



## Core and Beam Saws

### CRT-SAW200

*Easy-to-use, fast and accurate sawing systems. Best in class for safety features*

Cooper Research Technology has developed easy-to-use sawing systems for fast, accurate cutting of beams for asphalt prisms (prepared in Cooper Research Technology's Roller Compactors – small and large models) to be used for Four Point Bending Beam Testing in CRT-SA4PT-BB and CRT-LH4PT-BB, for Two Point Bending Beam testing in CRT-2PT, and cutting & dressing round cores and large & small wheel tracked slabs.

### Key Features

- Suitable for natural and artificial slabs, asphalt, concrete, tile, marble, granite
- Four point beam testing jigs supplied as standard
- Variable speed and electromotive feed available as an optional extra
- CE marked

### Key Uses

- Cutting of prisms to be used in Four Point Beam Bending testing according to EN12697-24/26 and AASHTO T321
- Cutting of trapezoidal specimens to be used in Two Point Beam Bending testing according to EN12697-24/26
- Cutting and dressing of round cores up to 200mm depending on model
- Cutting and dressing of wheel tracking slabs

### Ordering information

**CRT-SAW-200-M** Manual Asphalt and Concrete Universal Heavy Duty Saw. Cutting cores 100,150 and 200 mm diameter, slabs up to 750mm long. Blade 600 mm and cutting jigs to be ordered separately. 415V 50Hz 3ph.

**CRT-SAW-200-M-60** Manual Asphalt and Concrete Universal Heavy Duty Saw. Cutting cores 100,150 and 200 mm diameter, slabs up to 750mm long. Blade 600 mm and cutting jigs to be ordered separately. 220V 60Hz 3ph.

**CRT-SAW-200-A** Auto Asphalt and Concrete Universal Heavy Duty Saw. Cutting support with electromotive feed: 30-290 mm/min. Variable blade speed: 0-2000RPM. Cutting cores: 100,150 and 200 mm diameter, slabs: up to 750mm long. Blade 600 mm and cutting jigs to be ordered separately. 415V 50Hz 3ph.

**CRT-SAW-200-A-60** Auto Asphalt and Concrete Universal Heavy Duty Saw. Cutting support with electromotive feed: 30-290 mm/min. Variable blade speed: 0-2000RPM. Cutting cores: 100,150 and 200 mm diameter, slabs: up to 750mm long. Blade 600 mm and cutting jigs to be ordered separately. 220V 60Hz 3ph.

**CRT-SAW-200-A-C** Auto Asphalt and Concrete Universal Heavy Duty Saw. Cutting support with electromotive feed: 30-290 mm/min. Variable blade speed: 0-2000RPM. Cutting cores: 100,150 and 200 mm diameter, slabs: up to 750mm long. Including a safety cage with blade interlock. Blade 600 mm and cutting jigs to be ordered separately. 415V 50Hz 3ph.

**CRT-SAW-200-A-C-60** Auto Asphalt and Concrete Universal Heavy Duty Saw. Cutting support with electromotive feed: 30-290 mm/min. Variable blade speed: 0-2000RPM. Cutting cores: 100,150 and 200 mm diameter, slabs: up to 750mm long. Including a safety cage with blade interlock. Blade 600 mm and cutting jigs to be ordered separately. 220V 60Hz 3ph.

### Accessories

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

**CRT-SAW-PROT** Splash protection for Asphalt and Concrete Universal Heavy Duty Saw

**CRT-SAW200-CJRC** Clamp Jig for round cores 100&150mm Asphalt and Concrete Universal Heavy Duty Saw

**CRT-SAW200-SLAB** Clamp jig for cutting beams Asphalt and Concrete Universal Heavy Duty Saw

**CRT-SAW200-SCB** Clamp jig for SCB specimens & irregular pieces Asphalt and Concrete Universal Heavy Duty Saw

**CRT-SAW-CJ2PT-MAN** Clamp jig for cutting 2PT specimens Asphalt and Concrete Universal Heavy Duty Saw

**CRT-SAW-BL600** Blade 600mm Standard

**CRT-SAW-BL600-CON** Blade 600mm for concrete cutting

### Specifications

Technical specifications are subject to change without notice.

Model	CRT-SAW200
Diamond disk mm	250-600
Depth of cut	200mm max with 600mm blade fitted as standard
Cutting length mm	750
Water cooled cutting	✓
Four Point Bending Beams	✓
Trapezoidal specimens **	✓
Wheel tracker slabs 305x305mm, 260x305mm and 500x180mm	✓
Cores up to mm	200
Speed rpm	1400
Electrical supply*	415 Volts 50Hz 3 Phase or 220VAC 60Hz 3 phase @ 50Amps + Earth
Power kW	5.6
Water Supply	Cooling water is recirculated from a built-in holding tank (approximately 80L capacity)
Dimensions (W x D x H) mm (Without Safety Enclosure)	1320 x 700 x 1800
Dimensions (W x D x H) mm (With Safety Enclosure)	2100 x 1300 x 2000
Estimated weight Kg (Without Safety Enclosure)	175
Estimated weight Kg (With Safety Enclosure)	290

\* variable options available upon request.

\*\* Requires 9 bar compressed air. Not retrofittable.

### Maintenance

Annual Service and Maintenance Contracts are available for this device.

Please enquire for further details. Note: This device should be checked annually.

### Product Gallery:



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