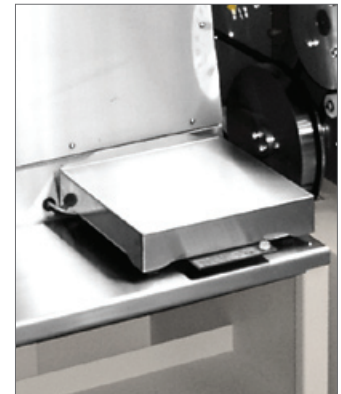


## Smart Boyd Crusher RSD Combo

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:<br>Option 1 – Single split + Remainder<br>Option 2 – Duplicate Split + Remainder<br>*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 |
|------------------|--|

### 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.

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