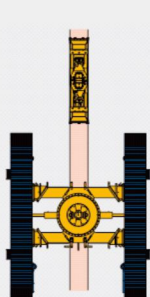
斗体可回转 Swing functional grab

满足受限区域施工需求，如T型槽、L型槽；

Meeting the construction requirements in specific areas in T-shaped and L-shaped trenches.

可补偿斗齿不对称布置带来的不利影响，提高施工效率；

It compensates for the adverse effects caused by the asymmetric arrangement of cutter bit, improving construction efficiency.





操纵舒适 Operator Comfort

全新感受：驾驶室座椅空间大，视野开阔；

New feeling: large seat space in the cab, with a wide field of vision;

无畏寒暑：大功率冷暖空调另配风扇，无畏严寒酷暑。

Fearless of cold and heat: high-power cold and warm air-conditioning with another fan, fearless of cold and heat.

极致安全 Ultimate Safety

全面监控：双卷扬、配重尾部、右侧等全方位摄像头；

Full monitoring: full range of cameras on double winch, counterweight tail, right side, etc;

异常预警：倾角限位、水位报警、触底停绳等全方位保护。

Abnormal warning: tilt limit, water level alarm, bottoming out and stopping the rope and other all-round protections



保养便捷 Maintenance Convenient

集中润滑：标配集中润滑系统，覆盖回转支承以上所有点位；

Centralised lubrication: A centralised lubrication system is fitted as standard, covering all points above the slewing bearing;

维保空间：全新的空间布局，维修空间大，集中维护，快速维修。

Maintenance space: new space layout, large maintenance space, centralised maintenance, fast repair.

智能电控 Intelligent Electronic Control

智控屏显：12.1寸触摸屏，整机三维动态显示，视觉无延迟；

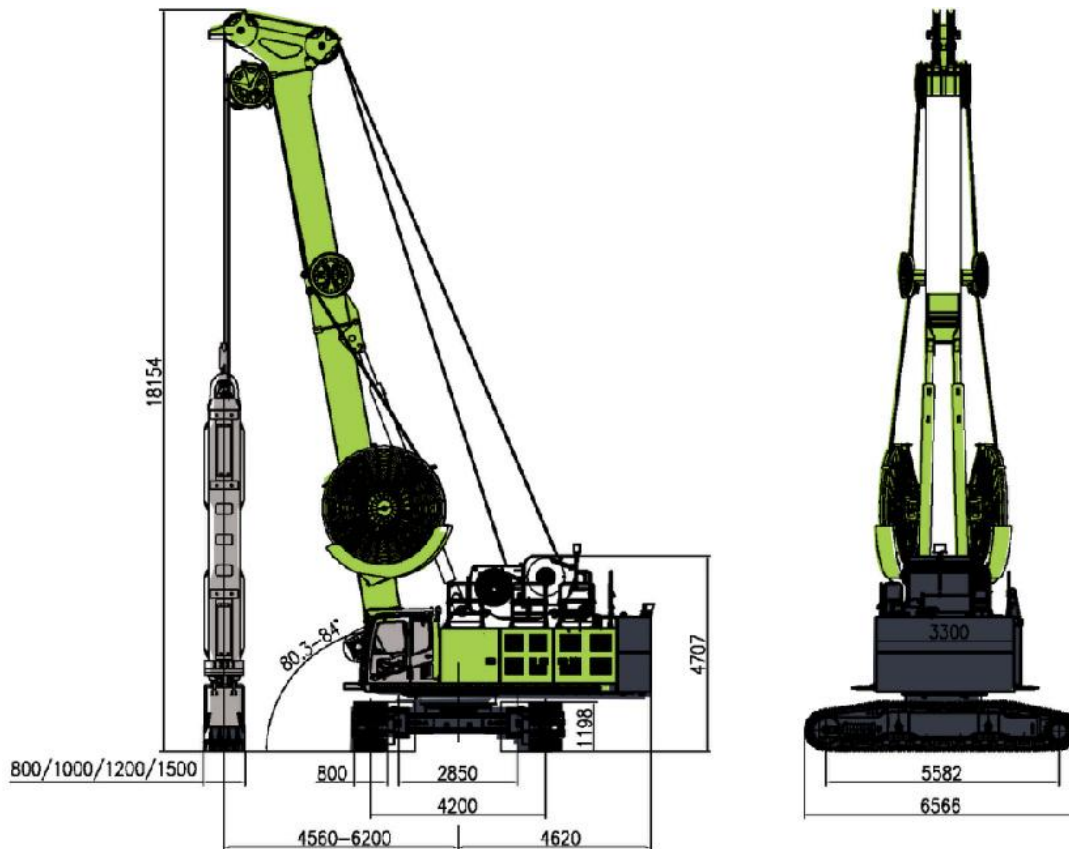
Intelligent control screen display: 12.1-inch touch screen, three-dimensional dynamic display of the whole machine, no visual delay;

人机交互：升级控制面板，简化步骤，一键纠偏，人性化操作。

Human-computer interaction: upgraded control panel, simplified steps, one-key correction, humanised operation.



技术参数 TECHNICAL SPECIFICATIONS

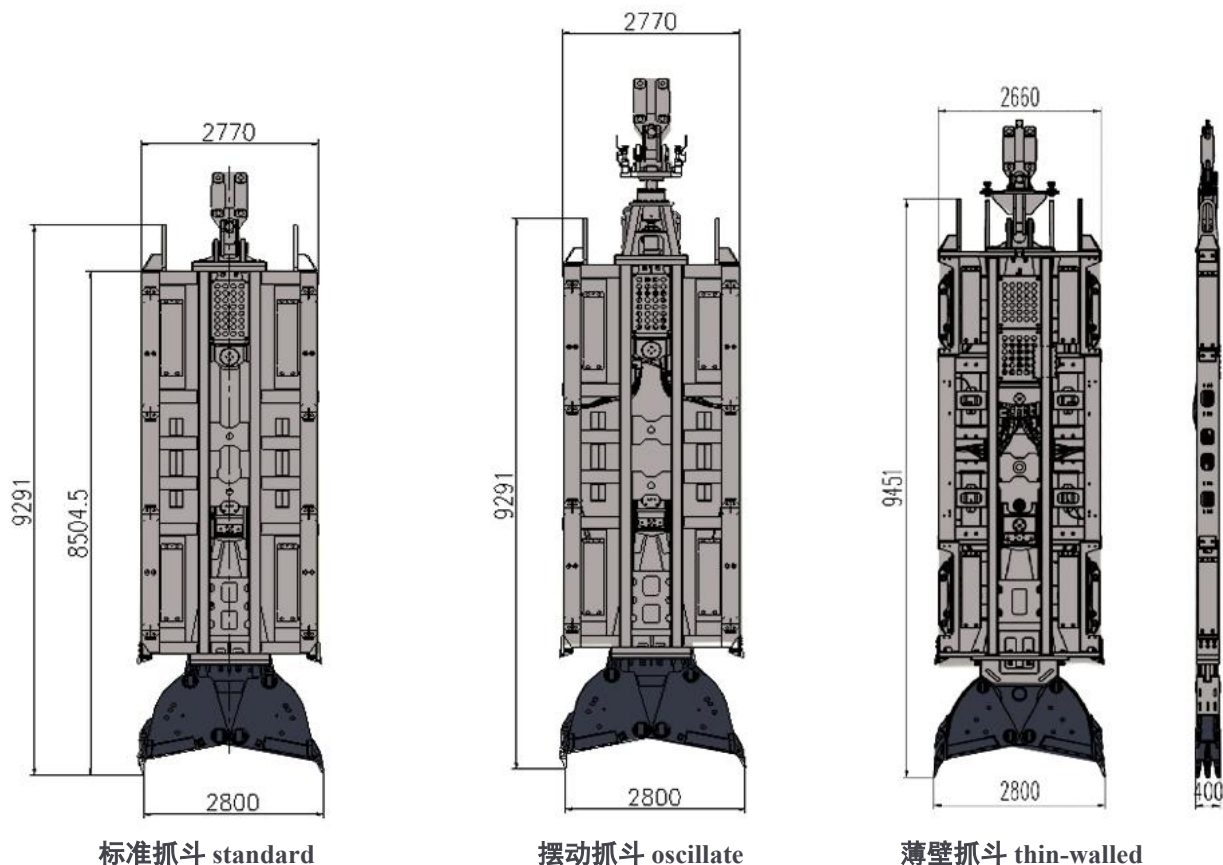


Performance index		ZDG750U液压抓斗
Wall width	成槽宽度	0.8m~1.5m
Max wall depth	最大成槽深度	80m
Max lifting force	最大提升力	750kN
Main machine weight	主机质量	105t
Construction dimensions		施工尺寸
Total height	总高度	18154mm
Track extension distance	履带外拓距离	3650mm~5000mm
Max height above ground	抓斗最大离地高度	4.5m
Working range	工作幅度	4560mm~6200mm
Turing radius	回转半径	4620mm

技术参数 TECHNICAL SPECIFICATIONS

Power system	动力系统	
Engine model	发动机型号	Cummins X12
Rated output	额定功率	321kW
Max speed	最大转速	1800rpm
Emission standard	排放标准	EU V
Diesel tank capacity	柴油箱容积	750L
System pressure	系统压力	33.5Mpa
System flow	系统流量	720L/min
Hydraulic oil tank capacity	液压油箱容积	800L
Winch system	卷扬系统	
Max pull of single rope	最大单绳拉力	375kN
Wire rope diameter	钢丝绳直径	36mm
Max rope speed	最大绳速	60m/min
Walking system	行走系统	
Track length	履带长度	5582mm
Track width	履带宽度	800mm
Traction force	牵引力	720kN
Walking speed	行走速度	1.5Km/h

抓斗体参数 Overall Specifications



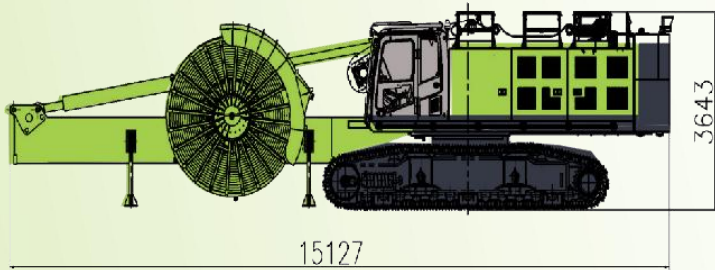
基本体宽度 Base Width (mm)	成槽宽度 Groove Width (mm)	总质量 Total Mass (t)	推板纠偏装置 Flaps	回转摆动功能 Swing function	抓斗体配重块 Counterweight
400	400	17.5	前后各4件 左右各2件	无	无
	450	18.9			
	500	19.1			
600	600	23.9		±180° (选配)	根据用户/工程需求选配，配重块质量475kg/件，最多可挂8件。 According to user/project requirements, counterweight mass 475kg/pc, the most 8 pcs.
	800	25.7			
	1000	28.1			
	1200	29.6			
800	800	27.8		±180° (选配)	根据用户/工程需求选配，配重块质量870kg/件，最大可挂10件。 According to user/project requirements, counterweight mass 870kg/pc, the most 10 pcs.
	1000	29.4			
	1200	30.6			
	1500	32.6			

特别说明：其他规格可根据用户需要定制。Special Note: Other specifications can be customised according to user needs.

ZDG750U 运输图 Transport charts

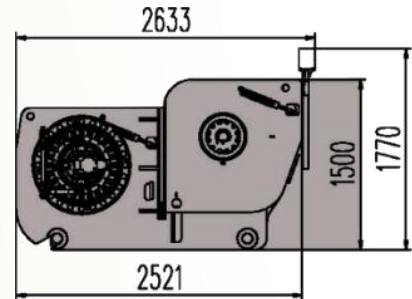
① 主机 Main Body

G (Weight) = 90t B (Width) = 3650mm



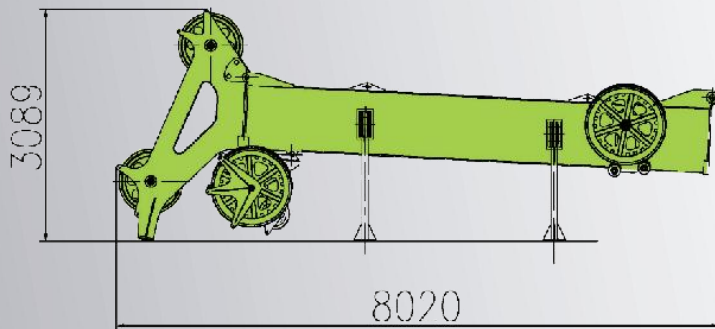
② 卷扬机 Winch

G (Weight) = 9.6t B (Width) = 2147mm



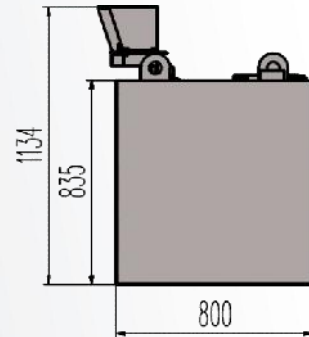
③ 桅杆 Mast

G (Weight) = 7.3t B (Width) = 2127mm



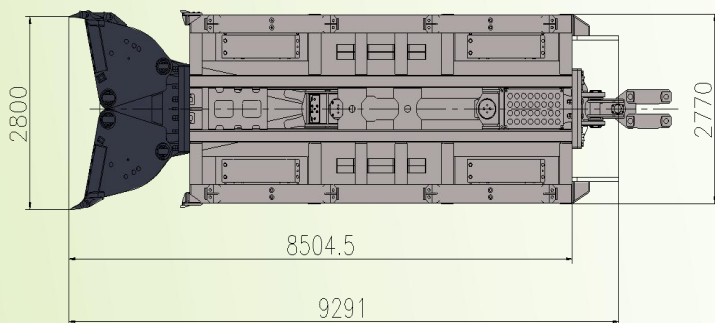
④ 上配重 Upper Counterweight

G (Weight) = 12.1t B (Width) = 3300mm



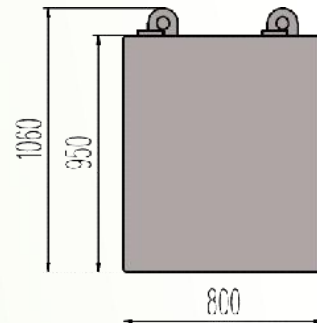
⑤ 抓斗体 Grab Body

G (Weight) = 27.8t H (Height) = 760mm



⑥ 下配重 Lower Counterweight

G (Weight) = 11.3t B (Width) = 3300mm



CONSTRUCTION CASE SET



印度艾哈迈达巴德居民楼项目
Residential building project in Ahmedabad, India



土耳其伊兹密尔新城市中心项目
Izmir New City Centre Project, Turkey



济南康复医院综合楼项目
Jinan Rehabilitation Hospital Complex Project



上海浦东机场联络线项目
Shanghai Pudong Airport Link Project



绍兴轨道交通二号线项目
Shaoxing Rail Transit Line 2 Project

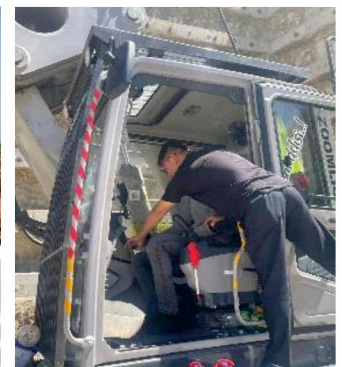
GLOBAL SERVICE CASE SET



当地配件库
Local Accessory
Warehouse
中国先进工法支持
Support for Advanced
Chinese Construction
Methods
免费员工培训
Free Staff Training
大机型保姆式服务
Comprehensive Service
for Large Models

我们能为您
We Offer Everything Best
for You
提供什么服务
Providing High Quality
Services

我们拥有丰富
We Are Experienced
全球施工经验
Global Construction
Practitioners



MORE THAN YOU CARE

就像我们对产品的处理一样，
Just as We Handle Our Products,
我们也要求我们的服务质量高,可靠性高，
We Also Require High Quality and Reliability in Our Services,
毕竟,维护对效率至关重要。
After All, Maintenance Is Crucial to Efficiency.

我们的服务承诺包括 Our Service Commitments Include

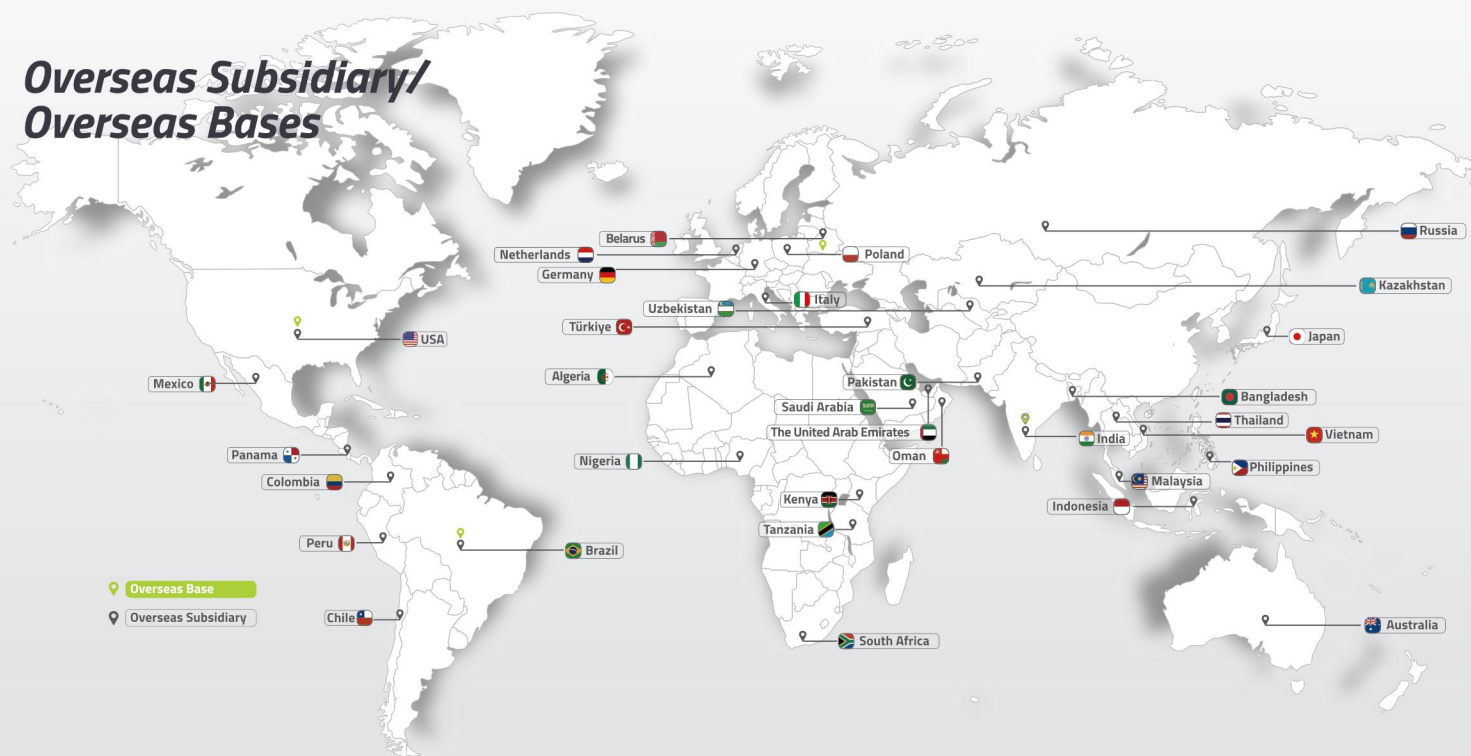
- 一个专业的团队
- A Professional Team
- 支持我们的客户和他们的产品
- Supporting Our Customers and Their Products
- 支持机器组装、调试、交付
- Supporting Machine Assembly, Commissioning, and Delivery
- 可进行机器的检查和操作员培训
- Machine Inspection and Operator Training
- 每2个月进行一次日常服务检查
- Routine Service Inspections Every 2 Months
- 每年进行全面服务检查
- Comprehensive Service Inspections Annually
- ZOOMLINK™ App服务支持
- “ZOOMLINK” App Service Support
- 通过我们位于本地区的仓库提供专用部件
- Providing Dedicated Parts Through Our Local Warehouses



灯塔工厂 Lighthouse Factory

- 具备先进的自动化、人机合作、人工智能和IoT技术，
- Equipped with Advanced Automation, Human-Machine Collaboration, Artificial Intelligence, and IoT Technologies,
- 这让我们可以交付客户一种可靠、高效的机器。
- This Allows Us to Deliver Reliable and Efficient Machines to Our Customers.

Overseas Subsidiary/ Overseas Bases



Five Pillar Business



Construction Machinery

ZOOMLION

CIFA

m-tec

WILBERT



Agriculture Industry

ZOOMLION

RABE



Neo Material

ZOOMLION

• Zoomlion Neo Material Technology Co., Ltd. provides total dry mortar solutions to customers all over the world.



Zvalley

ZOOMLION

• Bring Internet of Things technology into full play for industry.



Financial Service

ZOOMLION CAPITAL

• Zoomlion Capital presence in Italy, USA, Russia, Australia, South Africa, etc.

ZOOMLION

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