

# XM2005



## XM2005 Cold Milling Machine

XM2005 milling machine is a kind of asphalt concrete pavement maintenance machinery, which is mainly used for large-scale excavation and renovation of asphalt concrete pavements of highways, urban roads, airports, freight yards, parking lots, etc. It can efficiently remove road congestion, waves, mesh patterns, ruts, etc.; excavate the pavement pits and trenches; roughen the cement pavement and mill the surface faulting. The milling machine has high working efficiency, simple construction process, easy control of milling depth, convenient and flexible operation and good maneuverability to directly recycle the materials from milling, and can be widely used in asphalt pavement repair, renovation and maintenance construction.

## Performance and characteristics

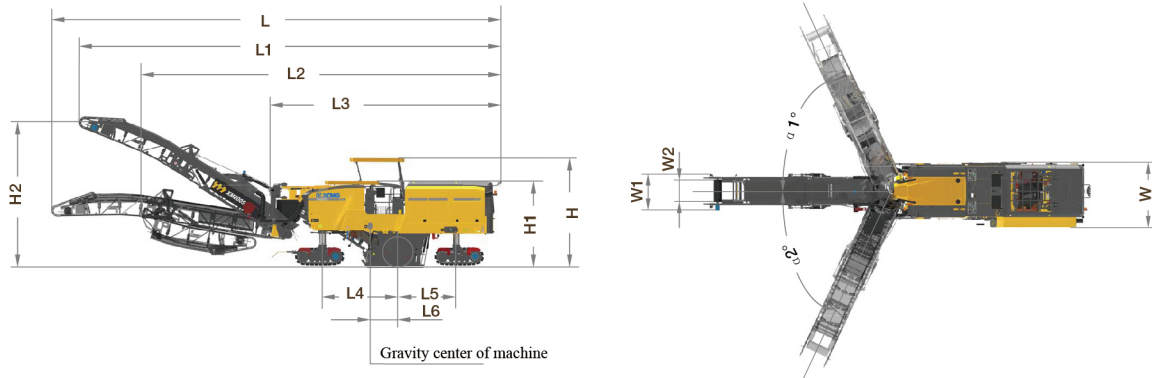
- The conventional product weight is 28.5t, and it will not be overloaded when the sliding device is mounted, so that it is convenient for transportation; meanwhile, 1.4t rear counterweight can be provided additionally, and it only takes about 1h to install and remove the counterweight, which further increases the milling capacity under load and enhances the working efficiency;
- The standard milling drum with a space of 18mm between tools is provided as a standard configuration.
- The fine milling drum with a space of 6X2mm between tools can be provided as an option for fine milling work; the general milling drum with a space of 15mm between tools is provided; the economic milling drum with a space

- of 25mm between tools is provided for deep milling;
- The milling drum has three speeds 131/118/109 which are corresponding to the engine speed of 2100/1900/1750.
- The speed of 131 is used for the shallow milling and roughening (0-8cm), the speed of 118 is used for medium milling (8-15cm) and the speed of 109 is used for deep milling (20-33cm). The milling efficiency will be optimized at different milling depths with the three milling speeds;
- As compared with the counterparts, this core technology independently developed by XCMG has 4 major advantages: 1. Reliable connection; 2. convenient removal; 3. quick tool change and 4. being solid and durable.

## Main dimensions

Unit: mm

Model	L	L1	L2	L3	L4	L5	L6	H	H1	H2	W	W1	W2	a1	a2
XM2005	15773	14825	12597	8106	2650	2050	650	3800	3000	4950	2500	1270	850	65°	65°



## Main specifications

Item	Content	Unit	XM2005	
<b>Milling drum</b>	Milling width	mm	2000	
	Milling depth [1]	mm	0-330	
	Space between tools	mm	18	
	Quantity of tools		146	
	Rotor diameter including tools	mm	1020	
<b>Engine</b>	Manufacturer		Dongfeng Cummins	
	Model		QSZ14	
	Cooling mode		Water-cooling	
	Number of cylinders		6	
	Rated power	kW/rpm	412/2100	
	Displacement		14	
	Full-load fuel consumption	L/h	97	
	Comprehensive fuel consumption	L/h	39	
<b>Electric system</b>	Emission standard		CN Stage 3	
	Voltage	V	24	
<b>Tank volume</b>	Fuel tank	L	1200	
	Water tank	L	3300	
	Hydraulic oil tank	L	150	
<b>Traveling performance</b>	Working speed	m/min	0-100	
	Traveling speed	km/h	0-6	
	Theoretic gradeability	%	60	
	Ground clearance	mm	330	
<b>Tracks</b>	Specification	Front	mm	1720×300×620
		Rear	mm	1720×300×620
<b>Conveying belt</b>	Width of discharging belt	mm	850	
	Width of aggregate belt	mm	850	
	Theoretic conveying capacity	m³/h	375	
<b>Overall weight</b>	Weight in transportation state	kg	28500	
	Weight in work state	kg	30500	

[1] The maximum milling depth may differ from the above values due to wear and error;