

TECHNICAL SPECIFICATIONS OF FEED GRINDER

The specifications of the laboratory cyclone mill are as follows.

Sl. No.	Parameter	Requirement
1.	Essential features	A FEED GRINDER which can grind various types of feed samples (Straw, Stover, Fodder, Concentrates, grains, brans, oil cakes, pelleted feeds, crumbles etc.) before chemical analysis (Proximate, VanSoest, Minerals, In vitro evaluation, NIR analysis). The ground samples should have high requirements for fineness and uniformity of particle size. While grinding the samples should not get heated up for preserving the moisture content of air dried feeds. There should not be cross contamination of samples for easy clean up. It should be able to grind all types of feed samples having moisture up to 15 % and fat up to 10%.
2.	Size reduction principle	Impact, friction or impeller, abrasive ring and screen
3.	Material feed size	≤ 10 mm
4.	Final fineness	<250 μm
5.	Batch size/feed quantity	Minimum 200 ml or more
6.	Speed setting	Preferably variable speed with speed setting 10000/12000/14000 rpm
7.	Grinding Speed	Minimum 4g/s
8.	Sieve Size	1 mm; with optional sieves: 0.5 mm and 2.0 mm
9.	Drive Power	600W OR more
10.	Standards	CE or equivalent
11.	Input power supply	220-240V AC, 50-60 Hz
12.	Warranty	One year
13.	Accessories	1. One set of cyclone separators 2. Sample collection bottle: 50 numbers