



**Mater Laboratory Debearder (Batch or Continuous)**

The Mater Laboratory Debearder is ideal for research with difficult seeds and requirements for rapid cleaning of many samples. Seeds come with a variety of awns, beards, glumes and other appendages that make them difficult to handle in processing. The Mater Laboratory Debearder, offered by Seedbuero, is customized to fit the appendages to be removed. This unit is user configurable by allowing you to choose interchangeable impellers and drums for your types of seeds. In addition to a selection of drums and impellers, the user can purchase this unit to do single batches or with a vibratory feeder for continuous operation, which works well with free flowing seed. The basic debearder is supplied less the drum and impeller or brush assembly. Select those items that best suit your requirements or contact us for recommendations.

**Batch Debearder:** Ship wt: 132 lbs, Ship dims: 41" (L) x 18" (W) x 18" (H).

**Continuous Debearder:** Ship wt: 149 lbs, Ship dims: 42" (L) x 18" (W) x 18" (H).

**Typical Applications Include**

- Remove appendages and hulls or break-up multiple florets.

- Prepare seeds to freely flow through automated planting equipment.
- Separate seeds from seed heads or extract seeds from fibrous matrix.

- Add an abrasive liner to scarify seeds for optimum germination.

Batch Debearder, 115V/60Hz..... <i>With DB0100 End Plate, No Discharge Port</i>	No. DB3001-800
Batch Debearder, 230V/50Hz..... <i>With DB0100 End Plate, No Discharge Ports</i>	No. DB3002-800
Continuous Debearder, 115V/60Hz..... <i>With DB0160 End Plate with Adjustable Discharge Ports, Vibratory Feeder and Feeder Controller (As Shown in Photo)</i>	No. DB3101-800
Continuous Debearder, 230V/50Hz..... <i>With DB0160 End Plate, Adjustable Discharge Ports, Vibratory Feeder and Feeder Controller</i>	No. DB3102-800
Domestic and ISPM 15 Export Crate for Batch or Continuous Debearder and Up to 3 Drums.....	No. DB9903

**Drums**

Drum Assembly, Perforated, 1.5mm Holes, Plated.....	No. DB0500-1.5
Drum Assembly, Perforated, 2mm Holes, Plated .....	No. DB0500-2
Drum Assembly, Perforated, 2.5mm Holes, Plated.....	No. DB0500-2.5
Drum Assembly, Perforated, 3mm Holes, Plated .....	No. DB0500-3
Drum Assembly, Perforated, 4mm Holes, Plated .....	No. DB0500-4
Rubber Wrap for Perforated Drum Assemblies .....	No. DB0570
Drum Assembly, Unperforated, Plated.....	No. DB0600
Drum Assembly, Unperforated, 1.5mm Ribs, Plated .....	No. DB0650
Drum Assembly, Unperforated..... <i>With Removable Stationary Tines, Plated</i>	No. DB0680

**Agitators and Brushes**

Brush Holder Assembly .....	No. DB0201
Brush Strip Pair, Extra Fine 0.4mm Nylon Bristles .....	No. DB0260
Brush Strip Pair, Fine 0.5mm Nylon Bristles.....	No. DB0265
Brush Strip Pair, Fine 0.5mm Crimped Nylon Bristles.....	No. DB0266
Brush Strip Pair, Medium 0.6mm Nylon Bristles.....	No. DB0270
Brush Strip Pair, Coarse 1.0mm Polypropylene Bristles .....	No. DB0275
Impeller Agitator Assembly with Fixed Tines .....	No. DB0400
Paddle Assembly with Wipers.....	No. DB0700
Replacement Paddle Wiper, Pair, Urethane.....	No. DB0730

*(Other Impeller and Drum Kits available – Call for quote or assistance)*

**End Plates**

End Plate Assembly Plated with Shaft Bushing, No Exit Ports; Supplied with Batch Debearder .....	No. DB0100
End Plate Assembly with Discharge Ports and Adjustable Port Covers; Supplied with Continuous Debearder.....	No. DB0160
End Plate Assembly with Shaft Bushing and 1.5" Diameter Discharge Tube for Customer Aspirator .....	No. DB0165



**Accessories**

Setting fixture, shown in photo with brush holder assembly and brushes, quickly configures clearance of brushes or paddles with separate positions for different diameter drums comes with Spacer Set: 1.0, 1.5, 2.0, 2.5, and 3.0mm clearances.

Setting Fixture for Brushes and Paddles.....	No. DB0900
Large Spacer Set: 3.5, 4.0, 4.5 and 5.0mm Clearances .....	No. DB0905