

ZOOMLION

H e a v y I n d u s t r y & S c i e n c e

■ BG2000 路面冷铣刨机
BG2000 Road Surface Cold Planer



中联重科 创造重工与科技的完美结合

A golden combination of heavy industry by science and technology



BG2000 路面冷铣刨机的铣刨鼓为机械驱动，引走及物料输送系统为液压驱动配置有自动功率控制和铣刨深度控制系统，其技术先进，可靠性高，是高等级公路及市政道路养护及路面翻修的理想设备。

The BG2000 is a state-of-the-art, highly-reliable cold planer, with mechanical drive to the cutter drum planetary and hydraulic drive to the walking system and the conveyor system, plus automatic power control and cut depth control systems. The equipment is ideal for maintenance and repairs of highways and urban roads.



机 架

机架为焊接式结构，水箱与机架为整体结构，液压油箱与燃油箱为独立结构。通道式驾驶台位于机器的中部，控制台布局整齐清晰，按键、显示仪表和操作手柄均方便的布置在驾驶员的视野之内，便于监控整台机器的运行。隔音装置能减少对作业人员的危害且符合环保要求。

FRAME

Based on welded frame construction, the equipment has an integrated water tank, but separate hydraulic oil tank and fuel tank. The passage-like operator station is located in the middle. The uncluttered console is designed to the operator's comfort: all buttons, meters and handles in clear view. An environmental-friendly sound arrestor is used to reduce detriment to workers.

BG2000 路面冷铣刨机系统装置



动力装置

本机的动力为 320kW 的现代化发动机，能满足美国环保当局(EPA)最严格的排放标准及欧 II 排放标准。该发动机配备有全电子马达管理系统，能自动地与不同的施工环境相匹配，即使在极端条件下也能稳定地输出最大扭矩，避免发动机熄火。冷却系统能保证机器在 -20°C~40°C 外部环境温度下安全运转。

DIESEL ENGINE

320KW BENZ(?) diesel engine, in compliance with EPA's strictest emission control regulations and Euro II emission standards. An all electronic engine management system adjusts to changing environmental conditions, ensures stable output of maximum torque and prevents engine stall. The cooling system allows the machine to work in -20°C~40°C.

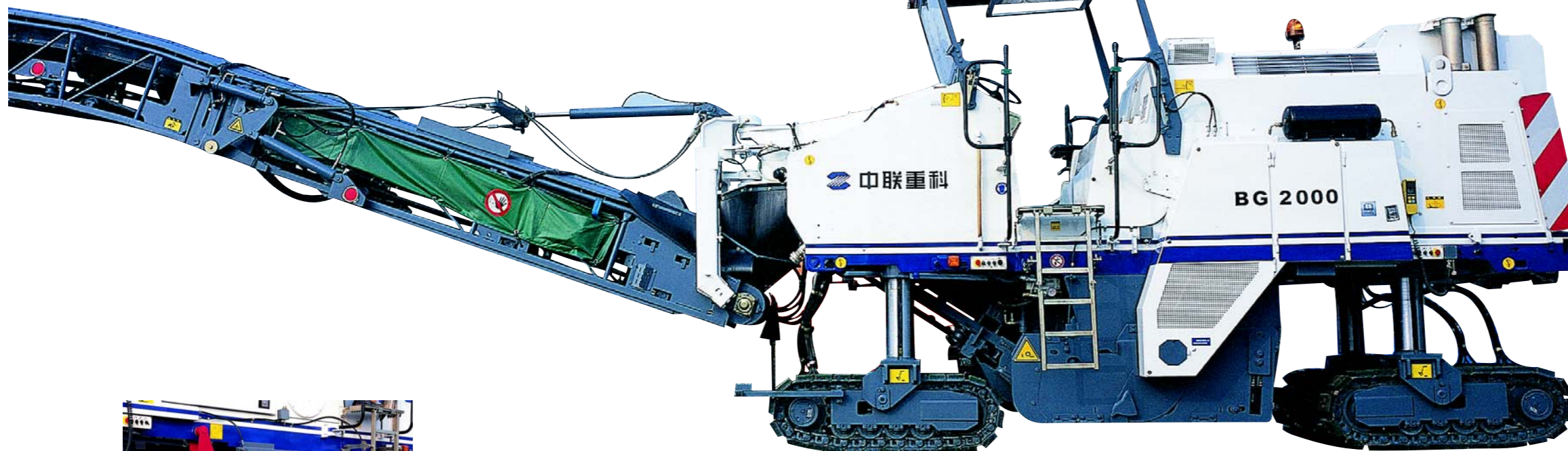


行走转向机构

行走机构为液压马达独立驱动，可实现无级调速和四条履带同步驱动。自动功率分配系统可根据发动机的负荷自动调节行走速度。履带与机架之间采用液压升降的导向柱连接。工作时的聚胺脂履带靴能防止机器损坏路面。液压转向机构可使机器实现前后轮独立或组合转向。使该机器具有转向半径小、转场方便的显著特点。

WALKING AND STEERING

The walking system is powered by full time hydraulic motor, of four track drive and infinitely variable speed. Power distribution system automatically adjusts the walking speed at work-time to the engine load. The suspension on the tracks is controlled by hydraulic cylinders. Polyurethane grousers prevent damage to road surface. Independent or combined front and rear steering provides a small turning radius and ensures convenient displacement.



铣刨物料输送系统

物料输送系统由集料皮带和卸料皮带组成。卸料皮带机可左右摆动 45°，卸料高度可无级调节，具有很强的作业现场适应性。V 型棱皮带即使在最高卸料高度也有较大的输料能力。卸料皮带机为封闭式结构，可防

CONVEYOR SYSTEM

Conveyor system consists of loading belt and discharge belt. The discharge conveyor can swing 45° to either side, and the height can be variably adjusted-even at the highest point, the V-cleated belt still provides ample load capacity. Close structure prevents the fallout of milled material and dust emission in windy weather.



铣刨装置

铣刨鼓通过飞轮液压离合器、皮带传动装置、和减速箱驱动。传动皮带自动张紧装置能保证动力的可靠传递。科学的刀具定位和排列保证铣刨后的路面质量。级配控制梁能防止大块物料的出现。快速更换刀具装置使用户在工地上不具备切割和焊接条件下快速更换刀座。

CUTTER

The cutter drum is driven by flywheel hydraulic clutch, belt transmission and planetary gear box. The tensioning device of the transmission belt ensures steady power transmission. Scientific positioning and arraying of cutter bits guarantees the milling quality. Graded control device prevents the forming of big material blocks. Quick change tooth holder allows easy and fast field replacement with no cutting or welding.

铣刨深度控制系统

该系统通过调节支腿油缸的伸缩达到精确的控制机器的铣刨深度。用户可以根据自己需要选择钢丝绳传感器、超声波传感器、转换式传感器、激光传感器和横波传感器。所有传感器与主机的连接均为标准配置。

CUT DEPTH CONTROL SYSTEM

The system controls accurate depth of cut through adjusting the outrigger cylinders. Users can choose among wire sensor, ultra-sonic sensor, switch sensor, laser sensor and transverse wave sensor. The connection of all sensors to the machine is standard.





洒水冲洗装置

洒水系统能对铣刨鼓、铣刨物料和初级皮带进行喷洒，从而有效地消除灰尘，符合环保要求，并提高了铣刨性能及延长了刀具寿命。压力为 200bar 的冲洗系统可有效地冲洗铣刨鼓上的粘结残留物料。

WATER SYSTEM

Water spray system for dedusting cutter housing, milled material and primary belt meets environmental protection requirements. It also improves planing performance and prolongs cutter bit durability. The 200 bar wash down system effectively removes cohesive hangovers on the cutter drum.

安全特征

所有安全标志均详细明了。在紧急情况下，可在机器上不同位置的 5 个开关中的任何一个完成紧急停车。电控系统的逻辑互锁功能可防止误操作。警报器、工作灯、安全灯及可任意放置带磁性座的照明灯确保机器全天候安全工作。

SAFETY

All safety labels are clearly marked. In an emergency, any of the five switches placed at different parts of the machine can be used for emergency shutdown. Logic interlock function of the electric control system prevents mal-operations. Alarm, working light, safety light and jacklight with magnetic holder ensure the work safety both at day and night.

我们的服务永远超越契约!

Our service is always far beyond what we have promised!

中联重科服务宣言/Declaration of ZOOMLION

售后服务全国联网互动——我们的服务与您近在咫尺。

24小时服务承诺——迅捷回应，第一时间为您排忧解难。

标准化服务流程——让你享受中联重科“五星级”服务。

远程监控技术服务体系——每台产品的工作状况，我们尽在掌握。

Service after sales on internet——Our service is at your side

24 Hours' service——Immediate reply to solve your problem at once

Standard service procedure——ZOOMLION offers you "five stars" service

System of remote monitored system——Take working circumstance of every

machine from ZOOMLION into our consideration

您只需使用我们的产品，其他的，我们来做!

What you have to do is only to make good use of our machine.

Other things will be done by us.

主要技术性能参数			
最大铣刨宽度 mm	2,000	重量 / 载荷	
铣刨深度 mm	0~300	前轴载荷 (箱体充满) kg	16,660
铣刨滚筒		后轴载荷 (箱体充满) kg	11,540
刀具间距 mm	15	自重 kg	24,600
刀具数量	158	最大工作重量 (箱体充满) kg	28,200
铣刨滚筒直径 (带刀具) mm	980	履带装置	
滚筒最大倾角	5°	前履带 mm	1,750x260x595
柴油发动机		后履带 mm	1,750x260x595
制造厂	Daimler Chrysler	箱体容量	
型号	OM 502 LA	燃油箱 l	850
冷却方式	水冷 / 中冷器气冷	液压油箱 l	270
汽缸数量	8	水箱 l	1,600
额定功率 kW	320	电气系统 V	24
发动机转速 min ⁻¹	2,000	皮带输送机装置	
汽缸排量 l	15.9	初级皮带宽度 mm	800
耗油量: 1/1 负载 l/h	79	卸料皮带宽度 mm	800
耗油量: 2/3 负载 l/h	53	皮带机输送能力 m ³ /h	290
速度		装运外型尺寸 / 重量	
工作速度 m/min	0~29.5	主机 长 x 宽 x 高 mm	6,500x2,500x3,035
运行速度 km/h	0~4.5	皮带机 长 x 宽 x 高 mm	8,000x1,250x1,150
理论爬坡能力 %	80	主机重 kg	22,730
离地间隙 mm	240	卸料皮带机重 kg	1,870

Technical Specification			
Milling width max. mm	2,000	Weight	
Milling depth mm	0~300	Front axle load, full tanks, kg	16,660
Milling drum		Rear axle load, full tanks, kg	11,540
Spacing mm	15	Own weight kg	24,600
Number of tools	158	Operating weight, full tanks, kg	28,200
Drum diameter with tools mm	980	Tracks	
Drum inclination max.	5°	Front track (LxWxH) mm	1,750x 260x595
Engine		Rear track (LxWxH) mm	1,750x 260x595
Manufacturer	Daimler Chrysler	Tank capacities	
Type	OM 502 LA	Fuel tank l	850
Cooling	Water/ Air	Hydraulic fluid tank l	270
Number of cylinders	8	Water tank l	1,600
Output kW	320	Electrical system V	24
Engine speed min ⁻¹	2,000	Conveyor system	
Displacement l	15.9	Loading belt width mm	800
Fuel Consumption, 1/1 load, l/h	79	Discharge belt width mm	800
Fuel Consumption, 2/3 load, l/h	53	Conveying capacity m ³ /h	290
Speed/ gradeability		Shipping dimensions/weights	
Travel speed milling gear m/min	0~29.5	Dimensions of machine (LxWxH) mm	6,500x 2,500x 3,035
Travel speed travel gear km/h	0~4.5	Dimensions of discharge conveyor (LxWxH) (mm)	8,000x1,250x1,150
Theoretical gradeability %	80	Weight of machine kg	22,730
Ground clearance mm	240	Weight of discharge conveyor	1,870kg

长沙中联重工科技发展股份有限公司

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