

CAT[®] PAVING

ROAD AND CONSTRUCTION MAINTENANCE



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PAVEMENT RESURFACING PLANNING



COLD PLANERS

PM310 / PM312 / PM313/ PM620 / PM622 /
PM820 / PM822 / PM825

Cold planers are road repair machines that mill an existing layer of asphalt or concrete for subsequent disposal or reuse and profile and texture the surface before paving. Cold Planers are becoming more and more popular as they are a key element of the road's lifecycle. The integrated Cat GRADE with Grade and Slope system takes the guesswork out of producing accurate and repeatable cutting results by using automated features.

Whether up in the operator station or on the ground, the operator-friendly controls are intuitive and easy to use. Several types of cutting drums can be installed on for different applications. Cat® System K drums feature a tapered dual-retention toolholder design that eliminates the need for retaining bolts, pins or setscrews, reducing replacement time by up to 50%.

| COLD PLANER MODEL | ENGINE | ENGINE POWER, KW/HP | OPERATING WEIGHT, KG | CUTTING WIDTH/DEPTH, MM |
|-------------------|----------------|---------------------|----------------------|-------------------------|
| PM310 | C9.3 | 246/330 | 21780 | 1000/330 |
| PM312 | C9.3 | 246/330 | 21967 | 1225/330 |
| PM313 | C9.3 | 246/330 | 22071 | 1300/330 |
| PM620 | C18 | 470/630 | 33330 | 2010/330 |
| PM622 | C18 | 470/630 | 33900 | 2235/330 |
| PM820 | C18 twin-turbo | 570.5/765 | 36130 | 2010/330 |
| PM822 | C18 twin-turbo | 570.5/765 | 36700 | 2235/330 |
| PM825 | C18 twin-turbo | 570.5/765 | 37500 | 2505/330 |

SOIL STABILIZATION AND ASPHALT RECLAMATION



RECLAIMERS / STABILIZERS

RM400 / RM500B

Cat® reclaimers/stabilizers can be used for soil stabilization or for asphalt reclamation applications. Soil stabilization is the process of mechanically or chemically improving the load-bearing characteristics of the soil. When performed with the correct additives, stabilization can greatly increase the integrity of the subgrade and provide a material that will have greater support capabilities and moisture resistance. Reclamation is used when structural damages affect the deeper road base and surface milling is not an option anymore.

Full-Depth Reclamation pulverizes the existing road structure in place to provide raw materials for rebuilding the road, without time and expense of removing and replacing it. During both soil stabilization and asphalt reclamation, water and additives are used to improve the chemical and mechanical properties of the material.

| RECLAIMER/STABILIZER MODEL | ENGINE | ENGINE POWER, KW/HP | OPERATING WEIGHT, KG | ROTATOR WIDTH/ CUT DEPTH, MM |
|----------------------------|--------|---------------------|----------------------|------------------------------|
| RM400 | C3.9B | 310/415.7 | 26700 | 2438/508* |
| RM500B | C15 | 403/540 | 27970 | 2438/508* |

*Maximum cut depth is determined by rotor selection

ASPHALT PAVING



ASPHALT PAVERS

AP355 / AP300

Cat® compact asphalt pavers are perfect for paving sidewalks, cycling and forest park paths, and for road repair and maintenance where manoeuvrability is required. Compact asphalt pavers can be equipped with smoothing plates both with a tamping beam and without it. The paving width range varies from 1.75 meters to 4.6 meters (with mechanical wideners).

| ASPHALT PAVER MODEL | ENGINE | ENGINE POWER, KW/HP | OPERATING WEIGHT, KG | MAXIMUM PAVING WIDTH, M |
|---------------------|--------|---------------------|----------------------|-------------------------|
| AP355 | C3.9B | 310/415.7 | 26700 | 2438/508* |
| AP300 | C15 | 403/540 | 27970 | 2438/508* |



ASPHALT PAVERS

AP555 / AP500 / AP655 / AP600 / AP1055

Cat® asphalt pavers of medium and heavy class have a paving width of 2.5 to 10 meters. They are perfect for the construction of motorways, urban roads, and car parks. These asphalt pavers are equipped with Cat power train, have a heating system for the smoothing plate with an integrated generator, which reduces the plate heating time to 15 minutes. The machines are also equipped with LCD displays with touch control and an integrated levelling system.

| ASPHALT PAVER MODEL | ENGINE | ENGINE POWER, KW/HP | OPERATING WEIGHT WITH SE50 VT PLATE, KG | OPERATING WEIGHT WITH SE60 VT XW PLATE, KG | MAXIMUM PAVING WIDTH WITH SE50 VT PLATE, M | MAXIMUM PAVING WIDTH WITH SE60 VT XW PLATE, M |
|---------------------|--------|---------------------|---|--|--|---|
| AP555 | C4.4 | 106/144 | 17290 | | 7.5 | |
| AP500 | C4.4 | 106/144 | 16651 | | 6.5 | |
| AP655 | C7.1 | 151/205 | 19383 | 20533 | 8.0 | 10.0 |
| AP600 | C7.1 | 151/205 | 17185 | | 8.0 | |
| AP1055 | C7.1 | 186/249 | | 21815 | | 10.0 |

PAVEMENT RESURFACING



| COLD RECOVERY | ASPHALT PAVING | ASPHALT COMPACTION |
|---------------|----------------|---------------------|
| Cold Planers | Asphalt Pavers | Asphalt Compactors |
| | | Rubber Tire Rollers |

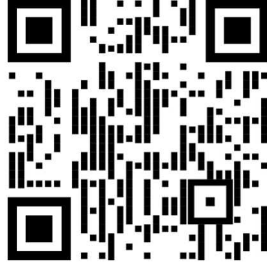
| COLD RECOVERY | MATERIAL COMPACTION | GRADING | MATERIAL COMPACTION | ASPHALT PAVING | ASPHALT COMPACTION |
|---------------|--|---------------|--|----------------|---------------------|
| Rotary Mixers | Smooth Drum Vibrancy Soil Compactors | Motor Graders | Smooth Drum Vibrancy Soil Compactors | Asphalt Pavers | Asphalt Compactors |
| | Padfoot Drum Soil Compactors | | Padfoot Drum Soil Compactors | | Rubber Tire Rollers |

CATERPILLAR IN AFRICA AND THE MIDDLE EAST

OVERVIEW



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