

## Smart Boyd Crusher RSD Combo

Smart BOYD-RSD | with advanced PLC programming.



### The main features.

- Jaws hold 5kg of sample as one load
- Jaws can be rotated top to bottom for longer life
- Quick jaw adjustment with horizontal steel rollers
- Safety switch stops operation on cover opening
- Automatic split adjustment from sample weight
- Touch screen operation

### The process.

The Smart Boyd Crusher RSD Combo has all of the unique features of the Boyd RSD combo but includes some automation to provide a pre-selected weight. The sample is weighed on a platform balance (top image) and the weight is communicated to the PLC, the split is then adjusted automatically from the RSD.

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### Specifications

	Boyd Crusher	Rotating Sample Divider (RSD)
Motor power	5.5kW, 3 phase	0.18kW, 3 phase
Maximum input lump size	50mm	10mm
Product size	-2mm (+80%)	NA
Width x Height x Depth	694 x 1440 x 1070mm	500 x 739 x 741mm
Weight	610kg	95kg
Jaw width	300mm	NA
Dust extraction	2 extraction ports available	1 extraction port available
Options	Raiser Platform, Sample Lifting Arm	Sample bins: Option 1 – Single split + Remainder Option 2 – Duplicate Split + Remainder *Bypass bin available for Option 2
Warranty	Rocklabs Smart Boyd-RSD Combo is sold with a 2000 operating hours or one year warranty (whichever comes first), covering all parts (excluding wear parts) and labour if used under normal laboratory conditions.	
Patents	AUS 642557, NZ 236263, USA 5,603,555, CAN 2,056,603, GER P4139093.8-23	

### Wear Plates

High Chrome Iron	The wear plates are very resistant to abrasion. In many laboratories one set of plates will last for more than 1 year. Jaws can be turned top to bottom to extend the life
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### Dividing

Method	Standard deviation of samples %
Cone and quartering	6.810
Scoop sampling	5.140
Riffle splitting	1.010
Table sampling	2.090
<b>Rotating splitting</b>	<b>0.125</b>
Random variation	0.076

### Shipping Dimensions

Boyd-RSD combo	
Width	920mm
Height	1540mm
Depth	1940mm
Weight	840kg

Control Cabinet	
Width	1180mm
Height	1590mm
Depth	1020mm
Weight	215kg

\*For more information please contact us on the details below or visit the website for a list of international agents.