

## One Man On-Site Core Drilling Machine



### CRT-SCM

***The Cooper One Man On-Site Core Drilling Machine is your solution to core drill 60 holes within 2 hours with only one man operation***

The Cooper One Man On-Site Core Drilling Machine CRT-SCM is self contained and provides a rigid and stable drill platform for all types of coring in a wide variety of asphalt & concrete surfaces for medium duty. To carry out any form of testing requires straight & clean sided core samples. Vibration of a diamond core drill during the coring process will result in a badly finished core that will need to be 'dressed' before any meaningful testing can be carried out. In addition, vibration of a core drill will also quickly damage the diamond cutting face by erosion of the individual diamonds resulting in rapid wear rates. Coring should always be carried out using a rigid, stable & vibration free operating platform to ensure the integrity of core samples. The manually operated drill feed control provides for a rapid but safe drill penetration with minimum core bit wear rate.

### Key Features

- Petrol engine 5.0KW
- Drill diameters up to 200 mm
- Drill depths up to 450 mm
- Hand fed drill feed allows for safe coring even through steel reinforcement bars
- Wide variety of drill motor options
- Fits into a small commercial van or medium size estate car
- Water capacity 25 litres
- Platform is operator stabilized
- Power take-off facility for driving a hydraulic road breaker or hydraulic tamper
- Conforms to AASHTO T 24

### Key Uses

- Medium code drilling in both asphalt and concrete surfaces. Ideal for taking occasional test samples in road surfaces or air field runways
- One man operation keeps costs to a minimum

### Accessories

Accessories are not included in the price of main device (unless stated otherwise) and may be purchased separately if required.

CRT-DRIL-611 Extension bar 100mm<sup>1</sup>

CRT-DRIL-612 Extension bar 200mm<sup>1</sup>

CRT-DRIL-613 Extension bar 300mm<sup>1</sup>

- CRT-DRIL-997 Selection of 5 'asphalt' coring barrels 107mm to 162mm diameter<sup>1</sup>
- CRT-DRIL-642 10 Metre hydraulic extension hose kit c/w snap couplings Steel
- CRT-DRIL-643 15 Metre hydraulic extension hose kit c/w snap couplings Steel
- CRT-DRIL-662 10 Metre water extension hose c/w snap couplings
- CRT-DRIL-663 15 Metre water extension hose c/w snap couplings

### Specifications

Technical specifications are subject to change without notice.

|                                   |  |
|-----------------------------------|--|
| Prime mover(s)                    | Honda 5.0kW Petrol engine                      |
| Electric Start                    | Yes  |
| Charging System                   | On board engine charging                       |
| Water pump                        | 12 V DC driven on-board switched pump          |
| Water tank                        | 25 litres capacity                             |
| Hydraulic reservoir               | 6 litres capacity                              |
| Hydraulic outputs                 | 20 litres /min @ 100 bar                       |
| Hydraulic Filtration              | Return line filter 25 micron                   |
| Drill Motors                      | 4 displacements of single speed motors         |
| Speed ranges from 600 to 2400 rpm | Not required                                   |
| Drill Capacity                    | 200 mm standard                                |
| Drill Depth                       | 600 mm maximum                                 |
| Drill Speed                       | Infinitely variable control valve at the motor |
| Wheels                            | Solid rubber                                   |
| Dimension mm (W x D x H)          | 1400 x 3600 x 1250                             |
| Weight (approx.) Kg               | 78   |

### Maintenance

Annual Service and Maintenance Contracts are available for this device.  
Please enquire for further details. Note: This device should be checked and calibrated annually.

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